

## **Abstract**

For farmers, particularly crops farmers, 1996 was a very good year, as reflected in farm sector income accounts. Farm sector income accounts for 1996 show that net value added by the agricultural production sector increased 25 percent (\$19 billion) from net value added in 1995. Final agricultural sector output, the value of the sector's output of commodities and services before expenses, rose \$22.5 billion in 1996, powered by a \$16.9-billion jump in the value of crop production. Higher output, generally favorable prices, and a modest 3-percent rise in intermediate consumption outlays boosted net value added. The value of final crop output rose because yields were high under favorable production conditions and prices were exceptionally favorable in the first half of the year and remained strong right through harvest. Final livestock output also contributed, with a gain in production value of over \$4 billion between 1995 and 1996. These are some of the highlights of this report, which provides data and commentary on the income and finances of the farm sector at the national and State level, and estimates of production costs for major field crops, livestock, and dairy.

**Keywords:** Net value added, net farm income, net cash income, production expenses, cash receipts, government payments, farm assets, farm debt, equity, costs of production, enterprise costs and returns.

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## Preface

*Farm Business Economics Report, 1996* is the third edition of farm business statistics and economic analysis published in this format. Prior to 1994, these data were found as tables in three separate documents within the *Economic Indicators of the Farm Sector* series: (1) National Financial Summary, (2) State Financial Summary, and (3) Costs of Production--Major Field Crops, & Livestock and Dairy. Part I of this publication covers national- and State-level farm income and financial balance sheet estimates that were previously included in the separate financial summaries. Part II provides the cost of production estimates for major crops and livestock. The purpose of the *Farm Business Economics Report, 1996* is to provide our readers with analyses, graphical presentations, and a comprehensive set of tables to assist them in understanding the economic developments in the farm sector during 1996.

The Economic Research Service now disseminates farm business economics information via the Internet through its website. The Farm Business Economics “Briefing Room” ([www.econ.ag.gov/briefing/fbe](http://www.econ.ag.gov/briefing/fbe)) is designed to provide Internet users an opportunity to browse an extensive collection of data and analyses addressing the economic conditions in the U.S. farm sector. Users can download the farm income, farm balance sheet, and financial ratio indicators, and costs and returns for major crops and livestock tables printed in this report from our Internet site. In addition, users will find a voluminous historical database extending many of the data series for national and State accounts back many decades and will also find component accounts that are not published. Farm income and cost of production estimates for the previous year are completed and made available on the ERS website in October. Farm balance sheet and financial ratios data become available by late December or early January.

Given our expanding capacity to provide farm business economics information on a timely basis and in convenient formats via the Internet, the Farm Business Economics “Briefing Room” will replace the printed *Farm Business Economics Report* as the means of publishing farm income data and analyses beginning with the 1997 estimates. Since the materials in the Farm Business Economics “Briefing Room” are updated throughout the year, the user will benefit from bookmarking the site and browsing frequently for new and updated items.

*Farm Business Economics Report, 1996* will be the last printed version of this report. As in previous years, the first publication of farm sector value-added and income estimates for the last calendar year, at the national level, will continue to be released in the September edition of *Agricultural Income and Finance: Situation and Outlook Report*. The estimates for 1997 were featured in the September 1998 *Agricultural Income and Finance*. The Resource Economics Division’s *Agricultural Resources and Environmental Indicators* publication also will include various aspects of farm business economics in its forthcoming editions.

This publication was prepared jointly by the Farm Structure and Performance Branch's Farm Income Team and Costs of Production Team. The Farm Structure and Performance Branch is a part of the Resource Economics Division, one of three divisions within the Economic Research Service dedicated to providing the public with timely analysis and information on the economics of the agricultural and rural sectors.

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### *Appendix I: Cash Receipts for Commodities by State*

Appendix table      Cash receipts by commodity groups and selected commodities,  
United States and States, 1992-96

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### Farm Income Up in 1996

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For farmers, particularly crop farmers, 1996 was a very good year, as reflected in farm sector income accounts. Farm sector income accounts for 1996 show that net value added by the agricultural production sector increased 25 percent (\$19 billion) from net value added in 1995. This report provides data and commentary on the income and finances of the farm sector at the national and State level, and estimates of production costs for major field crops, livestock, and dairy.

Final agricultural sector output, the value of the sector's output of commodities and services before expenses, rose \$22.5 billion in 1996, powered by a \$16.9-billion jump in the value of crop production. Higher output, generally favorable prices, and a modest 3-percent rise in intermediate consumption outlays boosted net value added. The value of final crop output rose because yields were high under favorable production conditions and because prices were exceptionally favorable in the first half of the year and remained strong right through harvest. Final livestock output also contributed, with a gain in production value of over \$4 billion between 1995 and 1996.

Operators bear most of the risks of production and marketing and reap both the losses and gains in income from unanticipated short-term changes in production and market conditions. That 1996 was a banner year for operators is reflected in the 46-percent gain in net farm income to a record \$52 billion. Weather conditions were nearly ideal in most regions of the country, leading to record yields for many crops. International demand for U.S. animal and crop products was strong, generating a high level of exports, which in turn provided support to prices received by farmers.

The total value of 1996 crop sales was up 17 percent. In volume, feed crops were the predominant contributors, but sales of food grains rose 11 percent and oil crop sales were up 15 percent, as low international stocks drove soybean prices higher just as U.S. production soared. In 1996, \$4 billion worth of crop production went to rebuild inventories depleted by a comparable amount at the end of 1995. In meat animals, rising hog prices were offset by declining beef prices. However, sales of poultry and dairy products soared.

Production expenses in 1996 were up \$7 billion from 1995. Major areas of increased expenses were feed, seed, pesticides, and rent. Net cash income, which reflects only cash sales and expenses for the accounting year, was up by \$8.7 billion. As a cash income indicator, net cash income does not reflect the \$4-billion addition to inventories for later disposition.

Direct government payments in 1996 were up a meager \$32 million (0.4 percent) from those of 1995, when payments were the lowest since 1982. Beginning in 1996, farm programs changed markedly with implementation of the 1996 Farm Act. Because production flexibility contracts are not related to market prices, government payments were made at the same time market prices were high.

### Farm Sector Financial Conditions Remain Strong

Farm sector financial conditions remained strong in 1996. The debt-asset ratio for U.S. farmers as a group was 15.1, indicating that the value of assets was seven times higher than the value of outstanding debt.

The value of farmers' equity has risen consistently in recent years, having soared 55 percent since 1986. Equity was up 24 percent between 1990 and 1996, and rose over 5 percent in 1996. The value of assets reached another milestone in 1996: For the first time they exceeded \$1 trillion. Various measures of the farm debt burden indicate that it is rising, which is always a matter of concern, but it is not threatening to the sector's financial condition. Assets, debt, and equity have risen 5 percent, 3.4 percent, and 5.3 percent since 1995, and 22 percent, 4.6 percent, and 24 percent since 1991. For the decade of 1986-96, assets and equity rose 43 percent and 55 percent, respectively, while debt declined slightly (-0.5 percent).

### Grain Crop Returns Higher in 1996, Acreage Smaller

Costs and returns estimates show that higher 1996 prices led to higher returns for corn, wheat, and rice, despite lower yields and higher expenses. Average barley returns above cash costs in 1996 were nearly double those of 1994. However, a decline in the value of soybean production, along with higher costs,

caused returns above total economic costs to fall about \$2-\$4 per acre between 1994 and 1996. Peanut and cotton returns were also down for 1996. Acreage planted to major crops tended to fall between 1994 and 1996, with the exception of durum wheat, soybeans, and cotton. Total U.S. planted acreage declined 1.7 percent. In response to favorable prices, cotton acreage has dramatically increased in the Southeast in recent years.

Crop prices received by farmers in 1996 were up an average of 6.7 percent from those of 1995, but average livestock prices were down 3.2 percent. Returns to market hogs increased due to more favorable prices. However, feeder pig prices did not follow the upturn in market hog prices, and returns to feeder pig production were down. As beef production increased and more beef moved through the market, cattle prices declined. Consequently, returns above total economic costs for beef producers declined in 1996.

**Part I**  
**Farm Income and**  
**Farm Financial Balance Sheet**



## Net Value Added and Net Farm Income Attain New Highs in 1996

Roger Strickland and Chris McGath

**Net value added** and **net farm income** reached record levels in 1996, rising substantially from 1995 (table 1-1, table 1-2, and fig. 1-1). **Net value added** for 1996 was \$19.1 billion more than in 1995, up 25 percent, and \$9.5 billion greater than its previous high in 1994. Because net value added represents the total value of the farm sector's output of goods and services, less payments to other (nonfarm) sectors of the economy, it reflects production agriculture's addition to national output.<sup>1</sup> It also represents the sum of the economic returns to all the providers of factors of agricultural production: farm employees, lenders, landlords, and farm operators (fig. 1-2).

The \$22.6-billion rise in final agricultural sector output far exceeded the \$3.4 billion in out-of-pocket costs represented by intermediate consumption outlays, resulting in \$19.1 billion more to be distributed among the providers of resources to the farm sector. As a consequence, hired workers received 6.1 percent more than in 1995 and lenders received an increase of 3.9 percent for their contributions to 1996 farm production. The earnings of nonoperator landlords were up 19.3 percent, reflecting several factors. Holders of share-rent contracts benefited from the additional \$17 billion in crop production. Indications are that the implementation of the Federal Agriculture Improvement and Reform Act of 1996 has resulted in two significant trends in rental arrangements. First, landlords are renegotiating contract terms and raising rents to reflect the value of the government's payments and the certainty of the multiyear schedule of payments. Second, landlords are substituting cash leases for crop-share leases, obtaining higher rents and lessening the risk sharing.

**Net farm income**, which jumped \$15.4 billion from 1995 to 1996, is that portion of net value added earned by farm operators (defined as those individuals and entities who share in the risks of production). In fact, the major share of the 1996 increment to net value

added accrued to farm operators. Typically, it is the farm operators who benefit most from the increases and absorb most of the declines arising from short-term, unanticipated weather and market conditions. However, due to the rise in earnings of farm employ-

### About the Value-Added Format

The *value added format* is now used to present the agricultural sector income accounts for the United States, replacing the traditional net farm income format. The underlying accounting concepts remain the same under the new format and **the value for net farm income is identical**.

The presence of more disaggregated components under the value added format makes it much easier to discern what forces are driving the changes and trends in farm income. Changes in commodity production are the cause of most of the volatility in the income accounts, and much more detail is available to the reader in the value added format. For example, the critical impact of the value of feed grain production on the gyrations in net farm income is clearly observable in the value added format but not the previous presentation format. Likewise, the additional contributions in 1996 of soybeans, poultry, and dairy are clearly evident.

Perhaps most importantly, the value added approach to sector accounting has the advantage of being the format accepted and used internationally, thereby enabling comparisons across countries. Cross-country comparisons became more important with the sweeping changes in Federal agricultural commodity programs enacted under the Federal Agriculture Improvement and Reform Farm Act is the elimination of government controls on production as a requirement for Federal support payments to farmers. Producer planting decisions will now be based on incentives from the marketplace, which is truly global in scope.

For those who may wish to verify or otherwise have a better understanding of the relationship between the new and old presentation formats, two tables providing a map of how to do a crosswalk between the two formats are available in the national farm income section of the ERS Website ([www.econ.ag.gov](http://www.econ.ag.gov)) or by requesting a copy from the Farm Income Accounts Team Leader (E-mail: [rogers@econ.ag.gov](mailto:rogers@econ.ag.gov))

<sup>1</sup>ERS value-added estimates are used by the Bureau of Economic Analysis, U.S. Department of Commerce, for the National Income and Product Accounts (see p. 32, *Agricultural Income and Finance*, AIS-58, September 1995) and by the Organization for Economic Cooperation and Development in its international agricultural accounts.

ees, lenders, and landlords, net farm income rose less in 1996 than the increase in overall net value added (table 1-1, fig. 1-2).

**Net cash income** rose \$8.8 billion, or 17.1 percent, from 1995 to 1996 (table 1-2). Net cash income reflects the cash earnings generated by the farm business that are available for debt servicing, capital purchases, and distribution to farm households to cover family living expenses. Net cash income, unlike net farm income, does not include the value of home consumption, changes in inventories, capital replacement, and implicit rent and expenses related to the farm operator's dwelling, which do not reflect cash transactions during the current year. Consequently, net cash income is more appropriate as an indicator of solvency than a measure of the value of the sector's output, which is viewed more accurately using either net value added (for the sector) or net farm income (for operators). Net cash income exhibits less volatility than net farm income, as producers try to manage their cash flow to meet multiple objectives: paying debt and family expenses, smoothing year-to-year income fluctuations to minimize income tax liabilities, and maximizing income by postponing sales in anticipation of higher prices or accelerating sales in anticipation of lower prices.

### **Agricultural Sector Output 11 Percent Higher in 1996**

Final agricultural sector output, the value of the agricultural sector's output of commodities and services before expenses, rose \$22.6 billion in 1996 to \$226.2 billion (table 1-1). Higher output, reduced by an increase in intermediate consumption outlays of \$3.4 billion, accounts for most of the \$19.1-billion jump in **net value added**. The value of final 1996 crop output soared \$17 billion, reflecting rebounds in acreage and yields for major crops, both of which had declined in 1995 following 1994's record harvest (fig. 1-3). Crop prices were much higher in the first half of 1996 relative to the same period in the prior year and tended to remain stable in the latter half of the year, despite the rebound in production (figs. 1-7, 1-8, 1-9, 1-10). With the large harvest, farmers added \$4 billion of harvested crops to end-of-year inventories for later sale. Inclusion of the inventory change enables a full accounting of a current year's production in the tabulation of the calendar year's farm sector output (table 1-1, figs. 1-1 and 1-2).

At nearly \$92 billion, the total value of livestock production in 1996 was \$4.3 billion higher than in 1995, and the first increase in 3 years (fig. 1-3). Substantial increases in the sales of hogs, poultry, and dairy products more than offset a \$4-billion decline in cattle production. Market prices available to farmers for hogs, poultry, and dairy were all up in 1996 (fig. 1-12). The \$4-billion fall in cattle production stemmed from a \$2.9-billion drop in receipts and a \$1.1-billion decline due to a reduction in the herd (inventory adjustment). After having declined for the 3 prior years, beef prices stabilized near 1995 levels (fig. 1-11), but herd liquidation continued, as producers were caught in an ongoing cost-price squeeze without prospects of an immediate turnaround.

Production inputs purchased and used within the current production year, called **intermediate consumption outlays** in table 1-1, rose a modest \$3.4 billion (3.1 percent) in 1996. Changes in individual components were not particularly noteworthy but were consistent with adjustments in production. Livestock purchases were down, reflecting a continuation of the downturn in the beef cycle. Expenditures related to crop production were generally up, in line with the increase in acreage planted (table 1-1).

Net government transactions, the flow of funds between the agricultural and government sectors, fell to under \$1 billion in 1994. By 1995, this measure had fallen below \$100 million, and declined further to \$30 million in 1996. This decline reflects that the agricultural sector has recently paid the government (mostly State and local entities) nearly as much in taxes and fees as it received in (Federal) payments under various farm programs. Net government transactions reached a record high of \$11 billion in 1987, in the midst of the farm sector's financial crisis (fig. 1-6). The significant decline in this measure is a reflection of both the general decrease in government payments (most of which were developed to support farm operator incomes) since 1987, and the steady growth in licensing fees and property taxes collected from the agricultural sector. (Income taxes are not included in the accounts because they are not incurred in production.) Government payments to the agricultural sector in 1996 fell to 44 percent of their record 1987 level, while the sector's payments to government entities reached 139 percent of their 1987 amount. Lower government payments in the 1990's (except for 1993) were due to the relatively high prices and low deficiency payments, partially the result of an expansion

in demand, including growth in exports of agricultural commodities.

### Farm Marketing Receipts Up in 1996

World economic growth and trade liberalization are providing increased opportunities for U.S. exports, and this environment has translated into strong export growth for the U.S. crop and livestock sectors in the 1990's (see box on U.S. agricultural exports). In 1996, the value of marketings of all farm commodities rose \$14.6 billion (table 1-2). Continuing an unbroken trend stretching back to 1987, cash receipts from sales of crops exceeded those of the previous year, having risen 42 percent since 1987. In contrast, livestock receipts rose in 1996 by \$5.9 billion, after 2 years of decline (fig. 1-3). The increases in livestock receipts were powered by increases of \$3.3 billion and \$2.9 billion in sales of poultry and dairy products, respectively. Receipts from sales of meat animals declined slightly as a drop in cattle sales more than offset a \$2.4-billion rise in hog sales.

Strong growth in U.S. grain use supported commodity prices, and 1996 was a favorable year for feed crop farmers, who planted more acres, benefited from higher yields, and sold their production at high prices. Both domestic and export demand were strong, with low

carryin stocks. Corn and soybean sales were up an impressive \$2.9 billion and \$2.4 billion, respectively. Notable gains in sales were also achieved by wheat (\$841 million), cotton (\$610 million), greenhouse/nursery (\$446 million), sorghum grain (\$441 million), rice (\$293 million), and potatoes (\$235 million). Corn production, which typically represents close to one-fifth of crop sales value, contributed \$6.1 billion to the rise in the value of crop production, as producers sold \$3 billion more than in 1995 and added another \$3.1 billion to yearend inventories for future sale. Soybeans also made a \$2.9-billion contribution and, unlike corn, had almost no buildup in inventory.

With the notable exception of cattle, which are in the downward phase of their multiyear production cycle, 1996 was, financially speaking, a good year for producers of farm commodities. While not always at record levels, both prices and yields were generally favorable, putting farmers in the enviable position of having commodities to market when prices were at advantageous levels. This and the relatively small expansion, by recent historical standards, in total production expenses (3.1 percent) are key explanations for the \$15.5-billion rise in **net farm income** (table 1-2 and fig. 1-1).

## Agricultural Exports Surpass \$60 Billion

U.S. agricultural exports were a record \$60.4 billion in calendar year 1996, 8 percent higher than in 1995. Strong prices for grains and soybeans boosted bulk exports 12 percent to \$28.1 billion, the highest since 1981. High-value product (HVP) exports reached a record \$32.3 billion.

### Bulk Exports Led Growth in 1996

In 1996, bulk exports accounted for much of the rise in U.S. agricultural export value. Even though export volume declined, higher grain and soybean prices boosted the export value to \$28.1 billion. Corn export volume fell 13 percent, but increased prices raised the value 15 percent. Wheat shipments also declined, but export value surged 15 percent due to higher prices caused by tight supplies. Soybean volume, unlike grains, rose 12 percent to a record 25.6 billion tons in 1996. Soybean exports to China, Mexico, and Indonesia were especially strong, setting records in 1996. At \$286 per ton, soybean export prices were nearly 21 percent higher than in 1995, boosting the total value of soybean shipments 36 percent. While cotton exports declined 26 percent in both volume and value, exports to Canada and Mexico were a record 64,000 tons and 150,000 tons, respectively.

### HVP Exports Advance for Eleventh Consecutive Year

Although (HVP) exports continued an 11-year upward trend, they increased only 5 percent in 1996, primarily due to the slowdown in beef exports and small horticultural export gains. HVP gains were largely due to increased poultry meat, animal feed, and soybean meal exports. Poultry meat exports jumped 23 percent to a record \$2.5 billion. Shipments to Russia were a record 937,000 tons. China represented a small but rapidly growing market for poultry meat in 1996. U.S. port exports also reached records, 306,000 tons and \$1 billion in value. Exports of animal feeds and fodders advanced 5 percent to \$2.6 billion in 1996. Sharply higher prices boosted the value of soybean meal exports 45 percent, to the highest level since 1988. U.S. horticultural product exports increased nearly 4 percent to about \$9.9 billion, largely due to gains in wine and nuts. (See Economic Research Service, *Foreign Agricultural Trade of the United States*, January/February/March 1997 for additional details on 1996 agricultural exports. Agricultural trade information is also published in the Economic Research Service's *Outlook for U.S. Agricultural Exports*.)

**Net cash income** in 1996 also increased from 1995, but not as dramatically as the rise in net farm income. Farmers were able to build stocks from the excellent harvest in 1996. These accumulated stocks are reflected in net farm income for 1996 because the commodities are valued and booked as change in inventories, but the postponement of their sale moves cash income into future years. Since the valuation of inventory is not a market transaction, it is excluded from net cash income accounting. Despite the postponing of substantial crop sales into the next year, the gain of \$15.6 billion in gross cash income was more than double the \$6.8 billion in added cash expenses, resulting in a hefty 17.1-percent rise in 1996 net cash income from 1995.

### **Corn, Wheat, Soybeans, and Cotton Accounted for Three-Fourths of Increased Crop Receipts**

Cash receipts for corn, which leads all other crops in total value marketed and provided 20 percent of the increase in receipts from all commodities, were \$21.6 billion in 1996, surpassing the previous record of \$18.6 billion in 1995 (table 1-4). Yet, the manner in which the two consecutive sales records were attained was very different. The modest, by recent standards, 7.4-billion-bushel corn crop produced in 1995 was 27 percent below 1994's record of 10.1 billion bushels. However, in 1994, market prices were depressed by the large harvests, and farmers retained sizable quantities in inventories for future sale. The resulting draw-down of the large unsold inventories held over from 1994's record crop permitted farmers to expand sales quantities in 1995. The smaller crop and strong demand for corn, especially for export, bolstered corn prices. Benefiting from prices that were rising throughout the year and continued upward into the post-harvest period, producers were able to boost corn revenues even with a smaller harvest (fig. 1-7).

The rebound in corn production in 1996, in combination with prices that were relatively strong during and after the harvest season, enabled corn sales to top that of the prior year. The net result was a \$3-billion increase in sales from 1995. With the increased 1996 cash sales and another \$3.1 billion of new corn production being added to yearend inventories, 1996 was a banner year for corn producers.

Wheat receipts were up \$841 million in 1996, accounting for about 10 percent of the overall increase in crop receipts. Harvested acreage and yields were up slightly, resulting in increased production. Prices were high-

er for much of the year and remained strong throughout the year, boosting sales 9 percent from 1995 (fig. 1-8).

Soybeans were also a high spot for the U.S. agricultural sector in 1996, as acres, yield, and production were all up from the prior year, and prices received by farmers were at exceptionally high levels compared with 1994 and 1995, due to low inventories and short supplies (fig. 1-9). Soybean receipts increased a whopping \$2.4 billion, an amount equivalent to 27 percent of the net increase in crop revenues. A change of this magnitude is particularly noteworthy, simply because corn is usually the only crop for which the annual change can be expected to approach, much less exceed, \$2 billion.

Cotton sales for 1996 were up \$610 million, equivalent to 7 percent of the total increase in the value of crop sales. Cotton acreage was down, but yields were up 30 percent, leading to increased production. Prices did not fall dramatically in the face of the rebound in production, the result being a 9-percent rise in cotton sales (fig. 1-10). Given that acres planted were down almost 14 percent, producers experienced a considerable improvement in their returns.

### **Vegetable Receipts Declined in 1996**

With the notable exceptions of potatoes, dry beans, cucumbers, and chili peppers, cash receipts from the sale of vegetables were generally down in 1996. Lettuce suffered the largest decline in value, \$563 million or 28 percent, compared with 1995. In 1995, cash receipts from lettuce had soared to 56 percent above those of 1994 as prices spiked to exceptional levels due to short supplies caused by adverse weather. Unusual spring floods in the Salinas Valley of California in 1995 lowered lettuce production, and market prices approached \$50 per hundredweight cut for several months. With the pervasiveness of salad bars in restaurants and the introduction of packaged pre-cut lettuce in grocery stores, strong demand for lettuce continued despite rising prices. In 1996, the lettuce harvest rebounded and prices retreated. Although lettuce growers brought only about 6 percent more product to the market than in 1995, these additional market offerings were enough to cause head lettuce prices to drop almost 37 percent (nearly back to their 1994 level). California and Arizona accounted for 97 percent of 1996 lettuce receipts.

More than 47 percent of U.S. cash receipts from vegetables come from California and Florida. Cash

receipts from vegetables represent about 32 percent of California's cash receipts from all crops and 26 percent of Florida's. Cash receipts from potatoes enable Idaho and Washington to follow Florida in importance as vegetable-producing States. Potatoes were Idaho's leading commodity in cash receipts, generating more than 21 percent of the State's total cash receipts from all commodities.

### **Fruits and Nuts Contributed to Expanded Farm Sector Receipts**

U.S. fruit and nut receipts in 1996 rose 6 percent from 1995, with a 7-percent increase in noncitrus fruit receipts and a less-than-1-percent increase in citrus receipts. In 1996, grapes, apples, oranges, and almonds showed strong domestic and international demand in the fresh and processed markets.

Grapes, the United States' leading fruit and nut commodity in value of cash receipts, are experiencing a remarkable boost in export demand, especially for wine varieties. The U.S. wine industry has become increasingly important to U.S. agriculture. Nearly 55 percent of the 1996 grape crop was used for wine. In 1996, grapes ranked 15th according to each commodity's contribution to U.S. agricultural cash receipts, ahead of apples and oranges, but also ahead of such crops as rice and barley (table 1-4). Total U.S. grape receipts were up 14 percent, with wine receipts reflecting a 24-percent increase in 1996, raisin varieties a 10-percent increase, and fresh table grapes a 5-percent increase from 1995. Receipts were up, reflecting higher grower prices resulting from lower utilized production and increased consumer demand. Prices to growers increased 17 percent for fresh use and 16 percent for processing uses. U.S. grapes are also important to the world's supply. The U.S. agricultural sector contributes 10 percent of the world's grape output, the third largest after Italy and France.

Receipts for the United States' second most important fruit commodity, apples, increased 17 percent to \$1.8 billion in 1996, the highest in the past 5 years. A short supply on the East Coast and strong exports to East Asia helped raise grower prices. Record fresh use of apples has been noted, as well, due to a large crop and excellent quality. A smaller crop for fresh market apple utilization on the East Coast, due to weather and pollination problems, lowered production in some key States.

U.S. orange receipts rose 5 percent in 1996 to \$1.8 billion, setting a record for the latest 5-year period. Quality problems with navels and a strong domestic demand for Valencias lowered the export supply. Domestic demand for fresh-market Valencias was especially high, increasing Valencia receipts 25 percent.

Almond receipts climbed to over \$1 billion in 1996. Almonds, ranking 23rd among the U.S. leading commodity receipts, are showing growth in domestic and international markets. The United States is the world's largest producer and exporter of almonds.

### **Cattle Receipts Down Again in 1996**

Cattle and calves remained the top-ranked commodity in generation of cash receipts (table 1-3) for 1996, comprising 15 percent of all commodities, even though their value of sales fell \$2.9 billion, or 8.4 percent. Following trend, the sales value of cattle and calves has declined by \$8.2 billion, or 21 percent, since 1993 due to lower prices (fig. 1-11). Historically, cattle production and the related herd size follows a multiyear cycle and indications are that cattle are in the downward phase of that cycle.

Increases in poultry, pork, and dairy product sales prevented livestock receipts from falling for the third consecutive year in 1996. Poultry sales have been on the upward trend for the last decade and experienced an unusually large jump in 1996. Long-term per capita consumption trends indicate increased consumer demand for poultry meat. Increasing diet awareness among consumers may be a factor contributing to increased poultry consumption.

While the adoption of large-scale production and marketing practices similar to those employed in broiler production over the last several decades are thought to be lowering production costs for hogs, increased prices throughout 1996 appeared to be the key factor in increasing the value of pork sales in 1996 (fig. 1-12) and in increasing producer returns over 1995 (see Part II: Costs of Production—Major Field Crops, Livestock, and Dairy).

### **Total Expenses for Purchased Inputs and Services Rose 3 Percent in 1996**

Total expenses for purchased inputs, such as feed and fertilizer, and services, such as repairs and custom work—called “**intermediate consumption outlays**” in

table 1-1—were estimated at \$112.4 billion in 1996, up \$3.4 billion (3.1 percent) from 1995. This year's increase was the smallest in the last 4 years. Feed expenses rose \$1.4 billion, or equivalent to 42 percent of the total increase, leading all other input and service expense items, which also expanded in 1996. Increases in items directly related to crop production—fertilizer and lime, pesticides, and seeds—followed in order as the major contributors to expanding expenses. Since the early 1980's, the ratio of "intermediate consumption outlays" to the agricultural sector's final output has remained close to 50 percent. Farm production has become more dependent upon purchased inputs and services during the last decade and a half than during 1960-79 and 1950-59, when "intermediate consumption outlays" to the agricultural sector's final output averaged 45 percent and 38 percent, respectively.

### **Feed Expenses Rise Again in 1996**

Estimated expenditures for feed were \$25.2 billion in 1996, up \$1.4 billion (5.9 percent) from a revised estimate of \$23.8 billion in 1995. Feed costs in 1995 were \$1.2 billion (5.3 percent) more than in 1994. This makes 1996 the fifth straight year that feed expenses have risen significantly, and the fourth straight year that their rise has been the largest increase among production expenses. This pattern is likely due to shifts in the structure and location of animal production, which have increased the percentage of purchased feed to all feed. A larger proportion of animals is being raised on large, specialized operations that buy most of their feed. In addition, dairy and hog production have expanded in the Southwest and Mountain areas where raising feedstuffs other than hay is uneconomical.

In each of the last 2 years, a combination of large animal stocks and increased reliance on purchased feed has been the major reason for increased outlays for livestock feed. Relatively low feed prices during the last quarter of 1994 and the first half of 1995 encouraged many livestock, dairy, and poultry producers to expand already relatively high inventory and production levels. This expansion made them vulnerable to record-high grain and soybean prices in the last quarter of 1995 and most of 1996, when USDA's feed price index rose nearly 24 percent.

Although beef producers accelerated herd reduction during the current cattle cycle's liquidation phase that began in late 1995, and hog producers continued a reduction in numbers that also began in 1995, ERS' estimate of grains and processed feed consumed was

down only 4.2 percent for calendar year 1996. The large animal numbers, already in place when feed price increases hit, forced livestock producers to continue to expend large amounts for purchased feed, despite the direction toward reducing cattle and hog numbers. Furthermore, unfavorable weather conditions in early 1996 reduced forage supplies in the Southern Plains, forcing supplemental feeding of hay. Heavier demand for forage and hay and reduced hay production in 1996 drove supplies to extremely low levels in the second half of 1996, bidding up the price of existing stocks.

### **Livestock and Poultry Purchases Fell with Lower Feeder Cattle Prices**

Total livestock and poultry purchases fell \$1.2 billion (9.6 percent) in 1996 to \$11.1 billion. The value of interstate sales of cattle and calves,<sup>2</sup> which constitute 75 percent of all livestock and poultry purchases, fell \$1.4 billion (14.4 percent). This is the third straight year that interstate sales of cattle and calves have fallen more than \$1 billion. Expenditures for cattle and calves in 1996 were down \$3.9 billion (32 percent) from their previous peak in 1993. As in 1994, both total liveweight and average value per cwt were down in 1996. In 1995, total liveweight rose 5 percent, but the average value fell 14 percent. In 1996, the average value fell another 9.4 percent in response to record high prices for grain and continuing low beef prices (consistent with increased beef production due to unusually high slaughter rates).

The value of interstate sales of breeding hogs and feeder pigs increased 37 percent in response to a 17-percent increase in liveweight and an 18-percent jump in the average price. Total chick and poult purchases rose 3 percent as the poultry sector continued to expand.

### **Crop Production Expenses Rose with Larger Acreage**

Increases in crop acreage, particularly the 11.6-percent expansion in corn acreage, was the dominant factor in increased crop input expenses in 1996. **Seed expenses** were \$6.1 billion, up 11.9 percent from 1995. USDA's seed prices paid index (primarily hybrid corn) rose 5 percent. The remainder of the increase in seed costs was attributable to increased acreage.

<sup>2</sup>Interfarm sales of cattle and calves within the same State are counted as neither receipts nor expenses. In effect, each State is treated as a big farm and the transactions would offset one another.

Estimated **fertilizer and soil conditioner** expenditures were \$10.9 billion in 1996, up 9 percent from 1995. This was the third consecutive year that the increase in fertilizer expenses exceeded 9 percent. Significant price increases in 1994 and 1995 raised the fertilizer prices paid index (aggregate of all fertilizer) 25 percent and accounted for much of the increase in fertilizer expenses. The price index rose only 3.3 percent in 1996, so the principal cause of the 1996 increase was acreage increases, particularly for corn acreage. At 1995 application rates (1996 rates are not available), the increase in fertilizer use on corn would account for more than 60 percent of the increase in quantities applied. Fertilizer expenses have now risen each year since 1992.

Expenditures for **pesticides** were estimated at \$8.5 billion, 10.3 percent higher than 1995's \$7.7 billion. This was the largest increase since the 17.8-percent jump in 1991. The pesticide prices paid index rose 3.5 percent. Expanded acreage accounted for the rest. Herbicides constitute between 65 and 70 percent of pesticides applied and are the principal pesticides used on corn. The combination of expanded acreage and the rise in USDA's herbicide subcomponent prices paid index would have indicated a 10.5-percent increase in herbicide expenditures. Pesticide expenses have been climbing steadily since 1988.

The estimate of expenditures for **petroleum fuel and oils** was \$5.7 billion, up 5.3 percent from the revised 1995 estimate of \$5.4 billion. Gasoline and diesel fuel prices rose sharply beginning in April due to shortages that occurred after particularly harsh winter weather.

**Contract labor expenses** were \$2.1 billion in 1996, up 8.1 percent, approximately the same increase as in 1995. Wage rates for agricultural service workers in California, which employs more than 30 percent of such workers, rose 2.5 percent. Contract labor is treated differently from hired labor because employment is through an intermediary that makes the arrangements and handles the administrative functions, which qualifies the activity as a separate business—providing services to the employing business. Under the Department of Commerce's National Income Accounts, contract labor is classified as being part of the service sector as distinct from the agricultural sector.

Other intermediate product expenses presented a mixed picture. **Repair and maintenance** of farm busi-

ness assets increased 8.9 percent, led by an 8-percent rise in motor vehicle and machinery repair and maintenance. Machine hire and custom work expenses, based on survey results, were estimated at \$4.7 billion, down 2.1 percent from 1995. Both machinery and equipment leasing and crop-related custom work outlays were lower.

**Marketing, storage, and transportation expenses** fell 5 percent to \$6.8 billion. Transportation rates for agricultural products were down. Rail and truck rates were up slightly, but barge rates for farm products on the Mississippi River fell 25 percent from abnormally high 1995 rates. The volume of grain and fresh fruit and vegetable shipments was down around 12 percent. The Bureau of Labor Statistics index of farm product warehousing and storage costs fell 1.5 percent and the volume of commodities stored was less, given the smaller 1995 harvest, which would be reflected in the 1996 expenses. The price index for packaging and containers in the general economy was almost 4 percent lower, so the cost to the agricultural sector was probably less as well.

**Miscellaneous expenses** totaled \$17.6 billion, down 1.4 percent from a revised 1995 estimate of \$17.8 billion. The only significant increases were in estimated outlays for custom feeding (12.1 percent) and general management expenses (1.5 percent), where a 9.6-percent rise in gross insurance expenses offset an 8.5-percent decrease in other management expenses. Estimated expenditures for livestock services and supplies, tools and shop equipment purchases, and irrigation water were all down.

#### **Expenditures To Acquire Services of Factors of Production Rose 9 Percent in 1997**

**Employee compensation** for hired labor was \$15.2 billion in 1996, \$872 million higher than in 1995. The 6.1-percent increase was similar to the 6.2-percent increase in 1995. A large jump in perquisites (noncash benefits) was reflected in the 1995 increase in total labor expenses. USDA's wages index rose 3.6 percent as the average hourly wage earned by all types of hired workers went from \$6.54 to \$6.78. The 1996 increase in the wages index was the largest since 1992, and there are signs that wage rates are increasing faster. October 1996 wage rates were 5.9 percent above October 1995, and increases in the first three quarters of 1997 over the same quarters in 1996 were all greater than 4 percent.

**Net rent to nonoperator landlords** in 1996 was \$14.3 billion, up 19.3 percent from 1995. An important part of the increase was due to a \$2.7-billion (33 percent) increase in share rents corresponding with the sector's higher value of production. About \$1.9 billion of the increase was in corn for grain. Total landlord gross income, excluding forest products to nonoperators, was \$20.6 billion, up 16 percent. Cash rent was \$7.7 billion, up 3.3 percent, as cash rent rates and acres rented both rose. Direct government payments received by landlords were \$1.3 billion, the same as in 1995. Expenses paid by all landlords, including capital consumption, were \$7.2 billion, up 6 percent. Crop inputs financed by landlords rose 26 percent to \$1.7 billion. Property taxes paid by landlords were \$2.4 billion, up 3 percent from 1995. Nonoperator landlords netted \$12.1 billion, up 24 percent from 1995. Forest product receipts credited to other nonoperator landlords added another \$2.2 billion.

**Total interest expenses** were \$13.2 billion, up 3.9 percent from 1995. Interest costs incurred on nonreal estate debt were \$6.9 billion, up 2.6 percent from 1995. However, nonreal estate interest, excluding interest on Commodity Credit Corporation (CCC) loans, rose 4.6 percent. Repayment of CCC loans returned to normal levels after a particularly heavy retirement of CCC debt in 1995. Operators paid \$109 million in interest on CCC debt in 1996, down from \$232 million in 1995. Interest on real estate debt was \$6.4 billion, up 5.2 percent from 1995.

Interest expenses have risen in each of the last 3 years after a long string of decreases from 1983 to 1993. However, the \$492-million increase in 1996 was about half the dollar increases in 1994 and 1995. The 3.9-percent rate of growth in interest expenses in 1996 was less than half the 8.4-percent rate of increase in the previous 2 years. The smaller increase in interest expenses in 1996 is primarily attributable to a slower rise in interest rates between 1995 and 1996. Nonreal estate interest rates rose less than one-half percent, after increasing around 7 percent in the previous 2 years, and real estate interest rates rose 1.6 percent, resulting in a weighted-average increase of 1.1 percent.

The 1996 rise in average farm business debt was the sixth increase since a small decrease in 1990. In each year during this period, average debt has risen slightly more. Average nonreal estate debt, excluding CCC loans, increased \$2.7 billion (3.9 percent) in 1996.

This was the third straight rise of \$2.7 billion in average nonreal estate debt. Average nonreal estate debt has risen every year since 1989 but at varying rates. From 1994 to 1996, average nonreal estate debt rose \$8.3 billion, after rising \$3 billion between 1989 and 1993. Average real estate debt increased \$2.1 billion (2.5 percent) in 1996. Average real estate debt has also been rising at an increasing rate since 1991.

### **Property Taxes and Capital Consumption Were Little Changed in 1996**

**Property taxes** paid continued their pattern of slow, steady growth in 1996, increasing 1.6 percent to \$6.8 billion. Real estate tax payments were estimated up 4.3 percent to \$6.3 billion. In both 1995 and 1996, personal property taxes have fallen. After three year-to-year declines between 1978 and 1984, property tax payments have risen every year except 1991. Taxes do not respond immediately to changes in the value of real estate and other property because they are set by legislation and reassessments of property values are periodic. However, the steady rise in tax payments corresponds to the overall improvement in real estate values and reflects the capacity of operations to pay assessed taxes in a timely manner.

**Total capital consumption**, including operator dwellings, was estimated at \$18.9 billion, up \$15 million from 1995. Capital consumption for farm business items only, excluding operator dwellings, was down 0.8 percent at \$16.2 billion. However, operator dwelling capital consumption rose more than 5.4 percent due to rising operator dwelling values. Interestingly, the ratio of capital consumption to net cash income, which measures the portion of net income that should be reserved for capital replacement, has been fairly stable since 1987 at the 1955-70 level, while capital expenditures as a percentage of net cash income have been slowly rising since 1986.

Despite an improved farm economy and lower interest rates, a number of factors have worked to hold new capital expenditures down. Farmers are continuing the trend of maintaining and repairing machinery and equipment and keeping items in service longer. This trend began in the early 1980's when capital expenditures began to fall off dramatically. The percentage of total production expenses for repair and maintenance has been fairly constant since then. More farmers are leasing equipment or contracting with others for custom work. Adoption of conservation tillage has



reduced demand for tillage equipment and lowered the horsepower requirement per acre planted for farms using these technologies.

Capital consumption of service buildings has decreased steadily since 1981, except for a small increase in 1995, as new expenditures fell as low as one-third of their 1979 peak. In 1996, service building construction rose nearly \$600 million to \$2.3 billion, about the same level as in 1982.

Tractor and farm machinery capital consumption in 1996 was estimated at \$10.7 billion, down 1.2 percent from 1995. After reaching a low point in 1987, tractor and farm machinery capital consumption climbed a little more than \$1 billion to 1990. Since then, it has been essentially level, varying less than \$250 million per

year. Almost all of the increase from 1987 to 1990 was due to increases in tractor capital consumption, which has continued upward at a very slow rate. The overall increase in tractor capital consumption is due to both the climb in the average price of tractors, which elevates their replacement value, and increased purchases. Capital consumption of farm machinery and equipment was flat from 1987 to 1995, but fell more than \$200 million in 1996 due to the smallest increase in the prices paid for machinery and equipment since 1987.

Estimated investment in machinery and equipment in 1996 reached its highest point since 1990 at \$5.5 billion, an increase of \$450 million (8.8 percent) from 1995. Machinery and equipment purchases have stayed between \$5.1 billion and \$5.5 billion each year since 1991, after large increases in 1989 and 1990.

Figure 1-1

**Net value added, net farm income, and net cash income, 1992-96**

*Net value added and net farm income rose substantially in 1996*

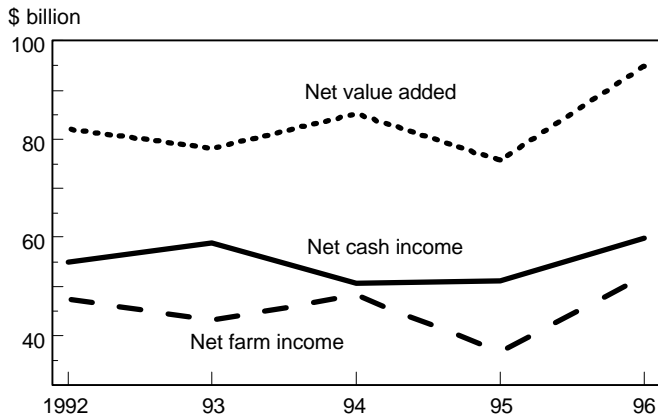


Figure 1-2

**Net value added by farm sector and shares to farm operator and nonoperator participants, 1992-96**

*Farm operator and nonoperator participants all shared in increased value added for 1996*

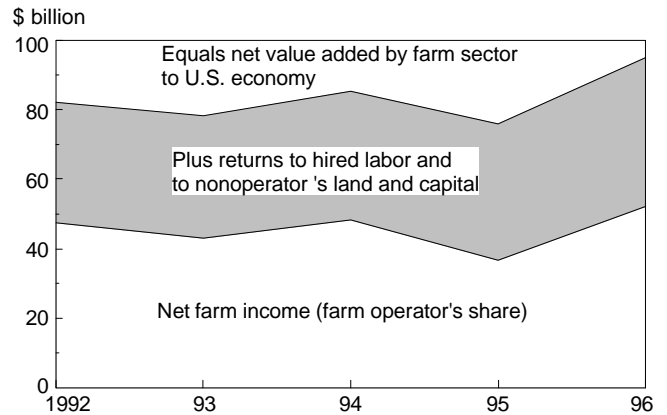


Figure 1-3

**Final crop and animal output, 1990-96**

*Crops were larger share of agricultural sector output between 1994 and 1996*

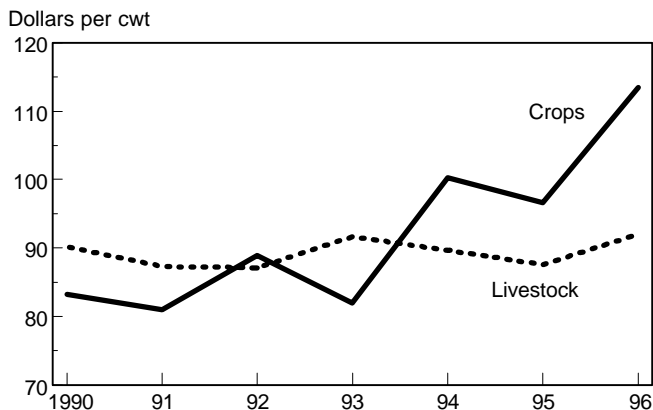


Figure 1-4

**Corn, soybeans, and wheat production, 1990-96**

*Although not records, increased corn and soybean production in 1996 boosted final crop output*

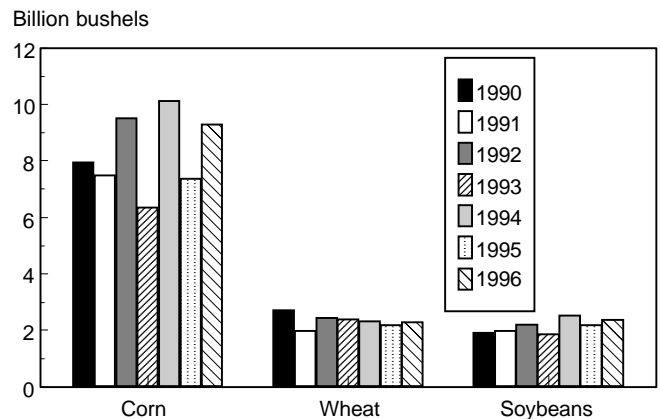


Figure 1-5

**Final agricultural sector output and intermediate consumption outlays, 1990-96**

*Sector output rose rapidly in 1996, while expenses paid to other sectors increased modestly*

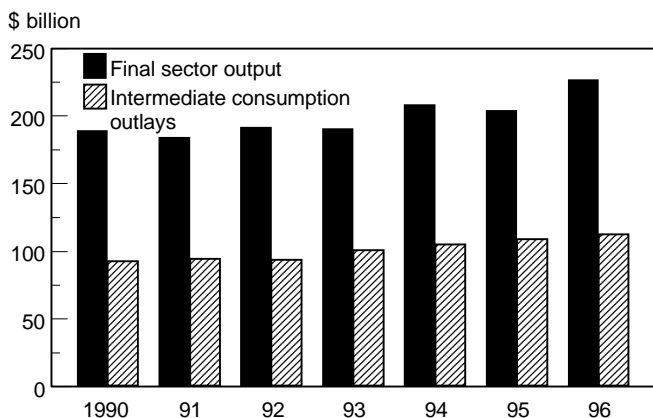


Figure 1-6

**Direct government payments and farm sector payments to government, 1980-96**

*Net government transactions nearly zero in 1995-96 for the first time since 1982*

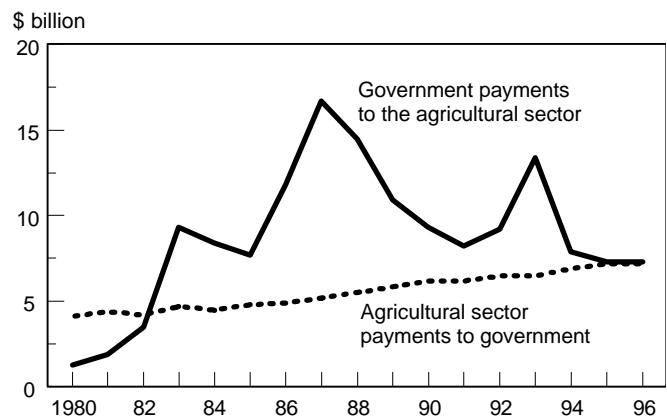


Figure 1-7

### Monthly corn prices, 1994-96

*Higher corn prices over most of 1996, plus a larger harvest, contributed to rise in cash receipts*

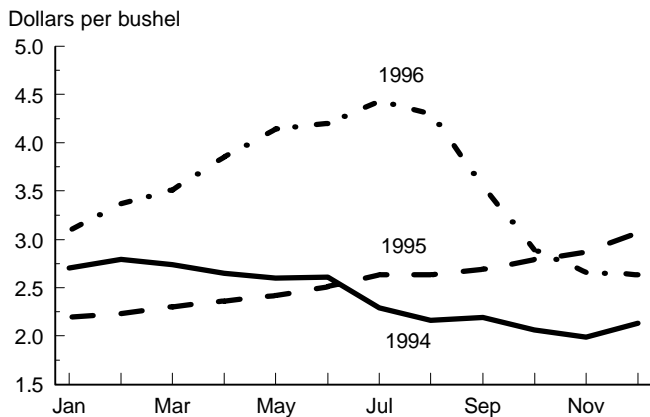


Figure 1-8

### Monthly wheat prices, 1994-96

*Higher wheat prices for much of 1996, with slightly larger acreage and yields, boosted receipts*

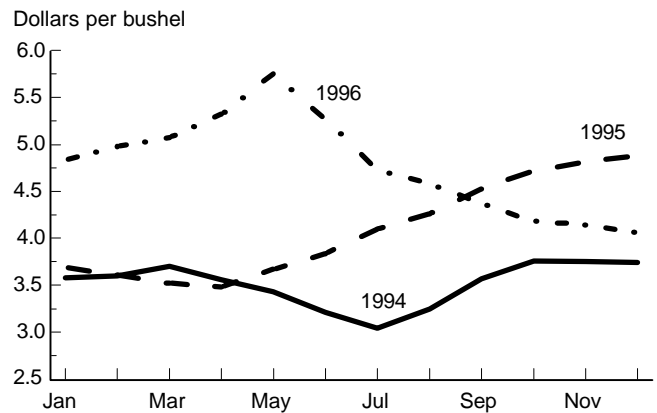


Figure 1-9

### Monthly soybean prices, 1994-96

*Soybean prices rose in 1996 and remained above 1995 despite large harvest*

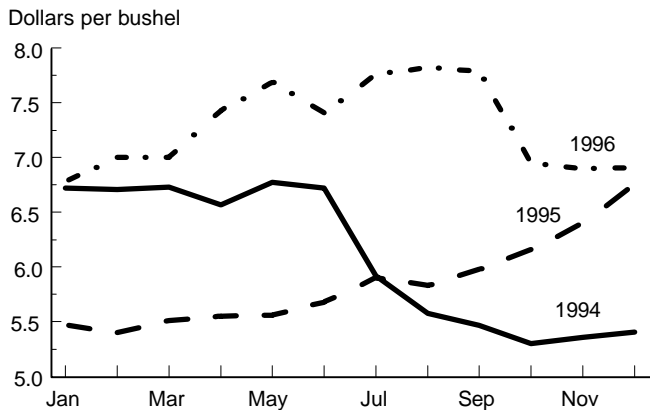


Figure 1-10

### Monthly upland cotton prices, 1994-96

*Cotton prices in 1996 remained strong even with bigger crop, contributing to rise in receipts*

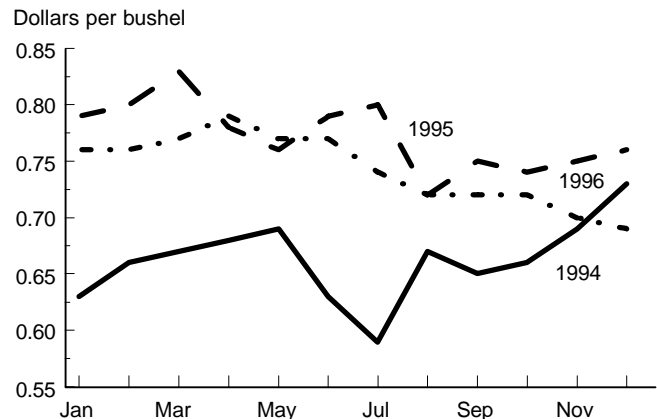


Figure 1-11

### Monthly beef prices, 1994-96

*Beef prices lower for much of 1996, recovering slightly at year's end*

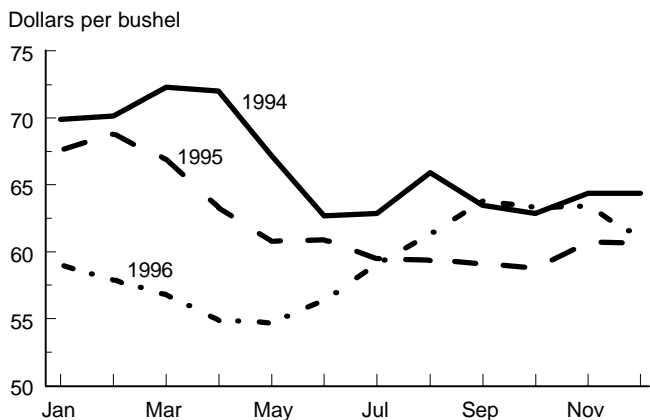
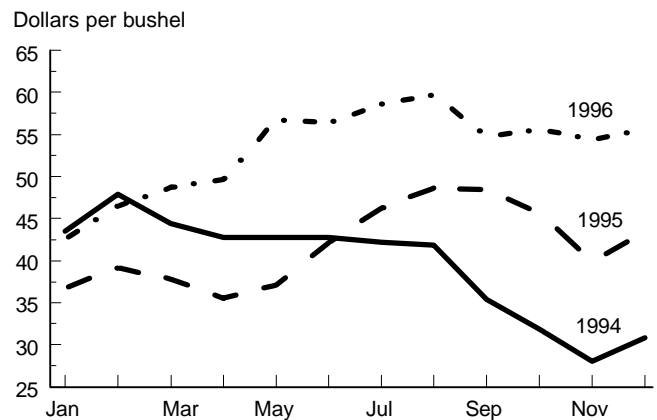


Figure 1-12

### Monthly hog prices, 1994-96

*Higher 1996 hog prices support value of animal output, offsetting lower cattle sales*



**Table 1-1—Value added to the U.S. economy by the agricultural sector via the production of goods and services, 1992-96<sup>1</sup>**

|   |             |             |             |             |             | Change, 1995-96 |         |
|---|-------------|-------------|-------------|-------------|-------------|-----------------|---------|
| Item  | 1992        | 1993        | 1994        | 1995        | 1996        | Amount          | Percent |
| -----Thousand dollars-----                      |             |             |             |             |             | Million dollars | Percent |
| Final crop output                               | 89,036,487  | 81,966,590  | 100,285,791 | 96,655,403  | 113,512,267 | 16,857          | 17.4    |
| Food grains                                     | 8,467,473   | 8,179,932   | 9,545,012   | 10,416,611  | 11,549,958  | 1,133           | 10.9    |
| Feed crops                                      | 20,098,600  | 20,211,046  | 20,351,200  | 24,282,381  | 28,113,655  | 3,831           | 15.8    |
| Cotton  | 5,192,067   | 5,249,680   | 6,737,709   | 6,851,079   | 7,460,813   | 610             | 8.9     |
| Oil crops                                       | 13,285,937  | 13,219,881  | 14,656,680  | 15,466,338  | 17,755,891  | 2,290           | 14.8    |
| Tobacco   | 2,958,005   | 2,947,785   | 2,656,352   | 2,548,399   | 2,795,990   | 248             | 9.7     |
| Fruits and tree nuts                            | 10,178,673  | 10,284,137  | 10,334,702  | 11,073,919  | 11,713,819  | 640             | 5.8     |
| Vegetables                                      | 11,851,388  | 13,434,608  | 13,902,047  | 14,890,935  | 14,348,758  | -542            | -3.6    |
| All other crops                                 | 13,711,536  | 13,952,700  | 14,895,257  | 15,170,425  | 15,685,894  | 515             | 3.4     |
| Home consumption                                | 115,518     | 68,578      | 71,815      | 104,286     | 91,503      | -13             | -12.3   |
| Value of inventory adjustment <sup>2</sup>      | 3,177,290   | -5,581,757  | 7,135,017   | -4,148,970  | 3,995,986   | 8,145           | —       |
| Final animal output                             | 87,089,180  | 91,690,983  | 89,681,596  | 87,617,240  | 91,963,245  | 4,346           | 5.0     |
| Meat animals                                    | 47,748,299  | 50,823,492  | 46,784,612  | 44,827,596  | 44,382,498  | -445            | -1.0    |
| Dairy products                                  | 19,736,250  | 19,242,553  | 19,935,161  | 19,893,610  | 22,833,925  | 2,940           | 14.8    |
| Poultry and eggs                                | 15,523,553  | 17,325,621  | 18,445,009  | 19,068,774  | 22,326,291  | 3,258           | 17.1    |
| Miscellaneous livestock                         | 2,628,877   | 2,778,811   | 2,995,146   | 3,213,776   | 3,371,498   | 158             | 4.9     |
| Home consumption                                | 473,969     | 450,631     | 409,205     | 365,100     | 333,022     | -32             | -8.8    |
| Value of inventory adjustment <sup>2</sup>      | 978,232     | 1,069,875   | 1,112,463   | 248,384     | -1,283,989  | -1,532          | —       |
| Services and forestry                           | 15,178,596  | 16,583,167  | 17,881,849  | 19,374,713  | 20,736,536  | 1,362           | 7.0     |
| Machine hire and customwork                     | 1,786,650   | 1,864,790   | 2,070,810   | 1,927,653   | 2,153,757   | 226             | 11.7    |
| Forest products sold                            | 2,177,753   | 2,555,263   | 2,742,869   | 2,939,262   | 2,918,157   | -21             | -0.7    |
| Other farm income                               | 4,208,708   | 4,608,891   | 4,392,376   | 5,213,331   | 5,893,636   | 680             | 13.0    |
| Gross imputed rental value of farm dwellings    | 7,005,485   | 7,554,223   | 8,675,794   | 9,294,467   | 9,770,986   | 477             | 5.1     |
| Final agricultural sector output                | 191,304,263 | 190,240,740 | 207,849,236 | 203,647,356 | 226,212,048 | 22,565          | 11.1    |
| less: Intermediate consumption outlays          | 93,541,914  | 100,565,154 | 104,905,582 | 109,011,103 | 112,387,179 | 3,376           | 3.1     |
| Farm origin                                     | 38,620,492  | 41,193,584  | 41,276,993  | 41,627,934  | 42,494,681  | 867             | 2.1     |
| Feed purchased                                  | 20,132,962  | 21,431,234  | 22,631,209  | 23,829,253  | 25,234,461  | 1,405           | 5.9     |
| Livestock and poultry purchased                 | 13,574,171  | 14,597,315  | 13,270,118  | 12,335,346  | 11,148,086  | -1,187          | -9.6    |
| Seed purchased                                  | 4,913,359   | 5,165,035   | 5,375,666   | 5,463,335   | 6,112,134   | 649             | 11.9    |
| Manufactured inputs                             | 22,710,022  | 23,146,902  | 24,398,465  | 26,175,192  | 28,393,261  | 2,218           | 8.5     |
| Fertilizers and lime                            | 8,330,712   | 8,397,508   | 9,179,677   | 10,032,994  | 10,934,178  | 901             | 9.0     |
| Pesticides                                      | 6,470,627   | 6,723,326   | 7,225,032   | 7,726,463   | 8,525,120   | 799             | 10.3    |
| Petroleum fuel and oils                         | 5,298,422   | 5,349,809   | 5,312,044   | 5,447,664   | 5,736,339   | 289             | 5.3     |
| Electricity                                     | 2,610,261   | 2,676,259   | 2,681,712   | 2,968,071   | 3,197,624   | 230             | 7.7     |
| Other intermediate expenses                     | 32,211,400  | 36,224,668  | 39,230,124  | 41,207,977  | 41,499,237  | 291             | 0.7     |
| Repair and maintenance of capital items         | 8,470,675   | 9,193,138   | 9,082,921   | 9,458,412   | 10,303,718  | 845             | 8.9     |
| Machine hire and customwork                     | 3,781,693   | 4,420,056   | 4,789,845   | 4,791,726   | 4,691,963   | -100            | -2.1    |
| Marketing, storage, and transportation expenses | 4,541,289   | 5,648,396   | 6,820,594   | 7,180,481   | 6,817,878   | -363            | -5.0    |
| Contract labor                                  | 1,717,422   | 1,770,956   | 1,805,440   | 1,969,054   | 2,128,835   | 160             | 8.1     |
| Miscellaneous expenses                          | 13,700,321  | 15,192,122  | 16,731,324  | 17,808,304  | 17,556,843  | -251            | -1.4    |
| plus: Net government transactions               | 2,691,362   | 6,862,948   | 974,270     | 74,466      | 29,527      | -45             | -60.3   |
| + Direct government payments                    | 9,168,920   | 13,402,015  | 7,879,129   | 7,253,372   | 7,285,541   | 32              | 0.4     |
| - Motor vehicle registration and licensing fees | 360,543     | 362,030     | 414,967     | 461,750     | 428,262     | -33             | -7.3    |
| - Property taxes                                | 6,117,015   | 6,177,037   | 6,489,892   | 6,717,156   | 6,827,752   | 111             | 1.6     |
| Gross value added                               | 100,453,711 | 96,538,534  | 103,917,924 | 94,710,719  | 113,854,396 | 19,144          | 20.2    |
| less: Capital consumption                       | 18,309,531  | 18,377,761  | 18,688,225  | 18,914,273  | 18,929,540  | 15              | 0.1     |
| Net value added                                 | 82,144,180  | 78,160,773  | 85,229,699  | 75,796,446  | 94,924,856  | 19,128          | 25.2    |
| less: Factor payments                           | 34,607,270  | 35,065,904  | 36,958,278  | 39,057,112  | 42,730,493  | 3,673           | 9.4     |
| Employee compensation (total hired labor)       | 12,282,246  | 13,235,320  | 13,503,184  | 14,346,758  | 15,219,042  | 872             | 6.1     |
| Net rent received by nonoperator landlords      | 11,187,500  | 11,009,084  | 11,719,877  | 11,983,988  | 14,293,127  | 2,309           | 19.3    |
| Real estate and nonreal estate interest         | 11,137,524  | 10,821,500  | 11,735,217  | 12,726,365  | 13,218,324  | 492             | 3.9     |
| Net farm income                                 | 47,536,909  | 43,094,869  | 48,271,420  | 36,739,334  | 52,194,363  | 15,455          | 42.1    |

— = Not applicable.

<sup>1</sup>Final sector output is the gross value of the commodities and services produced within a year. Net value added is the sector's contribution to the national economy and is the sum of the income from production earned by all factors of production. Net farm income is the farm operator's share of income from the sector's production activities. The concept is consistent with that employed by the Organization for Economic Cooperation and Development.

<sup>2</sup>A positive value of inventory change represents current-year production not sold by December 31. A negative value is an offset to production from prior years included in current year's sales.

Source: Economic Research Service, U.S. Department of Agriculture.

**Table 1-2—United States: Farm income indicators, 1992-96**

| Table 1-2—United States: Farm income indicators, 1992-96 |                            |             |             |             |             | Change, 1995-96 |         |
|--|----------------------------|-------------|-------------|-------------|-------------|-----------------|---------|
| Item   | 1992                       | 1993        | 1994        | 1995        | 1996        | Amount          | Percent |
|  | -----Thousand dollars----- |             |             |             |             | Million dollars | Percent |
| Gross farm income  | 200,473,183                | 203,642,755 | 215,728,365 | 210,900,728 | 233,497,589 | 22,597          | 10.7    |
| Gross cash income  | 188,722,689                | 200,081,205 | 198,324,071 | 205,037,461 | 220,590,081 | 15,553          | 7.6     |
| Farm marketings  | 171,380,658                | 177,650,246 | 181,238,887 | 187,703,843 | 202,338,990 | 14,635          | 7.8     |
| Crops  | 85,743,679                 | 87,479,769  | 93,078,959  | 100,700,087 | 109,424,778 | 8,725           | 8.7     |
| Livestock and products                                   | 85,636,979                 | 90,170,477  | 88,159,928  | 87,003,756  | 92,914,212  | 5,910           | 6.8     |
| Government payments                                      | 9,168,920                  | 13,402,015  | 7,879,129   | 7,253,372   | 7,285,541   | 32              | 0.4     |
| Farm-related income                                      | 8,173,111                  | 9,028,944   | 9,206,055   | 10,080,246  | 10,965,550  | 885             | 8.8     |
| Noncash income   | 7,594,972                  | 8,073,432   | 9,156,814   | 9,763,853   | 10,195,511  | 432             | 4.4     |
| Value of home consumption                                | 589,487                    | 519,209     | 481,020     | 469,386     | 424,525     | -45             | -9.6    |
| Rental value of dwellings                                | 7,005,485                  | 7,554,223   | 8,675,794   | 9,294,467   | 9,770,986   | 477             | 5.1     |
| Operator and other dwellings <sup>1</sup>                | 6,514,859                  | 7,124,874   | 8,241,493   | 8,731,846   | 9,156,132   | 424             | 4.9     |
| Hired laborer dwellings                                  | 490,626                    | 429,349     | 434,301     | 562,621     | 614,854     | 52              | 9.3     |
| Value of inventory adjustment                            | 4,155,522                  | -4,511,882  | 8,247,480   | -3,900,586  | 2,711,997   | 6,613           |         |
| Total production expenses                                | 152,936,274                | 160,547,886 | 167,456,945 | 174,161,394 | 181,303,225 | 7,142           | 4.1     |
| Intermediate product expenses                            | 92,185,035                 | 99,156,228  | 103,515,109 | 107,503,799 | 110,686,606 | 3,183           | 3.0     |
| Farm origin  | 38,620,492                 | 41,193,584  | 41,276,993  | 41,627,934  | 42,494,681  | 867             | 2.1     |
| Feed purchased   | 20,132,962                 | 21,431,234  | 22,631,209  | 23,829,253  | 25,234,461  | 1,405           | 5.9     |
| Livestock and poultry purchased                          | 13,574,171                 | 14,597,315  | 13,270,118  | 12,335,346  | 11,148,086  | -1,187          | -9.6    |
| Seed purchased   | 4,913,359                  | 5,165,035   | 5,375,666   | 5,463,335   | 6,112,134   | 649             | 11.9    |
| Manufactured inputs                                      | 22,710,022                 | 23,146,902  | 24,398,465  | 26,175,192  | 28,393,261  | 2,218           | 8.5     |
| Fertilizer and lime                                      | 8,330,712                  | 8,397,508   | 9,179,677   | 10,032,994  | 10,934,178  | 901             | 9.0     |
| Pesticides   | 6,470,627                  | 6,723,326   | 7,225,032   | 7,726,463   | 8,525,120   | 799             | 10.3    |
| Fuel and oil   | 5,298,422                  | 5,349,809   | 5,312,044   | 5,447,664   | 5,736,339   | 289             | 5.3     |
| Electricity  | 2,610,261                  | 2,676,259   | 2,681,712   | 2,968,071   | 3,197,624   | 230             | 7.7     |
| Other  | 30,854,521                 | 34,815,742  | 37,839,651  | 39,700,673  | 39,798,664  | 98              | 0.2     |
| Repair and maintenance                                   | 8,470,675                  | 9,193,138   | 9,082,921   | 9,458,412   | 10,303,718  | 845             | 8.9     |
| Other miscellaneous                                      | 22,383,846                 | 25,622,604  | 28,756,730  | 30,242,261  | 29,494,946  | -747            | -2.5    |
| Interest   | 11,137,524                 | 10,821,500  | 11,735,217  | 12,726,365  | 13,218,324  | 492             | 3.9     |
| Real estate  | 5,742,274                  | 5,488,616   | 5,781,610   | 6,041,533   | 6,356,574   | 315             | 5.2     |
| Nonreal estate   | 5,395,250                  | 5,332,884   | 5,953,607   | 6,684,832   | 6,861,750   | 177             | 2.6     |
| Contract and hired labor expenses                        | 13,999,668                 | 15,006,276  | 15,308,624  | 16,315,812  | 17,347,877  | 1,032           | 6.3     |
| Net rent to nonoperator landlords <sup>2</sup>           | 11,187,500                 | 11,009,084  | 11,719,877  | 11,983,988  | 14,293,127  | 2,309           | 19.3    |
| Capital consumption                                      | 18,309,531                 | 18,377,761  | 18,688,225  | 18,914,273  | 18,929,540  | 15              | 0.1     |
| Property taxes   | 6,117,015                  | 6,177,037   | 6,489,892   | 6,717,156   | 6,827,752   | 111             | 1.6     |
| Net farm income <sup>3</sup>                             | 47,536,909                 | 43,094,869  | 48,271,420  | 36,739,334  | 52,194,363  | 15,455          | 42.1    |
| Gross receipts of farms                                  | 193,958,324                | 196,517,881 | 207,486,872 | 202,168,882 | 224,341,457 | 22,173          | 11.0    |
| Farm production expenses                                 | 148,871,592                | 156,490,454 | 162,980,647 | 169,348,115 | 176,064,087 | 6,716           | 4.0     |
| Nonfactor payments                                       | 114,625,269                | 121,773,299 | 126,419,705 | 130,713,995 | 133,769,246 | 3,055           | 2.3     |
| Intermediate product expenses                            | 91,315,202                 | 98,332,019  | 102,565,703 | 106,551,408 | 109,476,374 | 2,925           | 2.7     |
| Capital consumption                                      | 16,102,700                 | 16,164,380  | 16,321,303  | 16,311,971  | 16,186,890  | -125            | -0.8    |
| Property taxes   | 5,489,945                  | 5,505,944   | 5,727,259   | 5,881,562   | 5,977,147   | 96              | 1.6     |
| Contract labor   | 1,717,422                  | 1,770,956   | 1,805,440   | 1,969,054   | 2,128,835   | 160             | 8.1     |
| Factor payments  | 34,246,322                 | 34,717,155  | 36,560,941  | 38,634,120  | 42,294,842  | 3,661           | 9.5     |
| Interest   | 10,776,576                 | 10,472,751  | 11,337,880  | 12,303,373  | 12,782,673  | 479             | 3.9     |
| Hired labor compensation                                 | 12,282,246                 | 13,235,320  | 13,503,184  | 14,346,758  | 15,219,042  | 872             | 6.1     |
| Net rent to nonoperator landlords                        | 11,187,500                 | 11,009,084  | 11,719,877  | 11,983,988  | 14,293,127  | 2,309           | 19.3    |
| Returns to operators <sup>4</sup>                        | 45,086,732                 | 40,027,427  | 44,506,225  | 32,820,767  | 48,277,370  | 15,457          | 47.1    |
| Gross cash income  | 188,722,689                | 200,081,205 | 198,324,071 | 205,037,461 | 220,590,081 | 15,553          | 7.6     |
| Cash expenses  | 133,646,463                | 141,246,959 | 147,600,019 | 153,859,697 | 160,649,172 | 6,789           | 4.4     |
| Cash expenses, excluding net rent                        | 121,086,457                | 128,883,363 | 134,500,973 | 140,482,829 | 144,951,724 | 4,469           | 3.2     |
| Intermediate product expenses                            | 91,315,202                 | 98,332,019  | 102,565,703 | 106,551,408 | 109,476,374 | 2,925           | 2.7     |
| Interest   | 10,776,576                 | 10,472,751  | 11,337,880  | 12,303,373  | 12,782,673  | 479             | 3.9     |
| Cash labor expenses                                      | 13,504,734                 | 14,572,649  | 14,870,131  | 15,746,486  | 16,715,530  | 969             | 6.2     |
| Property taxes   | 5,489,945                  | 5,505,944   | 5,727,259   | 5,881,562   | 5,977,147   | 96              | 1.6     |
| Net rent to nonoperator landlords <sup>5</sup>           | 12,560,006                 | 12,363,595  | 13,099,045  | 13,376,869  | 15,697,448  | 2,321           | 17.3    |
| Net cash income  | 55,076,226                 | 58,834,246  | 50,724,052  | 51,177,764  | 59,940,909  | 8,763           | 17.1    |

<sup>1</sup>Value added to gross income. Value added to net farm income equals difference in net farm income and returns to operators.

<sup>2</sup>Includes landlord capital consumption.

<sup>3</sup>Statistics in and above the net farm income line represent the farm sector, defined as including farm operators' dwellings located on farms. Statistics below the net farm income line represent only the farm businesses to the exclusion of the operators' dwellings.

<sup>4</sup>Returns to operators is equivalent to net farm income excluding the income and expenses associated with farm operator's dwellings.

<sup>5</sup>Excludes landlord capital consumption.

Source: Economic Research Service, U.S. Department of Agriculture.

**Table 1-3—Leading commodities for cash receipts, 1996**

| Rank <sup>1</sup> | Items                            | Value of<br>U.S.<br>receipts        | Percent<br>of U.S.<br>total | Cumulative<br>percent <sup>2</sup> | Rank<br>in prior<br>year |
|-------------------|----------------------------------|-------------------------------------|-----------------------------|------------------------------------|--------------------------|
|                   |                                  | <i>Thousand dollars<sup>3</sup></i> | <i>----- Percent -----</i>  |                                    |                          |
|                   | All commodities                  | 202,338,990                         | 100.0                       | —                                  | —                        |
|                   | Livestock and products           | 92,914,212                          | 45.9                        | —                                  | —                        |
|                   | Crops                            | 109,424,778                         | 54.1                        | —                                  | —                        |
| 1                 | Cattle and calves                | 31,138,046                          | 15.4                        | 15.4                               | 1                        |
| 2                 | Dairy products                   | 22,833,925                          | 11.3                        | 26.7                               | 2                        |
| 3                 | Corn                             | 21,573,363                          | 10.7                        | 37.3                               | 3                        |
| 4                 | Soybean                          | 16,211,387                          | 8.0                         | 45.3                               | 4                        |
| 5                 | Broilers                         | 13,906,019                          | 6.9                         | 52.2                               | 5                        |
| 6                 | Hogs                             | 12,643,736                          | 6.2                         | 58.5                               | 7                        |
| 7                 | Greenhouse and nursery           | 10,887,058                          | 5.4                         | 63.9                               | 6                        |
| 8                 | Wheat                            | 9,955,616                           | 4.9                         | 68.8                               | 8                        |
| 9                 | Cotton                           | 7,460,813                           | 3.7                         | 72.5                               | 9                        |
| 10                | Chicken eggs                     | 4,756,571                           | 2.4                         | 74.8                               | 10                       |
| 11                | Hay                              | 3,573,530                           | 1.8                         | 76.6                               | 11                       |
| 12                | Turkeys                          | 3,056,314                           | 1.5                         | 78.1                               | 12                       |
| 13                | Tobacco                          | 2,795,990                           | 1.4                         | 79.5                               | 13                       |
| 14                | Potatoes                         | 2,699,259                           | 1.3                         | 80.8                               | 14                       |
| 15                | Grapes                           | 2,334,020                           | 1.2                         | 82.0                               | 15                       |
| 16                | Apples                           | 1,846,052                           | 0.9                         | 82.9                               | 19                       |
| 17                | Sorghum grain                    | 1,813,188                           | 0.9                         | 83.8                               | 20                       |
| 18                | Oranges                          | 1,798,311                           | 0.9                         | 84.7                               | 17                       |
| 19                | Tomatoes                         | 1,603,232                           | 0.8                         | 85.4                               | 18                       |
| 20                | Rice                             | 1,575,115                           | 0.8                         | 86.2                               | 21                       |
| 21                | Lettuce                          | 1,427,400                           | 0.7                         | 86.9                               | 16                       |
| 22                | Sugar beets                      | 1,017,475                           | 0.5                         | 87.4                               | 22                       |
| 23                | Almonds                          | 1,008,576                           | 0.5                         | 87.9                               | 25                       |
| 24                | Barley                           | 992,388                             | 0.5                         | 88.4                               | 26                       |
| 25                | Peanuts                          | 969,132                             | 0.5                         | 88.9                               | 23                       |
| 26                | Cane for sugar                   | 865,965                             | 0.4                         | 89.3                               | 26                       |
| 27                | Strawberries                     | 770,324                             | 0.4                         | 89.7                               | 27                       |
| 28                | Aquaculture                      | 767,750                             | 0.4                         | 90.1                               | 29                       |
| 29                | Mushrooms                        | 753,052                             | 0.4                         | 90.5                               | 28                       |
| 30                | Onions                           | 701,006                             | 0.3                         | 90.8                               | 30                       |
| 31                | Dry beans                        | 663,875                             | 0.3                         | 91.1                               | 32                       |
| 32                | Corn, sweet                      | 636,023                             | 0.3                         | 91.4                               | 31                       |
| 33                | Horses/mules                     | 628,000                             | 0.3                         | 91.8                               | 33                       |
| 34                | Sheep and lambs                  | 600,716                             | 0.3                         | 92.1                               | 34                       |
| 35                | Christmas trees                  | 474,435                             | 0.2                         | 92.3                               | NA                       |
|                   | Government payments <sup>4</sup> | 7,285,541                           | —                           | —                                  | —                        |

— = Not applicable.

NA = Not available.

<sup>1</sup>Rankings for States and commodities available on Internet at [www.econ.ag.gov/briefing/fbe/fi/fi.htm](http://www.econ.ag.gov/briefing/fbe/fi/fi.htm)

<sup>2</sup>The cumulative percentage is the sum of the percentage of U.S. total for each commodity and all preceding commodities.

<sup>3</sup>Numbers may not add due to rounding.

<sup>4</sup>Government payments made directly to farmers in cash or payment-in-kind.

Source: Economic Research Service, U.S. Department of Agriculture.

**Table 1-4—Farm sector gross capital expenditures, 1985-96<sup>1</sup>**

| Year            | Buildings and land <sup>2</sup>      |  |                                 |                                |       | Motor vehicles <sup>3</sup> |        |              |       |                                      | Total capital expenditures   |                              |
|-----------------|--------------------------------------|--|---------------------------------|--------------------------------|-------|-----------------------------|--------|--------------|-------|--------------------------------------|------------------------------|------------------------------|
|                 | Operator farm dwellings <sup>4</sup> | Service structures and land improvements |                                 |                                | Total | Tractors                    | Trucks | Auto-mobiles | Total | Machinery and equipment <sup>7</sup> | Including operator dwellings | Excluding operator dwellings |
|                 |                                      | Total                                    | Service structures <sup>5</sup> | Land improvements <sup>6</sup> |       |                             |        |              |       |                                      |                              |                              |
|                 |                                      |  |                                 |                                |       |                             |        |              |       |                                      |                              |                              |
|                 |                                      |  |                                 |                                |       |                             |        |              |       |                                      |                              |                              |
| Million dollars |                                      |  |                                 |                                |       |                             |        |              |       |                                      |                              |                              |
| 1985            | 938                                  | 2,256                                    | 1,314                           | 942                            | 3,193 | 1,937                       | 1,537  | 225          | 3,699 | 3,232                                | 10,124                       | 9,186                        |
| 1986            | 712                                  | 2,139                                    | 1,459                           | 680                            | 2,852 | 1,513                       | 1,462  | 252          | 3,227 | 3,094                                | 9,173                        | 8,460                        |
| 1987            | 931                                  | 2,605                                    | 1,734                           | 870                            | 3,536 | 2,104                       | 1,855  | 316          | 4,275 | 4,297                                | 12,108                       | 11,177                       |
| 1988            | 1,262                                | 2,388                                    | 1,357                           | 1,031                          | 3,650 | 2,540                       | 2,076  | 296          | 4,912 | 4,222                                | 12,783                       | 11,521                       |
| 1989            | 1,235                                | 2,519                                    | 1,575                           | 944                            | 3,754 | 2,903                       | 2,350  | 230          | 5,484 | 5,087                                | 14,326                       | 13,090                       |
| 1990            | 2,029                                | 2,784                                    | 1,662                           | 1,122                          | 4,813 | 3,119                       | 2,373  | 259          | 5,750 | 5,589                                | 16,152                       | 14,123                       |
| 1991            | 1,216                                | 2,723                                    | 1,648                           | 1,075                          | 3,939 | 2,593                       | 2,111  | 289          | 4,993 | 5,410                                | 14,343                       | 13,126                       |
| 1992            | 1,417                                | 2,391                                    | 1,388                           | 1,003                          | 3,808 | 2,826                       | 1,945  | 355          | 5,126 | 5,132                                | 14,066                       | 12,650                       |
| 1993            | 1,508                                | 3,191                                    | 1,661                           | 1,531                          | 4,699 | 2,689                       | 2,221  | 279          | 5,189 | 5,488                                | 15,376                       | 13,868                       |
| 1994            | 1,645                                | 3,246                                    | 1,852                           | 1,394                          | 4,891 | 2,893                       | 2,301  | 259          | 5,453 | 5,182                                | 15,526                       | 13,881                       |
| 1995            | 1,312                                | 3,014                                    | 1,717                           | 1,298                          | 4,326 | 2,911                       | 2,600  | 200          | 5,711 | 5,051                                | 15,088                       | 13,776                       |
| 1996            | 1,689                                | 3,804                                    | 2,293                           | 1,511                          | 5,493 | 2,974                       | 2,848  | 221          | 6,043 | 5,495                                | 17,031                       | 15,342                       |

<sup>1</sup>Capital expenditures are based on the Farm Costs and Returns Survey (FCRS) for 1982 and later years. Since 1991, FCRS estimates have incorporated nonresponse and undercoverage adjustments that ensure representation of the entire farm sector. Estimates for 1988-90 are based on interpolations of prior estimates between the final 1987 and 1991 estimates. FCRS data for 1997 were adjusted to represent the USDA number of farms in sales classes under \$100,000. FCRS data used in estimates prior to 1987 Farm Production Expenditures summaries.

<sup>2</sup>Includes new construction, additions, and major improvements.

<sup>3</sup>Share of capital items used in the farm business only.

<sup>4</sup>Operator dwellings located on farm real estate only.

<sup>5</sup>Includes service buildings, other structures, and dwellings not occupied by farm operators.

<sup>6</sup>Includes fences, windmills, wells, irrigation equipment, dams and ponds, terraces, drainage ditches, tile lines, other soil conservation facilities.

<sup>7</sup>Excludes irrigation equipment, which is included in land improvements, and minor types of equipment charged to miscellaneous expenses.

Source: Economic Research Service, U.S. Department of Agriculture.

**Table 1-5—Farm sector capital replacement costs, 1985-96<sup>1</sup>**

| Year            | Buildings                            |                                 |       | Motor vehicles <sup>2</sup> |        |              |       | Other machinery and equipment <sup>5</sup> | Total capital replacement    |                              |
|-----------------|--------------------------------------|---------------------------------|-------|-----------------------------|--------|--------------|-------|--|------------------------------|------------------------------|
|                 | Operator farm dwellings <sup>3</sup> | Service structures <sup>4</sup> | Total | Tractors                    | Trucks | Auto-mobiles | Total |  | Including operator dwellings | Excluding operator dwellings |
|                 |                                      |                                 |       |                             |        |              |       |  |                              |                              |
| Million dollars |                                      |                                 |       |                             |        |              |       |  |                              |                              |
| 1985            | 1,299                                | 3,095                           | 4,394 | 2,982                       | 2,402  | 795          | 6,179 | 8,191                                      | 18,765                       | 17,465                       |
| 1986            | 1,277                                | 2,954                           | 4,231 | 2,830                       | 2,121  | 657          | 5,609 | 7,425                                      | 17,265                       | 15,988                       |
| 1987            | 1,484                                | 2,953                           | 4,436 | 2,477                       | 2,106  | 573          | 5,157 | 7,102                                      | 16,695                       | 15,211                       |
| 1988            | 1,664                                | 2,861                           | 4,525 | 2,722                       | 2,153  | 530          | 5,405 | 7,077                                      | 17,007                       | 15,343                       |
| 1989            | 1,703                                | 2,823                           | 4,525 | 3,180                       | 2,171  | 467          | 5,817 | 7,046                                      | 17,389                       | 15,686                       |
| 1990            | 1,606                                | 2,747                           | 4,353 | 3,553                       | 2,160  | 396          | 6,109 | 7,055                                      | 17,517                       | 15,911                       |
| 1991            | 1,601                                | 2,689                           | 4,290 | 3,629                       | 2,161  | 351          | 6,142 | 7,139                                      | 17,571                       | 15,970                       |
| 1992            | 1,658                                | 2,621                           | 4,279 | 3,521                       | 2,163  | 349          | 6,033 | 7,084                                      | 17,396                       | 15,738                       |
| 1993            | 1,814                                | 2,583                           | 4,397 | 3,535                       | 2,234  | 350          | 6,119 | 7,107                                      | 17,623                       | 15,809                       |
| 1994            | 2,096                                | 2,551                           | 4,646 | 3,577                       | 2,343  | 339          | 6,259 | 7,159                                      | 18,064                       | 15,968                       |
| 1995            | 2,304                                | 2,552                           | 4,856 | 3,689                       | 2,230  | 290          | 6,209 | 7,148                                      | 18,213                       | 15,909                       |
| 1996            | 2,428                                | 2,499                           | 4,927 | 3,762                       | 2,282  | 267          | 6,311 | 6,946                                      | 18,184                       | 15,756                       |

<sup>1</sup>Estimates are based on current replacement cost, not acquisition cost.

<sup>2</sup>Share of item used in the farm business only.

<sup>3</sup>Operator dwellings located on farms only. New methods and data are used to compute operator dwelling capital replacement beginning with 1984. The revised replacement rate is lower than the previous rate. Estimates before 1984 are not compatible with later estimates.

<sup>4</sup>Includes service buildings, other structures, and dwellings not occupied by farm operators. Capital replacement is not calculated for land improvements.

<sup>5</sup>Excludes irrigation equipment, which is included in land improvements, and minor types of equipment charged to miscellaneous expenses.

Source: Economic Research Service, U.S. Department of Agriculture.

## Net Farm Income Rebounds in Most States in 1996

Roger Strickland and Larry Traub

Many of the 50 States experienced a recovery in net farm income in 1996 from the substantial declines of the prior year. In 1995, net farm income was down significantly in most States, particularly in the Corn Belt, Northern Plains, and the Southern Plains regions. A decrease in the value of crop output, compared with 1994's record harvest, accounted for most of the lower income in the Corn Belt and Northern Plains, while higher production expenses appear to be more responsible for the income change in the Southern Plains. In 1996, **net value added from production** in the agricultural sector rose \$2.1 billion in Iowa, the most of any State. This was an increase of 45 percent, but seven additional States had percentage increases of at least that much: Missouri (89 percent), Illinois (61 percent), South Dakota (60 percent), North Dakota (59 percent), Minnesota (59 percent), Indiana (46 percent), and Nebraska (45 percent). Nationally, cash receipts from sales of corn, soybeans, hogs, and milk were each up by more than \$2 billion in 1996 and were among the leading commodities in the respective commodity mixes of these eight States, with the exception of North Dakota. Located in the country's bread basket and geographically contiguous, the eight States accounted for 55 percent of the \$15.6-billion increase in U.S. net farm income. Producers in North and South Dakota also benefited from increased wheat sales.

California continued to lead the Nation in cash receipts and farm income by substantial amounts, reflecting both its substantial land mass and its commodity mix, which is heavily weighted towards those with high value of production per acre. California's net farm income in 1996 rebounded to \$5.6 billion, up from \$4.6 billion in 1995. Iowa, with \$4 billion, representing a gain of \$1.8 billion, surged past North Carolina, to earn the second largest net farm income in 1996. Two additional States earned more than \$3 billion in net farm income in 1996—North Carolina (\$3.4 billion) and Nebraska (\$3.1 billion), and five more States exceeded \$2 billion—Texas, Illinois, Minnesota, Georgia, and Arkansas. In contrast, in 1995, only four States topped the \$2-billion mark—California (\$4.6 billion), North Carolina (\$2.7 billion), Texas (\$2.5 billion), and Iowa (\$2.2 billion).

### All But One of Top 12 States in Net Farm Income Earned More in 1996 than in 1995

California, Iowa, North Carolina, and Nebraska each earned over \$3 billion, while Texas, Illinois, Minnesota, Georgia, and Arkansas had net farm incomes over \$2 billion. Florida, Kansas, and Washington round out the top dozen States ranked by net farm income (table 2-4). These dozen States accounted for more than 60 percent of the Nation's net farm income in 1996 (fig. 2-3). Of these same States, only Florida failed to achieve a higher net farm income in 1996 than in the previous year. Collectively, net farm income for the top 12 States in 1996 was \$9.6 billion above 1995, equivalent to 61 percent of the national year-over-year increase. California, North Carolina, Texas, Iowa, Georgia, Florida, Nebraska, Arkansas, Minnesota, and Kansas were all among the top dozen in net farm income in 1995 as well. Illinois and Washington entered the top 12 grouping in 1996, displacing Kentucky and Ohio, which had been 9th and 12th in the 1995 ranking.

Missouri, Illinois, Indiana, and Minnesota more than doubled their net farm income in 1996 from the previ-

Rankings by cash receipts of leading commodities for States and leading States for commodities adds useful information to the cash receipts statistics reported in the appendix. Rankings of leading commodities for States convey significant information about the production mix within States, and indirectly about the factors of production that constitute the basis for the State's comparative advantage. Correspondingly, rankings of leading States for commodities or commodity groups summarize a plethora of statistical facts to show the importance of the commodity to individual States and geographic regions, aiding in the analysis of the likelihood and extent of impacts from climatic, policy, and price changes in the level of receipts. An extensive set of ranking tables derived from the cash receipts statistics presented in the appendix are made available on the ERS website ([www.econ.ag.gov/briefing/fbe/fi/fi.htm](http://www.econ.ag.gov/briefing/fbe/fi/fi.htm)) and from the ERS AutoFax (dial 202-694-5700 from the touch-tone phone on your fax machine).



ous year. The value of final crop output soared in 1996, reflecting rebounds in both acreage and yields for major crops, both of which had declined in 1995 following 1994's record harvest. Crop prices were much higher in the first half of 1996 relative to the same period a year earlier and tended to remain stable in the latter half of the year, despite the rebound in production. Corn and soybeans led the recovery in crop production. The producers of these two crops and hogs were among the principal beneficiaries of favorable prices. Corn and soybeans are the two leading commodities in all four of the aforementioned States, hogs are the third leading commodity in all but Minnesota, where they rank fourth behind dairy, which likewise benefited from favorable prices in 1996.

Net farm income statistics do not fully convey the magnitude of the economic activity represented by production agriculture. The amount of **factor payments** and **intermediate consumptions outlays** incurred in generating net farm income are alternative indicators of the level and impact of the sector's contribution to a State's economy. Payments to the owners of factors of production, in turn, represent earnings to the nonoperators who supply land, capital, and labor used in the farm production process. Intermediate consumption outlays represent purchases of inputs from businesses in other sectors of the economy, which in turn, have a multiplier effect through the generation of profits, jobs, additional purchases, etc. Factor payments were up 9.4 percent in 1996, propelled by a 19.3-percent rise in net rental payments to nonoperator landlords for use of their land.

The higher rental payments reflect the 17-percent jump in value of crop production, particularly via the share rental arrangements, where landlords receive a portion of the harvest. In 1996, landlords benefited from the rise in production and the strength in prices available to farmers. Intermediate consumption outlays rose a solid 3.1 percent as inputs associated with crop production were higher across the board. The decline in the purchases of livestock was the major depressant on expenditures for inputs, reflecting the pressures on profitability in beef production.

In 1996, factor payments totaled \$42.7 billion. States with at least \$2 billion in factor payments were California (\$5.7 billion), Iowa (\$2.8 billion), Illinois (\$2.7 billion), and Texas (\$2.4 billion). The agricultural sectors of the four States are quite different, which is reflected in the distribution of factor payments. In

California, expenditures for hired labor comprised 67 percent of total factor payments compared with 11 percent for net rent. In contrast, net rental payments exceeded payments to labor by at least a factor of 5 in both Iowa (57 percent to 9 percent) and Illinois (62 percent to 11 percent). In Texas, the three factors of production (rent, labor, and capital) shared almost evenly in the payments. California's production mix is highly diversified and dominated by labor intensive vegetables and specialty crops. The production mix in Iowa and Illinois is predominantly corn, soybeans, and hogs, which are conducive to mechanization, allowing capital to be substituted for labor. In Texas, the combination of cattle and cotton necessitates a more balanced employment of production factors.

In 1996, intermediate consumption outlays totaled \$112.4 billion. States with at least \$5 billion in such purchased inputs were California (\$12 billion), Texas (\$8.3 billion), Iowa (\$6 billion), Kansas (\$5.4 billion), and Nebraska (\$5.3 billion). Nationally, intermediate consumption outlays were up only 3 percent in 1996 and this was generally the case across the States also. Farmers were geared up for full production in both 1995 and 1996, and the vagaries of the weather and market prices, occurring beyond the stage when farmers have committed to expenditure outlays, accounted for the differences in value added and income in the 2 years (table 2-4).

### **Net Value Added Higher**

Net value added reflects the value of all goods and services produced within the year, whether sold or added to inventory, net of the production-related expenses paid to other sectors of the economy (as defined by the U.S. Department of Commerce). This net value added is affected by changes in output value, changes in production expenses, or both. California, the Nation's leader in net value added, exhibited an increase in net value added of \$1.6 billion. The value of California's total production within the farm sector was up \$1.4 billion to near \$25 billion in 1996, and the expenditures associated with its farm production were down ever so slightly. This same pattern—of increased output with relatively little change in production-related expenses—prevailed among most States that rank in the top dozen in net farm income. Texas, a leading cattle producer, was an exception, as the value of total production remained steady, with lower cattle sales offsetting higher crop sales, and expenses declined, led by livestock purchases, as producers culled their herds.

## **Cattle and Dairy Leading Commodities in Cash Receipts**

Cattle and calves remained the top-ranked commodity in generation of cash receipts (table 2-2) for 1996, even though their sales fell \$2.9 billion (8.4 percent). In fact, sales of cattle and calves have declined \$8.2 billion, or 21 percent, since 1993 due to lower prices. Historically, cattle production and the related herd size follow a multiyear cycle and indications are that cattle are in the downward phase of that cycle. As the largest of the animals produced in significant quantities in the U.S. agricultural sector, cattle have by far the longest gestation period and the longest growth stage in developing into an adult animal for marketing and breeding purposes. Texas led in cattle and calf receipts with \$5.3 billion, down \$1 billion (15 percent) from the prior year. Nebraska (\$4.1 billion) and Kansas (\$4 billion) were the second and third leading producers of cattle.

Dairy products were the number two commodity in cash sales, with California producers topping sales with over \$3.7 billion. Dairy sales rose a whopping \$637 million (21 percent) in 1996 alone, continuing a trend that has raised the State's sales \$1.1 billion (42 percent) in 5 years. This shift is significant both geographically in the replacement of production in the Lakes States and structurally in the production of milk to large operations. The rapid population growth in California and other adjacent States has created an explosion in the demand for dairy products sufficient to enable large dairies capable of achieving economies of scale to be cost competitive regionally. Wisconsin was second in dairy sales, falling considerably behind California in 1996, followed by Iowa.

Corn and soybeans were the third- and fourth-ranked commodities in the Nation, with Iowa and Illinois the undisputed leaders in sales of these commodities. Iowa's corn receipts were highest at \$4.3 billion, followed by Illinois with \$3.5 billion. Iowa also led in soybean sales of \$2.9 billion, followed by Illinois with \$2.8 billion for 1996. Broilers were the fifth-ranked commodity, with Georgia and Arkansas the leading producers, selling over \$2.1 billion each.

## **California, Texas, and Iowa Leading States in Cash Receipts**

The top 10 States in cash receipts for all commodities in 1996 were California, Texas, Iowa, Nebraska, Illinois, Minnesota, Kansas, North Carolina, Florida,

and Wisconsin (table 2-2). The share of total cash receipts derived from crop or livestock sales varied greatly among these 10 top-ranked States. California led the Nation in crop sales with \$17.1 billion, and was the top producing State for 8 of the sector's top 25 commodities: dairy products, greenhouse and nursery products, eggs, hay, grapes, tomatoes, lettuce, and almonds (table 2-2). California vaulted from third to first place in egg sales with a 27-percent rise in a single year. Eggs, like milk and other commodities in which California is a leading producer, are perishable and expensive to transport, because they are either bulky and/or require special handling, such as refrigeration. Three-quarters of California's farm sales were from crops; fruits and nuts equaled 27 percent, vegetables 23 percent, and greenhouse and nursery 10 percent. Florida's pattern of cash receipts is similar, with vegetables, fruits and nuts, and greenhouse and nursery accounting for 69 percent of agricultural sales. By contrast, 60 percent of Texas' cash receipts were from livestock, and two-thirds of that was cattle and calves. Over 8 percent of the Nation's livestock sales value was attributed to Texas. Iowa's cash receipts are mostly opposite those of Texas, as crops comprise 54 percent of the total and livestock 46 percent. Feed grains and oilseeds represented 56 percent of Iowa's sales, while hogs accounted for 23 percent. Iowa leads the Nation in both corn and hog sales.

The top 10 States ranked according to the value of crop sales—California, Iowa, Illinois, Texas, Florida, Minnesota, Nebraska, Washington, Indiana, and North Carolina (table 2-2)—represented 56 percent of the cash receipts earned from crop sales. High-valued fruits and vegetables were the major contributor to crop cash receipts in California, Florida, and Washington. Grains and oilseeds were the key components of cash receipts in Illinois, Iowa, Minnesota, Indiana, Ohio, and Kansas, which are a contiguous set of States located in the Nation's Corn Belt or "bread basket." The commodity mix of these and all other States is determined by comparative advantages. For example, these Corn Belt and "bread basket" States contain some of the Nation's most productive soil and receive adequate rainfall, but are too far north to produce most of the specialty crops, such as tobacco, cotton, and citrus. Texas and North Carolina were more dependent upon some of the specialty crops, particularly cotton, greenhouse/nursery, and tobacco.

Ranked by level of cash receipts earned from livestock, the top 10 States were Texas, California, Iowa,

Nebraska, Kansas, North Carolina, Wisconsin, Minnesota, Arkansas, and Georgia (table 2-2). Collectively, these States represented 53 percent of the Nation's livestock. Texas, Nebraska, and Kansas, ranked 1 through 3 in livestock receipts generated from cattle sales, accounting for 43 percent of total revenue from cattle and calves. Dairy receipts were the largest share for California and Wisconsin, which were number 1 and 2 in milk sales. Dairy production has surged in California and declined in Wisconsin. Large drylot operations, which are common in California and benefit from economies of both specialization and scale, have enabled the State's producers to gain a competitive edge. Hogs were a key component of livestock sales in Iowa, and have rapidly grown into the leading commodity for North Carolina. In 1975, North Carolina was 10th in cash receipts from hogs, accounting for 3 percent of the Nation's sales. By 1996, North Carolina was second in hog sales, representing 14 percent of the market. Broiler sales were most important in Georgia and Arkansas, and the second leading commodity in receipts for North Carolina.

Greenhouse and nursery production is one of the fastest growing segments of U.S. agriculture. In 1975, greenhouse and nursery products were 1.5 percent of farm sales. By 1996, they had reached 5.4 percent of total cash receipts. In 1996, greenhouse and nursery cash receipts ranked first in farm sector sales in six States (Alaska, Connecticut, Massachusetts, New Jersey, Oregon, Rhode Island). In all, greenhouse and nursery ranked as 1 of the top 5 commodities in agricultural sales for 25 States. A common characteristic is that most of these are coastal States, but the causality linking greenhouse/nursery production to the major bodies of water is the higher density of population in these areas. Greenhouse and nursery products tend to be bulky and perishable, making shipment over long distances costly.

### **Net Cash Income Also Up in Most States**

Net cash income rose in 41 of the 50 States, but in most cases, the rise was not as dramatic as the increase in net farm income. Net cash income is a measure of

solvency, in contrast to net farm income, which measures the net value of production. Net cash income is a measure of cash earning generated from the business that could be used to meet debt obligations and pay family living expenses for the year. Farmers are able to adopt strategies in managing their business activities to achieve specific cash-flow objectives, and the choice of strategy will depend on the production income scenario for the year. For example, farmers can adjust inventories to manage their cash income despite variability in production. Current year sales, not output, are the basis of net cash income.

In 1995, farmers had sold off stocks built up from their 1994 bumper crop, benefiting from higher prices associated with a substantial decline in crop production. Thus, farmers were able to maintain or increase cash receipts for major crops in 1995 despite a mediocre production year. With the rebound in crop production in 1996, farmers rebuilt crop inventories by \$4 billion, postponing sales into the next year, a strategy that frequently brings benefits in two forms: from prices that typically rebound from harvest lows in years when production is high and from smoothing their annual incomes to reduce income tax obligations under progressive tax rates.

Net cash income from farming was highest in California (\$6 billion) and exceeded \$2 billion in eight additional States: Iowa (\$4.4 billion), Texas (\$3.8 billion), North Carolina (\$3.4 billion), Minnesota (\$2.9 billion), Nebraska (\$2.8 billion), Georgia (\$2.4 billion), Arkansas (\$2.1 billion), and Illinois (\$2 billion). Net cash income was higher in all nine States, except Illinois, and it was down only because cash income was high in 1995, when farmers sold off huge inventories of corn carried over from the record 1994 crop. Cash income of Texas farmers was up in part from a selloff of its cattle herd, which represented a liquidation of assets rather than earnings from production. This effect of herd liquidation is removed from net farm income by an offsetting entry for the reduction in inventory. But it is net cash income available to pay debts and living expenses and is therefore appropriate for inclusion in a solvency measure.

Figure 2-1

**Top 20 States ranked by value of production, 1996**

\$ billion

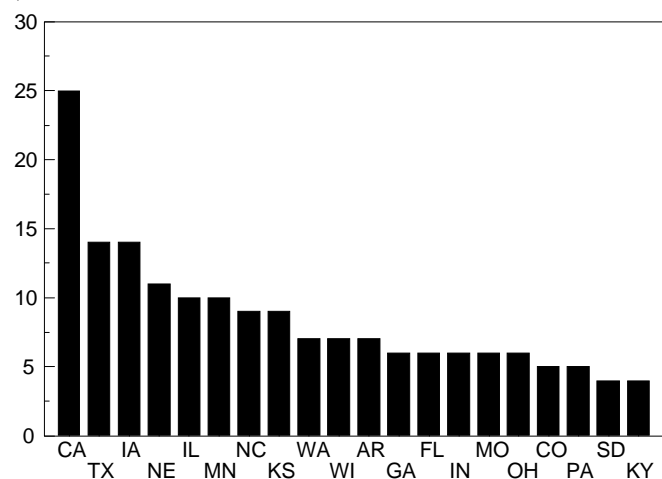


Figure 2-2

**Top 20 States ranked by value of production per acre, 1996**

Dollars per acre

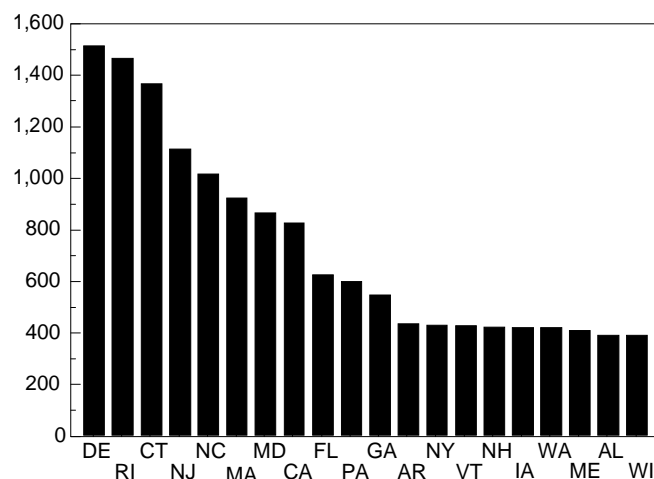


Figure 2-3

**Top 20 States ranked by net farm income, 1996**

\$ billion

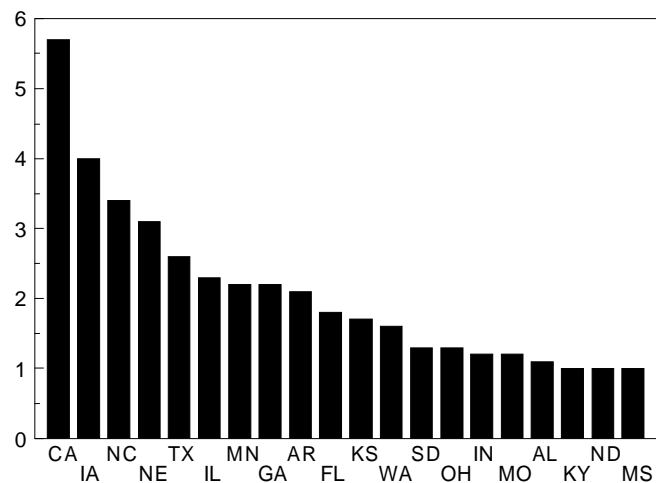


Figure 2-4

**Top 20 States ranked by net farm income per acre, 1996**

Dollars per acre

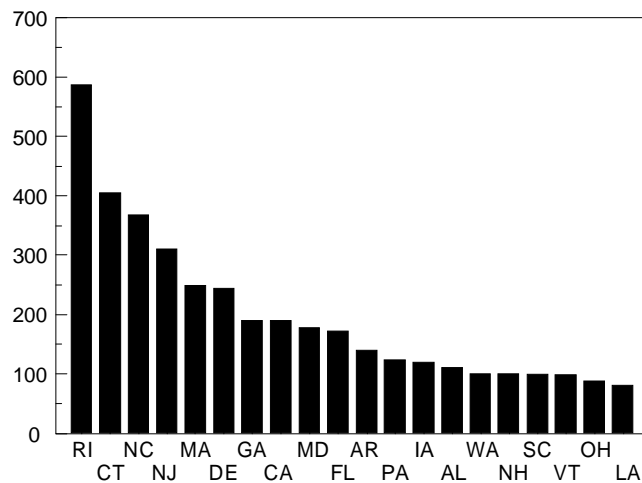


Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96<sup>1</sup>

| Item  | Alabama   |           |           |           |           | Alaska |        |        |        |        |
|---|-----------|-----------|-----------|-----------|-----------|--------|--------|--------|--------|--------|
|   | 1992      | 1993      | 1994      | 1995      | 1996      | 1992   | 1993   | 1994   | 1995   | 1996   |
| <i>Thousand dollars</i>                         |           |           |           |           |           |        |        |        |        |        |
| Final crop output                               | 781,861   | 687,710   | 831,256   | 658,305   | 869,748   | 19,729 | 20,894 | 21,863 | 23,908 | 23,333 |
| Food grains                                     | 12,958    | 9,806     | 13,393    | 11,361    | 17,141    | 0      | 0      | 0      | 0      | 0      |
| Feed crops                                      | 58,011    | 50,161    | 58,770    | 56,278    | 70,571    | 1,903  | 2,386  | 2,828  | 3,421  | 2,068  |
| Cotton  | 174,638   | 164,858   | 250,681   | 167,386   | 260,436   | 0      | 0      | 0      | 0      | 0      |
| Oil crops                                       | 221,700   | 191,152   | 193,680   | 175,471   | 172,484   | 0      | 0      | 0      | 0      | 0      |
| Tobacco   | 1,282     | 1,305     | 968       | 1,293     | 1,371     | 0      | 0      | 0      | 0      | 0      |
| Fruits and tree nuts                            | 16,644    | 26,114    | 15,860    | 22,494    | 16,638    | 0      | 0      | 0      | 0      | 0      |
| Vegetables                                      | 72,970    | 79,249    | 83,315    | 85,903    | 73,792    | 2,573  | 3,102  | 2,898  | 3,556  | 3,029  |
| All other crops                                 | 206,413   | 205,386   | 185,117   | 185,062   | 198,204   | 15,223 | 15,389 | 16,119 | 16,905 | 18,213 |
| Home consumption                                | 2,521     | 1,514     | 1,600     | 2,366     | 2,076     | 30     | 17     | 18     | 26     | 23     |
| Value of inventory adjustment <sup>2</sup>      | 14,724    | -41,835   | 27,872    | -49,309   | 57,035    | 0      | 0      | 0      | 0      | 0      |
| Final animal output                             | 1,970,557 | 2,169,849 | 2,214,360 | 2,153,954 | 2,301,515 | 6,690  | 6,763  | 6,805  | 6,178  | 6,629  |
| Meat animals                                    | 476,767   | 429,649   | 366,901   | 374,601   | 358,043   | 931    | 825    | 915    | 793    | 1,043  |
| Dairy products                                  | 72,500    | 72,562    | 72,912    | 66,920    | 70,520    | 2,391  | 2,318  | 2,465  | 2,323  | 2,608  |
| Poultry and eggs                                | 1,368,509 | 1,577,222 | 1,658,173 | 1,663,476 | 1,869,708 | 75     | 80     | 73     | 78     | 77     |
| Miscellaneous livestock                         | 44,879    | 49,631    | 51,564    | 61,597    | 64,687    | 2,639  | 2,699  | 2,592  | 2,626  | 2,380  |
| Home consumption                                | 3,658     | 3,109     | 2,836     | 2,404     | 2,330     | 534    | 221    | 165    | 240    | 257    |
| Value of inventory adjustment <sup>2</sup>      | 4,244     | 37,676    | 61,974    | -15,044   | -63,773   | 120    | 620    | 595    | 118    | 264    |
| Services and forestry                           | 489,038   | 532,370   | 608,041   | 660,886   | 659,727   | 4,417  | 4,438  | 4,262  | 4,513  | 5,017  |
| Machine hire and customwork                     | 19,977    | 18,817    | 24,957    | 31,069    | 37,068    | 225    | 235    | 261    | 243    | 271    |
| Forest products sold                            | 116,000   | 135,000   | 180,000   | 188,000   | 157,000   | 20     | 43     | 45     | 58     | 67     |
| Other farm income                               | 213,796   | 217,051   | 206,469   | 230,788   | 241,586   | 1,205  | 1,333  | 1,191  | 1,434  | 1,724  |
| Gross imputed rental value of farm dwellings    | 139,265   | 161,502   | 196,615   | 211,029   | 224,073   | 2,967  | 2,827  | 2,765  | 2,778  | 2,955  |
| Final agricultural sector output                | 3,241,456 | 3,389,929 | 3,653,657 | 3,473,145 | 3,830,990 | 30,836 | 32,095 | 32,930 | 34,599 | 34,979 |
| less: Intermediate consumption outlays          | 1,651,641 | 1,780,589 | 1,836,079 | 1,933,809 | 2,104,267 | 10,957 | 11,256 | 11,927 | 12,571 | 13,324 |
| Farm origin                                     | 786,384   | 799,107   | 819,373   | 836,206   | 960,622   | 2,617  | 2,520  | 2,714  | 2,812  | 3,598  |
| Feed purchased                                  | 548,783   | 581,766   | 591,382   | 614,950   | 742,174   | 1,586  | 1,575  | 1,777  | 1,761  | 2,197  |
| Livestock and poultry purchased                 | 184,497   | 161,628   | 172,195   | 161,833   | 152,259   | 314    | 191    | 152    | 253    | 508    |
| Seed purchased                                  | 53,104    | 55,713    | 55,796    | 59,423    | 66,189    | 717    | 754    | 785    | 798    | 893    |
| Manufactured inputs                             | 264,779   | 291,493   | 278,171   | 302,483   | 309,369   | 2,883  | 2,867  | 2,949  | 3,196  | 3,368  |
| Fertilizers and lime                            | 112,150   | 122,880   | 118,556   | 119,763   | 128,575   | 1,173  | 1,127  | 1,201  | 1,356  | 1,404  |
| Pesticides                                      | 65,450    | 76,833    | 75,565    | 84,015    | 89,544    | 231    | 239    | 257    | 275    | 304    |
| Petroleum fuel and oils                         | 66,855    | 67,770    | 62,785    | 69,277    | 72,459    | 1,070  | 1,081  | 1,070  | 1,099  | 1,158  |
| Electricity                                     | 20,324    | 24,010    | 21,265    | 29,428    | 18,791    | 409    | 420    | 421    | 466    | 502    |
| Other intermediate expenses                     | 600,477   | 689,990   | 738,535   | 795,120   | 834,275   | 5,457  | 5,869  | 6,264  | 6,563  | 6,358  |
| Repair and maintenance of capital items         | 135,102   | 162,291   | 161,918   | 171,932   | 188,272   | 2,529  | 2,627  | 2,498  | 2,555  | 2,773  |
| Machine hire and customwork                     | 44,776    | 36,912    | 46,966    | 49,365    | 67,269    | 182    | 211    | 229    | 233    | 219    |
| Marketing, storage, and transportation expenses | 69,713    | 120,469   | 129,255   | 133,235   | 178,759   | 682    | 852    | 1,050  | 1,136  | 991    |
| Contract labor                                  | 7,416     | 7,878     | 8,933     | 12,449    | 16,231    | 155    | 160    | 163    | 178    | 193    |
| Miscellaneous expenses                          | 343,470   | 362,440   | 391,463   | 428,139   | 383,744   | 1,909  | 2,019  | 2,324  | 2,461  | 2,182  |
| plus: Net government transactions               | 86,034    | 109,425   | 57,518    | 20,313    | 44,340    | 369    | 449    | -68    | 259    | -246   |
| + Direct government payments                    | 119,132   | 137,240   | 89,337    | 53,432    | 75,550    | 1,694  | 1,789  | 1,348  | 1,735  | 1,258  |
| - Motor vehicle registration and licensing fees | 4,244     | 4,771     | 7,006     | 7,649     | 5,034     | 104    | 104    | 118    | 131    | 120    |
| - Property taxes                                | 28,854    | 23,044    | 24,813    | 25,470    | 26,176    | 1,221  | 1,236  | 1,298  | 1,345  | 1,384  |
| Gross value added                               | 1,675,849 | 1,718,765 | 1,875,096 | 1,559,649 | 1,771,063 | 20,247 | 21,289 | 20,935 | 22,287 | 21,410 |
| less: Capital consumption                       | 269,471   | 281,841   | 294,776   | 302,478   | 302,273   | 5,430  | 5,208  | 5,019  | 4,991  | 5,007  |
| Net value added                                 | 1,406,378 | 1,436,924 | 1,580,320 | 1,257,171 | 1,468,790 | 14,817 | 16,081 | 15,916 | 17,296 | 16,403 |
| less: Factor payments                           | 318,117   | 351,669   | 376,954   | 392,356   | 394,675   | 6,741  | 6,076  | 7,546  | 6,101  | 6,075  |
| Employee compensation (total hired labor)       | 105,827   | 125,364   | 118,222   | 124,217   | 126,539   | 3,876  | 3,853  | 3,887  | 3,887  | 3,900  |
| Net rent received by nonoperator landlords      | 99,557    | 106,071   | 130,563   | 135,917   | 125,556   | 882    | 1,012  | 986    | 1,044  | 966    |
| Real estate and nonreal estate interest         | 112,733   | 120,234   | 128,169   | 132,222   | 142,580   | 1,983  | 1,211  | 2,707  | 1,170  | 1,209  |
| Net farm income                                 | 1,088,261 | 1,085,255 | 1,203,366 | 864,815   | 1,074,115 | 8,076  | 10,005 | 8,370  | 11,195 | 10,328 |

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96<sup>1</sup>—Continued

| Item  | Arizona   |           |           |           |           | Arkansas  |           |           |           |           |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|   | 1992      | 1993      | 1994      | 1995      | 1996      | 1992      | 1993      | 1994      | 1995      | 1996      |
| <i>Thousand dollars</i>                         |           |           |           |           |           |           |           |           |           |           |
| Final crop output                               | 877,397   | 1,026,939 | 1,017,544 | 1,338,718 | 1,330,857 | 1,940,603 | 1,437,703 | 2,167,739 | 2,008,810 | 2,705,306 |
| Food grains                                     | 29,730    | 28,156    | 45,363    | 47,686    | 81,358    | 662,060   | 362,091   | 811,168   | 683,791   | 940,080   |
| Feed crops                                      | 47,210    | 74,526    | 87,959    | 78,025    | 110,626   | 121,377   | 83,162    | 99,936    | 102,733   | 148,071   |
| Cotton  | 297,434   | 286,947   | 342,444   | 297,965   | 341,055   | 539,187   | 379,995   | 557,577   | 590,473   | 624,783   |
| Oil crops                                       | 6,041     | 5,952     | 7,033     | 4,402     | 4,146     | 561,984   | 572,068   | 719,423   | 627,118   | 763,497   |
| Tobacco   | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| Fruits and tree nuts                            | 146,362   | 130,963   | 119,103   | 113,006   | 120,309   | 10,088    | 11,592    | 10,031    | 14,397    | 10,135    |
| Vegetables                                      | 312,966   | 426,010   | 361,539   | 718,880   | 554,637   | 24,582    | 18,756    | 24,419    | 26,076    | 19,820    |
| All other crops                                 | 71,998    | 80,059    | 86,279    | 86,801    | 95,459    | 28,228    | 26,939    | 27,211    | 23,490    | 23,777    |
| Home consumption                                | 411       | 244       | 257       | 373       | 327       | 2,466     | 1,481     | 1,530     | 2,165     | 1,899     |
| Value of inventory adjustment <sup>2</sup>      | -34,755   | -5,918    | -32,433   | -8,420    | 22,940    | -9,369    | -18,381   | -83,556   | -61,433   | 173,244   |
| Final animal output                             | 892,770   | 912,657   | 794,492   | 805,250   | 815,704   | 2,721,368 | 2,995,503 | 3,209,090 | 3,014,104 | 3,349,230 |
| Meat animals                                    | 612,436   | 624,308   | 479,480   | 470,295   | 427,213   | 514,997   | 503,375   | 523,500   | 467,136   | 438,768   |
| Dairy products                                  | 236,607   | 244,970   | 278,506   | 284,288   | 356,990   | 106,057   | 101,592   | 101,748   | 98,394    | 107,680   |
| Poultry and eggs                                | 3,758     | 3,952     | 3,602     | 4,104     | 4,186     | 2,008,754 | 2,202,270 | 2,420,426 | 2,343,688 | 2,687,575 |
| Miscellaneous livestock                         | 43,697    | 45,091    | 42,755    | 51,539    | 50,438    | 80,211    | 93,419    | 99,077    | 112,350   | 122,600   |
| Home consumption                                | 4,178     | 4,097     | 4,905     | 5,067     | 3,552     | 7,561     | 7,203     | 4,823     | 3,954     | 3,409     |
| Value of inventory adjustment <sup>2</sup>      | -7,906    | -9,761    | -14,756   | -10,043   | -26,675   | 3,788     | 87,644    | 59,516    | -11,418   | -10,802   |
| Services and forestry                           | 108,805   | 120,108   | 125,767   | 142,071   | 167,596   | 356,428   | 399,176   | 422,562   | 452,107   | 479,617   |
| Machine hire and customwork                     | 16,314    | 16,995    | 18,197    | 17,703    | 17,166    | 29,735    | 29,735    | 42,516    | 23,620    | 24,932    |
| Forest products sold                            | 8,496     | 8,900     | 7,143     | 7,143     | 9,072     | 7,900     | 9,100     | 10,700    | 10,000    | 10,000    |
| Other farm income                               | 32,665    | 39,002    | 33,443    | 41,256    | 58,135    | 204,867   | 234,624   | 225,506   | 271,354   | 294,957   |
| Gross imputed rental value of farm dwellings    | 51,330    | 55,211    | 62,476    | 75,969    | 83,223    | 113,926   | 125,717   | 143,840   | 147,133   | 149,728   |
| Final agricultural sector output                | 1,878,972 | 2,059,704 | 1,937,803 | 2,286,039 | 2,314,156 | 5,018,399 | 4,832,382 | 5,799,391 | 5,475,021 | 6,534,153 |
| less: Intermediate consumption outlays          | 905,591   | 996,063   | 1,053,620 | 1,121,295 | 1,131,564 | 2,935,501 | 3,199,975 | 3,409,858 | 3,233,825 | 3,579,842 |
| Farm origin                                     | 379,399   | 413,370   | 385,417   | 405,283   | 399,010   | 1,338,101 | 1,492,653 | 1,549,700 | 1,387,249 | 1,526,591 |
| Feed purchased                                  | 128,319   | 140,571   | 169,064   | 213,163   | 237,491   | 950,728   | 1,097,824 | 1,145,174 | 1,025,852 | 1,135,942 |
| Livestock and poultry purchased                 | 225,254   | 245,213   | 183,994   | 161,177   | 127,441   | 293,956   | 301,719   | 304,624   | 273,326   | 284,613   |
| Seed purchased                                  | 25,826    | 27,586    | 32,359    | 30,943    | 34,078    | 93,417    | 93,110    | 99,902    | 88,071    | 106,036   |
| Manufactured inputs                             | 175,101   | 180,426   | 217,452   | 228,721   | 253,943   | 608,398   | 607,122   | 603,488   | 638,809   | 719,493   |
| Fertilizers and lime                            | 46,634    | 48,153    | 62,438    | 66,318    | 73,092    | 180,875   | 183,356   | 193,143   | 207,716   | 259,249   |
| Pesticides                                      | 60,820    | 66,985    | 78,316    | 82,362    | 89,884    | 224,954   | 216,313   | 222,897   | 210,895   | 229,926   |
| Petroleum fuel and oils                         | 38,133    | 37,384    | 41,498    | 41,696    | 46,443    | 145,584   | 146,690   | 139,940   | 139,284   | 153,560   |
| Electricity                                     | 29,514    | 27,904    | 35,200    | 38,345    | 44,524    | 56,985    | 60,763    | 47,508    | 80,914    | 76,758    |
| Other intermediate expenses                     | 351,091   | 402,267   | 450,751   | 487,291   | 478,611   | 989,002   | 1,100,200 | 1,256,670 | 1,207,767 | 1,333,758 |
| Repair and maintenance of capital items         | 49,988    | 50,717    | 57,211    | 54,945    | 61,652    | 184,845   | 190,959   | 175,272   | 171,331   | 210,696   |
| Machine hire and customwork                     | 87,505    | 97,811    | 100,283   | 115,351   | 97,512    | 165,441   | 180,373   | 209,214   | 165,473   | 220,712   |
| Marketing, storage, and transportation expenses | 30,154    | 52,919    | 56,147    | 64,782    | 54,752    | 195,267   | 251,455   | 326,517   | 271,555   | 304,214   |
| Contract labor                                  | 35,965    | 36,782    | 33,666    | 50,171    | 60,606    | 18,849    | 16,211    | 17,398    | 28,678    | 14,258    |
| Miscellaneous expenses                          | 147,479   | 164,038   | 203,444   | 202,042   | 204,089   | 424,600   | 461,202   | 528,269   | 570,730   | 583,878   |
| plus: Net government transactions               | 46,617    | 82,657    | 36,065    | -28,863   | 18,249    | 348,545   | 633,400   | 226,008   | 304,456   | 280,516   |
| + Direct government payments                    | 75,580    | 113,878   | 72,125    | 9,456     | 57,993    | 410,026   | 704,667   | 302,809   | 383,199   | 361,818   |
| - Motor vehicle registration and licensing fees | 1,867     | 2,208     | 2,892     | 2,382     | 2,787     | 4,803     | 5,310     | 3,865     | 4,521     | 4,865     |
| - Property taxes                                | 27,096    | 29,013    | 33,168    | 35,937    | 36,957    | 56,678    | 65,957    | 72,936    | 74,222    | 76,437    |
| Gross value added                               | 1,019,998 | 1,146,297 | 920,248   | 1,135,881 | 1,200,842 | 2,431,443 | 2,265,807 | 2,615,541 | 2,545,652 | 3,234,827 |
| less: Capital consumption                       | 83,163    | 82,904    | 85,094    | 89,056    | 91,735    | 324,626   | 330,525   | 334,651   | 331,940   | 329,273   |
| Net value added                                 | 936,835   | 1,063,393 | 835,154   | 1,046,825 | 1,109,107 | 2,106,817 | 1,935,282 | 2,280,890 | 2,213,712 | 2,905,554 |
| less: Factor payments                           | 294,656   | 298,315   | 365,936   | 386,067   | 387,488   | 794,195   | 797,257   | 785,041   | 729,689   | 804,378   |
| Employee compensation (total hired labor)       | 144,319   | 177,840   | 232,712   | 243,613   | 240,321   | 234,176   | 250,742   | 227,353   | 198,312   | 226,433   |
| Net rent received by nonoperator landlords      | 27,155    | 27,469    | 32,814    | 35,253    | 42,687    | 308,713   | 283,352   | 280,040   | 243,426   | 270,177   |
| Real estate and nonreal estate interest         | 123,182   | 93,006    | 100,410   | 107,201   | 104,480   | 251,306   | 263,163   | 277,648   | 287,951   | 307,768   |
| Net farm income                                 | 642,179   | 765,078   | 469,218   | 660,758   | 721,619   | 1,312,622 | 1,138,025 | 1,495,849 | 1,484,023 | 2,101,176 |

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96<sup>1</sup>—Continued

| Item  | California |            |            |            |            | Colorado  |           |           |           |           |
|---|------------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|
|   | 1992       | 1993       | 1994       | 1995       | 1996       | 1992      | 1993      | 1994      | 1995      | 1996      |
| <i>Thousand dollars</i>                         |            |            |            |            |            |           |           |           |           |           |
| Final crop output                               | 13,714,029 | 15,113,338 | 15,998,347 | 16,706,096 | 17,237,493 | 1,020,420 | 1,201,083 | 1,296,002 | 1,411,443 | 1,511,368 |
| Food grains                                     | 391,020    | 267,409    | 551,142    | 410,996    | 568,025    | 216,382   | 261,040   | 299,196   | 417,920   | 391,596   |
| Feed crops                                      | 558,125    | 614,405    | 741,438    | 671,272    | 713,442    | 438,775   | 424,922   | 484,380   | 509,322   | 551,284   |
| Cotton  | 1,129,663  | 1,050,028  | 1,219,967  | 1,323,382  | 1,190,503  | 0         | 0         | 0         | 0         | 0         |
| Oil crops                                       | 33,169     | 62,844     | 63,052     | 56,202     | 60,568     | 7,734     | 11,482    | 12,854    | 13,218    | 15,092    |
| Tobacco   | 0          | 0          | 0          | 0          | 0          | 0         | 0         | 0         | 0         | 0         |
| Fruits and tree nuts                            | 5,400,407  | 5,743,184  | 5,716,612  | 5,962,591  | 6,369,767  | 18,710    | 22,051    | 21,780    | 20,292    | 17,263    |
| Vegetables                                      | 4,059,426  | 4,831,802  | 5,217,683  | 5,883,836  | 5,474,485  | 198,836   | 333,919   | 304,186   | 275,477   | 287,913   |
| All other crops                                 | 2,367,030  | 2,382,466  | 2,560,537  | 2,665,047  | 2,719,400  | 150,234   | 156,510   | 164,548   | 177,621   | 207,164   |
| Home consumption                                | 4,494      | 2,600      | 2,748      | 4,027      | 3,534      | 1,398     | 839       | 880       | 1,259     | 1,104     |
| Value of inventory adjustment <sup>2</sup>      | -229,305   | 158,600    | -74,832    | -271,257   | 137,769    | -11,649   | -9,680    | 8,178     | -3,666    | 39,952    |
| Final animal output                             | 5,144,912  | 5,381,062  | 5,571,964  | 5,515,943  | 6,182,293  | 2,798,385 | 3,034,738 | 2,733,877 | 2,841,119 | 2,800,291 |
| Meat animals                                    | 1,532,068  | 1,714,197  | 1,528,089  | 1,394,572  | 1,259,884  | 2,452,888 | 2,668,409 | 2,412,908 | 2,375,542 | 2,360,673 |
| Dairy products                                  | 2,609,667  | 2,663,209  | 2,967,085  | 3,079,740  | 3,717,116  | 189,386   | 189,285   | 214,160   | 206,240   | 245,769   |
| Poultry and eggs                                | 873,557    | 874,988    | 874,611    | 932,903    | 1,096,499  | 95,746    | 107,204   | 106,957   | 126,616   | 115,965   |
| Miscellaneous livestock                         | 84,718     | 129,102    | 118,925    | 142,079    | 139,837    | 26,592    | 27,511    | 30,144    | 34,172    | 36,728    |
| Home consumption                                | 18,806     | 20,918     | 12,882     | 11,747     | 10,067     | 5,436     | 5,934     | 7,209     | 5,944     | 5,617     |
| Value of inventory adjustment <sup>2</sup>      | 26,096     | -21,352    | 70,372     | -45,098    | -41,110    | 28,337    | 36,395    | -37,501   | 92,605    | 35,539    |
| Services and forestry                           | 1,029,160  | 1,135,806  | 1,147,610  | 1,150,161  | 1,368,869  | 276,052   | 313,703   | 334,384   | 377,259   | 429,159   |
| Machine hire and customwork                     | 287,972    | 325,757    | 324,013    | 250,961    | 385,708    | 50,815    | 52,939    | 56,682    | 55,142    | 53,470    |
| Forest products sold                            | 9,077      | 25,052     | 12,011     | 9,320      | 9,500      | 800       | 750       | 750       | 700       | 680       |
| Other farm income                               | 188,733    | 236,186    | 197,444    | 253,703    | 301,332    | 99,286    | 116,540   | 105,820   | 131,650   | 175,576   |
| Gross imputed rental value of farm dwellings    | 543,378    | 548,811    | 614,142    | 636,177    | 672,329    | 125,151   | 143,474   | 171,132   | 189,767   | 199,433   |
| Final agricultural sector output                | 19,888,101 | 21,630,206 | 22,717,921 | 23,372,200 | 24,788,655 | 4,094,857 | 4,549,524 | 4,364,263 | 4,629,821 | 4,740,818 |
| less: Intermediate consumption outlays          | 9,165,376  | 10,347,894 | 10,925,699 | 12,135,757 | 12,025,152 | 2,688,115 | 2,909,115 | 2,963,876 | 3,056,645 | 2,957,192 |
| Farm origin                                     | 2,538,115  | 2,890,815  | 2,851,569  | 3,170,489  | 3,136,250  | 1,804,837 | 1,922,007 | 1,759,740 | 1,845,222 | 1,710,531 |
| Feed purchased                                  | 1,661,748  | 1,961,623  | 1,924,800  | 2,180,748  | 2,109,505  | 420,109   | 443,926   | 499,912   | 639,448   | 659,532   |
| Livestock and poultry purchased                 | 486,617    | 511,803    | 527,918    | 517,278    | 492,780    | 1,316,677 | 1,405,394 | 1,174,565 | 1,124,241 | 961,206   |
| Seed purchased                                  | 389,750    | 417,389    | 398,851    | 472,463    | 533,965    | 68,051    | 72,687    | 85,263    | 81,533    | 89,793    |
| Manufactured inputs                             | 2,195,377  | 2,208,645  | 2,324,489  | 2,605,901  | 2,919,748  | 279,112   | 289,401   | 349,322   | 366,559   | 409,247   |
| Fertilizers and lime                            | 572,266    | 593,582    | 665,736    | 773,346    | 803,532    | 75,773    | 86,477    | 112,133   | 119,100   | 131,267   |
| Pesticides                                      | 724,505    | 754,616    | 779,352    | 881,162    | 965,050    | 47,917    | 52,774    | 61,701    | 64,889    | 70,816    |
| Petroleum fuel and oils                         | 389,538    | 395,913    | 369,553    | 380,875    | 423,380    | 93,467    | 91,575    | 101,597   | 102,076   | 113,700   |
| Electricity                                     | 509,068    | 464,534    | 509,848    | 570,518    | 727,786    | 61,955    | 58,575    | 73,891    | 80,494    | 93,464    |
| Other intermediate expenses                     | 4,431,884  | 5,248,434  | 5,749,641  | 6,359,367  | 5,969,154  | 604,166   | 697,707   | 854,814   | 844,864   | 837,414   |
| Repair and maintenance of capital items         | 614,374    | 702,992    | 645,386    | 702,861    | 759,311    | 136,409   | 137,509   | 162,508   | 159,850   | 170,100   |
| Machine hire and customwork                     | 682,471    | 792,989    | 879,881    | 809,209    | 843,616    | 72,866    | 78,078    | 80,467    | 99,729    | 69,566    |
| Marketing, storage, and transportation expenses | 962,034    | 1,101,985  | 1,548,386  | 1,639,427  | 1,386,666  | 63,290    | 113,989   | 122,681   | 124,832   | 107,887   |
| Contract labor                                  | 832,171    | 914,809    | 901,656    | 960,148    | 927,466    | 12,862    | 13,154    | 12,039    | 17,942    | 21,674    |
| Miscellaneous expenses                          | 1,340,834  | 1,735,659  | 1,774,332  | 2,247,722  | 2,052,095  | 318,739   | 354,977   | 477,119   | 442,511   | 468,187   |
| plus: Net government transactions               | -26,934    | 34,111     | -274,470   | -350,127   | -296,938   | 117,730   | 157,655   | 69,574    | 54,040    | 58,905    |
| + Direct government payments                    | 430,382    | 522,146    | 272,678    | 237,670    | 295,460    | 203,234   | 250,253   | 176,967   | 166,963   | 176,101   |
| - Motor vehicle registration and licensing fees | 30,780     | 32,935     | 40,595     | 49,791     | 42,346     | 8,181     | 9,804     | 12,742    | 10,369    | 11,730    |
| - Property taxes                                | 426,536    | 455,100    | 506,553    | 538,006    | 550,052    | 77,323    | 82,794    | 94,651    | 102,554   | 105,466   |
| Gross value added                               | 10,695,791 | 11,316,423 | 11,517,752 | 10,886,317 | 12,466,565 | 1,524,472 | 1,798,064 | 1,469,961 | 1,627,216 | 1,842,531 |
| less: Capital consumption                       | 938,092    | 915,427    | 919,809    | 935,798    | 947,040    | 287,025   | 295,990   | 306,133   | 309,798   | 308,630   |
| Net value added                                 | 9,757,699  | 10,400,996 | 10,597,943 | 9,950,518  | 11,519,525 | 1,237,447 | 1,502,074 | 1,163,828 | 1,317,418 | 1,533,901 |
| less: Factor payments                           | 4,452,154  | 4,578,900  | 4,773,127  | 5,305,981  | 5,856,541  | 486,023   | 486,582   | 591,775   | 681,189   | 690,366   |
| Employee compensation (total hired labor)       | 2,887,139  | 3,044,222  | 3,105,561  | 3,570,605  | 3,979,121  | 158,894   | 195,801   | 256,213   | 268,216   | 264,592   |
| Net rent received by nonoperator landlords      | 573,233    | 529,993    | 575,184    | 550,019    | 628,580    | 85,399    | 73,585    | 89,889    | 141,129   | 154,826   |
| Real estate and nonreal estate interest         | 991,782    | 1,004,685  | 1,092,382  | 1,185,357  | 1,248,840  | 241,730   | 217,196   | 245,673   | 271,844   | 270,948   |
| Net farm income                                 | 5,305,545  | 5,822,096  | 5,824,816  | 4,644,537  | 5,662,985  | 751,424   | 1,015,492 | 572,053   | 636,229   | 843,535   |

See footnotes at end of table.

Continued—

**Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96<sup>1</sup>—Continued**

| Item  | Connecticut |         |         |         |         | Delaware |         |         |         |         |
|---|-------------|---------|---------|---------|---------|----------|---------|---------|---------|---------|
|   | 1992        | 1993    | 1994    | 1995    | 1996    | 1992     | 1993    | 1994    | 1995    | 1996    |
| <i>Thousand dollars</i>                         |             |         |         |         |         |          |         |         |         |         |
| Final crop output                               | 204,890     | 211,034 | 229,997 | 227,687 | 227,043 | 160,592  | 137,871 | 164,655 | 150,680 | 199,189 |
| Food grains                                     | 0           | 0       | 0       | 0       | 0       | 10,905   | 10,105  | 11,821  | 17,005  | 18,117  |
| Feed crops                                      | 4,559       | 4,045   | 4,669   | 4,613   | 4,397   | 27,470   | 21,254  | 23,593  | 26,580  | 39,230  |
| Cotton  | 0           | 0       | 0       | 0       | 0       | 0        | 0       | 0       | 0       | 0       |
| Oil crops                                       | 0           | 0       | 0       | 0       | 0       | 37,438   | 30,779  | 36,557  | 28,271  | 40,953  |
| Tobacco   | 30,075      | 21,310  | 24,861  | 4,294   | 7,623   | 0        | 0       | 0       | 0       | 0       |
| Fruits and tree nuts                            | 16,169      | 15,093  | 15,189  | 14,383  | 15,037  | 4,221    | 4,305   | 4,853   | 3,316   | 4,183   |
| Vegetables                                      | 21,608      | 24,763  | 24,941  | 24,614  | 26,763  | 42,281   | 39,768  | 37,255  | 47,896  | 43,528  |
| All other crops                                 | 140,224     | 148,310 | 154,582 | 182,559 | 198,593 | 37,538   | 38,345  | 40,512  | 38,612  | 37,569  |
| Home consumption                                | 219         | 125     | 132     | 191     | 168     | 148      | 82      | 87      | 126     | 110     |
| Value of inventory adjustment <sup>2</sup>      | -7,964      | -2,612  | 5,623   | -2,967  | -25,538 | 591      | -6,767  | 9,977   | -11,126 | 15,499  |
| Final animal output                             | 255,646     | 269,227 | 253,889 | 224,380 | 238,684 | 450,491  | 464,547 | 506,367 | 519,870 | 569,950 |
| Meat animals                                    | 16,758      | 18,951  | 16,077  | 15,089  | 13,248  | 9,639    | 14,822  | 9,942   | 7,102   | 9,782   |
| Dairy products                                  | 76,319      | 74,477  | 74,562  | 72,208  | 78,970  | 19,208   | 19,564  | 19,454  | 19,008  | 21,114  |
| Poultry and eggs                                | 90,805      | 107,368 | 100,966 | 72,073  | 76,178  | 417,087  | 429,266 | 472,606 | 487,439 | 539,137 |
| Miscellaneous livestock                         | 68,132      | 68,137  | 61,944  | 68,326  | 68,304  | 3,323    | 3,342   | 3,370   | 3,404   | 3,423   |
| Home consumption                                | 1,126       | 1,322   | 1,333   | 1,197   | 1,070   | 1,340    | 1,469   | 1,415   | 1,185   | 1,139   |
| Value of inventory adjustment <sup>2</sup>      | 2,506       | -1,028  | -993    | -4,513  | 914     | -106     | -3,916  | -420    | 1,732   | -4,645  |
| Services and forestry                           | 52,112      | 54,655  | 55,859  | 56,536  | 54,661  | 65,838   | 71,017  | 74,611  | 84,290  | 86,307  |
| Machine hire and customwork                     | 1,820       | 1,868   | 1,966   | 2,017   | 1,969   | 2,910    | 2,987   | 3,144   | 3,225   | 3,148   |
| Forest products sold                            | 1,810       | 1,605   | 1,165   | 1,925   | 2,770   | 2,910    | 2,987   | 3,144   | 3,225   | 3,148   |
| Other farm income                               | 10,315      | 10,329  | 10,694  | 10,790  | 7,646   | 46,983   | 50,454  | 51,299  | 59,644  | 60,658  |
| Gross imputed rental value of farm dwellings    | 38,167      | 40,853  | 42,034  | 41,804  | 43,821  | 13,175   | 15,101  | 17,693  | 18,941  | 20,021  |
| Final agricultural sector output                | 512,648     | 534,916 | 539,745 | 508,603 | 520,389 | 676,921  | 673,435 | 745,633 | 754,840 | 855,446 |
| less: Intermediate consumption outlays          | 180,380     | 186,363 | 196,698 | 200,201 | 191,962 | 460,660  | 467,608 | 519,081 | 557,298 | 609,425 |
| Farm origin                                     | 59,955      | 61,035  | 58,732  | 64,095  | 60,534  | 282,583  | 283,571 | 302,639 | 320,325 | 378,066 |
| Feed purchased                                  | 47,467      | 48,407  | 45,789  | 50,224  | 45,230  | 219,356  | 220,650 | 235,234 | 251,444 | 309,275 |
| Livestock and poultry purchased                 | 5,021       | 5,134   | 4,385   | 3,932   | 3,821   | 51,534   | 51,186  | 54,003  | 53,316  | 50,809  |
| Seed purchased                                  | 7,467       | 7,494   | 8,558   | 9,939   | 11,483  | 11,693   | 11,735  | 13,402  | 15,565  | 17,982  |
| Manufactured inputs                             | 32,741      | 32,131  | 34,763  | 38,247  | 37,640  | 52,456   | 48,645  | 54,115  | 60,388  | 57,851  |
| Fertilizers and lime                            | 12,033      | 11,061  | 12,542  | 13,755  | 13,531  | 21,543   | 18,179  | 20,422  | 22,540  | 22,014  |
| Pesticides                                      | 4,617       | 4,305   | 5,191   | 5,990   | 5,267   | 15,648   | 14,591  | 17,594  | 20,301  | 17,852  |
| Petroleum fuel and oils                         | 9,245       | 9,601   | 9,573   | 10,559  | 11,294  | 9,603    | 9,950   | 9,932   | 10,978  | 11,742  |
| Electricity                                     | 6,846       | 7,164   | 7,457   | 7,943   | 7,548   | 5,662    | 5,925   | 6,167   | 6,569   | 6,243   |
| Other intermediate expenses                     | 87,684      | 93,197  | 103,203 | 97,859  | 93,788  | 125,621  | 135,392 | 162,327 | 176,585 | 173,508 |
| Repair and maintenance of capital items         | 22,829      | 22,626  | 22,838  | 20,677  | 21,108  | 15,103   | 15,282  | 16,630  | 15,563  | 15,255  |
| Machine hire and customwork                     | 1,846       | 2,230   | 2,985   | 3,944   | 2,888   | 3,303    | 3,991   | 5,342   | 7,059   | 5,168   |
| Marketing, storage, and transportation expenses | 15,324      | 19,228  | 25,077  | 24,028  | 21,033  | 20,088   | 24,374  | 34,638  | 35,591  | 32,555  |
| Contract labor                                  | 1,440       | 1,515   | 2,026   | 1,686   | 2,498   | 1,356    | 1,427   | 1,909   | 1,588   | 2,353   |
| Miscellaneous expenses                          | 46,245      | 47,598  | 50,277  | 47,524  | 46,261  | 85,771   | 90,318  | 103,808 | 116,784 | 118,177 |
| plus: Net government transactions               | -16,873     | -16,398 | -18,538 | -18,415 | -19,270 | -3,763   | -487    | -1,864  | -4,348  | -2,607  |
| + Direct government payments                    | 2,217       | 2,892   | 2,367   | 2,382   | 1,791   | 2,976    | 6,244   | 5,580   | 3,109   | 4,888   |
| - Motor vehicle registration and licensing fees | 596         | 467     | 814     | 916     | 812     | 504      | 385     | 670     | 754     | 668     |
| - Property taxes                                | 18,499      | 18,823  | 20,091  | 19,881  | 20,249  | 6,235    | 6,346   | 6,774   | 6,703   | 6,827   |
| Gross value added                               | 315,396     | 332,155 | 324,509 | 289,987 | 309,156 | 212,498  | 205,340 | 224,688 | 193,194 | 243,414 |
| less: Capital consumption                       | 46,515      | 45,547  | 44,226  | 43,647  | 44,030  | 33,641   | 33,273  | 34,125  | 34,644  | 34,834  |
| Net value added                                 | 268,881     | 286,608 | 280,283 | 246,340 | 265,126 | 178,857  | 172,067 | 190,563 | 158,550 | 208,580 |
| less: Factor payments                           | 91,583      | 92,469  | 97,205  | 106,031 | 111,396 | 59,317   | 57,818  | 65,008  | 65,372  | 70,505  |
| Employee compensation (total hired labor)       | 75,907      | 80,188  | 81,814  | 89,926  | 94,186  | 23,275   | 24,588  | 25,085  | 27,574  | 28,880  |
| Net rent received by nonoperator landlords      | 228         | -500    | -697    | 256     | 419     | 13,839   | 11,180  | 13,858  | 13,327  | 15,763  |
| Real estate and nonreal estate interest         | 15,448      | 12,781  | 16,088  | 15,849  | 16,791  | 22,203   | 22,050  | 26,065  | 24,471  | 25,862  |
| Net farm income                                 | 177,298     | 194,139 | 183,078 | 140,309 | 153,730 | 119,541  | 114,250 | 125,555 | 93,177  | 138,075 |

See footnotes at end of table.

Continued—



Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96<sup>1</sup>—Continued

| Item  | Florida   |           |           |           |           | Georgia   |           |           |           |           |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|   | 1992      | 1993      | 1994      | 1995      | 1996      | 1992      | 1993      | 1994      | 1995      | 1996      |
| <i>Thousand dollars</i>                         |           |           |           |           |           |           |           |           |           |           |
| Final crop output                               | 4,984,156 | 4,862,193 | 4,857,277 | 4,809,814 | 4,969,612 | 1,806,309 | 1,590,610 | 2,217,792 | 2,354,647 | 2,462,385 |
| Food grains                                     | 2,349     | 2,268     | 1,717     | 1,255     | 1,534     | 45,606    | 41,770    | 56,259    | 42,677    | 88,477    |
| Feed crops                                      | 24,506    | 22,895    | 25,070    | 23,882    | 30,643    | 151,720   | 111,335   | 139,857   | 117,782   | 167,735   |
| Cotton  | 20,502    | 23,393    | 37,916    | 38,598    | 47,432    | 219,979   | 241,824   | 391,759   | 741,333   | 781,640   |
| Oil crops                                       | 65,312    | 65,815    | 65,860    | 57,783    | 64,657    | 638,942   | 504,517   | 612,401   | 480,989   | 446,117   |
| Tobacco   | 31,729    | 30,638    | 27,248    | 30,907    | 31,021    | 170,101   | 156,805   | 135,854   | 148,505   | 176,320   |
| Fruits and tree nuts                            | 1,496,193 | 1,487,798 | 1,619,356 | 1,688,828 | 1,774,086 | 91,002    | 128,714   | 102,698   | 127,724   | 77,944    |
| Vegetables                                      | 1,756,993 | 1,688,676 | 1,448,371 | 1,321,518 | 1,303,167 | 267,081   | 281,555   | 340,542   | 434,069   | 378,469   |
| All other crops                                 | 1,576,637 | 1,545,401 | 1,626,570 | 1,655,059 | 1,689,925 | 202,433   | 217,313   | 237,217   | 254,563   | 291,084   |
| Home consumption                                | 2,137     | 1,284     | 1,356     | 1,963     | 1,723     | 2,521     | 1,514     | 1,565     | 2,265     | 1,988     |
| Value of inventory adjustment <sup>2</sup>      | 7,798     | -5,975    | 3,813     | -9,979    | 25,424    | 16,924    | -94,737   | 199,640   | 4,740     | 52,611    |
| Final animal output                             | 1,171,130 | 1,244,301 | 1,221,778 | 1,120,355 | 1,177,050 | 2,301,535 | 2,588,387 | 2,726,818 | 2,784,477 | 3,253,349 |
| Meat animals                                    | 362,616   | 377,674   | 348,328   | 301,491   | 231,576   | 436,135   | 463,897   | 418,419   | 428,819   | 404,196   |
| Dairy products                                  | 401,700   | 385,503   | 408,408   | 363,528   | 431,280   | 229,860   | 226,510   | 238,183   | 222,046   | 241,561   |
| Poultry and eggs                                | 259,678   | 298,831   | 291,605   | 315,475   | 353,469   | 1,583,335 | 1,822,378 | 1,975,433 | 2,102,238 | 2,588,655 |
| Miscellaneous livestock                         | 141,880   | 149,123   | 146,192   | 157,265   | 171,868   | 35,257    | 35,743    | 38,960    | 35,491    | 44,848    |
| Home consumption                                | 2,370     | 2,241     | 1,969     | 1,598     | 1,361     | 5,937     | 7,203     | 6,480     | 5,011     | 4,153     |
| Value of inventory adjustment <sup>2</sup>      | 2,886     | 30,929    | 25,276    | -19,002   | -12,504   | 11,411    | 32,656    | 49,343    | -9,128    | -30,064   |
| Services and forestry                           | 220,684   | 219,373   | 241,691   | 269,776   | 290,697   | 518,344   | 561,580   | 615,160   | 681,842   | 740,891   |
| Machine hire and customwork                     | 20,534    | 19,342    | 25,653    | 31,935    | 38,101    | 22,152    | 20,865    | 27,674    | 34,451    | 41,103    |
| Forest products sold                            | 15,000    | 15,000    | 15,000    | 15,000    | 15,000    | 128,300   | 137,000   | 148,800   | 148,800   | 150,000   |
| Other farm income                               | 61,272    | 64,982    | 63,685    | 70,163    | 78,566    | 198,299   | 218,820   | 226,092   | 269,712   | 308,924   |
| Gross imputed rental value of farm dwellings    | 123,878   | 120,049   | 137,353   | 152,678   | 159,030   | 169,593   | 184,895   | 212,594   | 228,879   | 240,864   |
| Final agricultural sector output                | 6,375,970 | 6,325,867 | 6,320,746 | 6,199,945 | 6,437,358 | 4,626,188 | 4,740,577 | 5,559,770 | 5,820,966 | 6,456,625 |
| less: Intermediate consumption outlays          | 2,194,494 | 2,435,536 | 2,487,206 | 2,762,942 | 2,951,157 | 2,156,428 | 2,446,654 | 2,582,860 | 2,870,052 | 3,235,852 |
| Farm origin                                     | 507,362   | 549,725   | 539,818   | 573,118   | 621,523   | 946,056   | 1,048,281 | 1,093,188 | 1,169,452 | 1,420,465 |
| Feed purchased                                  | 274,505   | 294,303   | 290,319   | 315,319   | 348,346   | 665,848   | 737,045   | 762,937   | 828,146   | 1,066,508 |
| Livestock and poultry purchased                 | 48,471    | 61,979    | 55,765    | 51,473    | 43,361    | 169,670   | 195,268   | 214,109   | 217,614   | 216,183   |
| Seed purchased                                  | 184,386   | 193,443   | 193,734   | 206,326   | 229,816   | 110,538   | 115,968   | 116,142   | 123,692   | 137,774   |
| Manufactured inputs                             | 733,674   | 800,916   | 774,491   | 860,093   | 890,612   | 484,155   | 541,823   | 521,887   | 579,878   | 594,214   |
| Fertilizers and lime                            | 287,485   | 295,457   | 288,840   | 307,948   | 331,895   | 201,227   | 226,812   | 222,881   | 237,275   | 255,315   |
| Pesticides                                      | 290,224   | 340,700   | 335,080   | 372,549   | 397,064   | 134,766   | 158,205   | 155,595   | 172,994   | 184,377   |
| Petroleum fuel and oils                         | 111,557   | 112,297   | 104,108   | 115,296   | 120,596   | 109,385   | 110,997   | 102,840   | 113,459   | 118,671   |
| Electricity                                     | 44,408    | 52,462    | 46,463    | 64,300    | 41,057    | 38,777    | 45,809    | 40,571    | 56,147    | 35,851    |
| Other intermediate expenses                     | 953,459   | 1,084,895 | 1,172,897 | 1,329,731 | 1,439,022 | 726,217   | 856,550   | 967,785   | 1,120,722 | 1,221,172 |
| Repair and maintenance of capital items         | 148,176   | 185,663   | 165,776   | 166,969   | 202,632   | 152,857   | 179,786   | 171,241   | 177,140   | 197,451   |
| Machine hire and customwork                     | 116,062   | 96,500    | 108,434   | 154,087   | 161,315   | 71,510    | 62,062    | 80,644    | 115,229   | 128,688   |
| Marketing, storage, and transportation expenses | 156,949   | 256,279   | 264,814   | 276,301   | 345,322   | 104,072   | 178,457   | 205,294   | 238,289   | 320,334   |
| Contract labor                                  | 180,308   | 191,529   | 217,186   | 302,660   | 394,612   | 17,503    | 18,592    | 21,083    | 29,380    | 38,306    |
| Miscellaneous expenses                          | 351,964   | 354,924   | 416,687   | 429,714   | 335,141   | 380,275   | 417,653   | 489,523   | 560,684   | 536,393   |
| plus: Net government transactions               | -168,688  | -67,407   | -134,486  | -143,346  | -179,323  | 65,429    | 130,817   | 36,117    | -40,237   | 7,568     |
| + Direct government payments                    | 53,085    | 110,680   | 58,588    | 55,045    | 22,872    | 182,300   | 225,493   | 139,726   | 66,393    | 114,524   |
| - Motor vehicle registration and licensing fees | 2,981     | 3,352     | 4,921     | 5,259     | 3,708     | 4,111     | 4,622     | 6,639     | 7,094     | 4,660     |
| - Property taxes                                | 218,792   | 174,735   | 188,153   | 193,132   | 198,487   | 112,760   | 90,054    | 96,970    | 99,536    | 102,296   |
| Gross value added                               | 4,012,788 | 3,822,924 | 3,699,055 | 3,293,657 | 3,306,879 | 2,535,189 | 2,424,740 | 3,013,027 | 2,910,677 | 3,228,341 |
| less: Capital consumption                       | 259,043   | 260,682   | 266,729   | 268,756   | 271,223   | 325,250   | 329,448   | 334,249   | 340,284   | 338,393   |
| Net value added                                 | 3,753,745 | 3,562,242 | 3,432,326 | 3,024,901 | 3,035,656 | 2,209,939 | 2,095,292 | 2,678,778 | 2,570,393 | 2,889,948 |
| less: Factor payments                           | 1,025,668 | 1,166,554 | 1,158,256 | 1,212,006 | 1,266,594 | 534,688   | 562,935   | 580,382   | 617,036   | 656,212   |
| Employee compensation (total hired labor)       | 706,632   | 837,082   | 789,391   | 829,417   | 844,927   | 190,471   | 225,635   | 212,779   | 223,568   | 227,749   |
| Net rent received by nonoperator landlords      | 39,374    | 42,048    | 43,295    | 53,018    | 69,097    | 117,481   | 120,992   | 130,214   | 134,196   | 149,010   |
| Real estate and nonreal estate interest         | 279,662   | 287,424   | 325,570   | 329,571   | 352,570   | 226,736   | 216,308   | 237,389   | 259,272   | 279,453   |
| Net farm income                                 | 2,728,077 | 2,395,688 | 2,274,070 | 1,812,895 | 1,769,062 | 1,675,251 | 1,532,357 | 2,098,396 | 1,953,357 | 2,233,736 |

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96<sup>1</sup>—Continued

| Item  | Hawaii  |         |         |         |         | Idaho     |           |           |           |           |
|---|---------|---------|---------|---------|---------|-----------|-----------|-----------|-----------|-----------|
|   | 1992    | 1993    | 1994    | 1995    | 1996    | 1992      | 1993      | 1994      | 1995      | 1996      |
| <i>Thousand dollars</i>                         |         |         |         |         |         |           |           |           |           |           |
| Final crop output                               | 437,276 | 422,399 | 432,078 | 422,846 | 416,806 | 1,590,289 | 1,807,703 | 1,793,997 | 1,986,230 | 2,151,215 |
| Food grains                                     | 0       | 0       | 0       | 0       | 0       | 336,260   | 310,042   | 323,645   | 399,053   | 483,914   |
| Feed crops                                      | 0       | 0       | 0       | 0       | 0       | 264,050   | 324,216   | 316,552   | 345,601   | 370,322   |
| Cotton  | 0       | 0       | 0       | 0       | 0       | 0         | 0         | 0         | 0         | 0         |
| Oil crops                                       | 0       | 0       | 0       | 0       | 0       | 2,794     | 4,181     | 7,749     | 7,570     | 3,604     |
| Tobacco   | 0       | 0       | 0       | 0       | 0       | 0         | 0         | 0         | 0         | 0         |
| Fruits and tree nuts                            | 161,209 | 141,509 | 150,624 | 169,488 | 179,932 | 23,333    | 23,073    | 25,078    | 22,694    | 35,209    |
| Vegetables                                      | 38,787  | 36,717  | 39,710  | 42,096  | 39,472  | 626,190   | 723,399   | 719,457   | 818,041   | 848,101   |
| All other crops                                 | 237,017 | 244,015 | 241,577 | 211,020 | 197,190 | 334,256   | 335,924   | 358,877   | 339,156   | 339,537   |
| Home consumption                                | 263     | 158     | 167     | 242     | 212     | 1,151     | 675       | 713       | 1,082     | 950       |
| Value of inventory adjustment <sup>2</sup>      | 0       | 0       | 0       | 0       | 0       | 2,255     | 86,193    | 41,926    | 53,033    | 69,578    |
| Final animal output                             | 80,174  | 79,402  | 82,708  | 70,777  | 63,791  | 1,126,282 | 1,188,753 | 1,247,032 | 1,232,732 | 1,323,040 |
| Meat animals                                    | 35,842  | 33,414  | 26,059  | 21,506  | 18,719  | 715,919   | 717,124   | 677,825   | 645,388   | 603,629   |
| Dairy products                                  | 32,495  | 32,035  | 31,747  | 32,146  | 29,234  | 370,800   | 387,960   | 456,330   | 508,130   | 652,605   |
| Poultry and eggs                                | 18,841  | 17,459  | 16,723  | 15,662  | 15,200  | 11,499    | 13,208    | 14,135    | 12,470    | 15,464    |
| Miscellaneous livestock                         | 1,976   | 2,349   | 2,292   | 2,547   | 2,842   | 47,006    | 48,780    | 50,778    | 55,296    | 57,560    |
| Home consumption                                | 1,221   | 1,002   | 983     | 879     | 809     | 7,159     | 7,548     | 6,427     | 5,916     | 5,474     |
| Value of inventory adjustment <sup>2</sup>      | -10,201 | -6,857  | 4,904   | -1,963  | -3,013  | -26,101   | 14,133    | 41,537    | 5,532     | -11,692   |
| Services and forestry                           | 36,680  | 35,331  | 36,271  | 36,665  | 39,270  | 180,134   | 199,742   | 219,053   | 243,423   | 264,732   |
| Machine hire and customwork                     | 2,975   | 3,105   | 3,448   | 3,210   | 3,586   | 46,049    | 47,973    | 51,366    | 49,970    | 48,454    |
| Forest products sold                            | 320     | 320     | 320     | 320     | 320     | 400       | 420       | 442       | 464       | 488       |
| Other farm income                               | 1,485   | 1,576   | 1,505   | 1,638   | 1,654   | 37,111    | 43,004    | 38,337    | 46,401    | 61,112    |
| Gross imputed rental value of farm dwellings    | 31,900  | 30,330  | 30,998  | 31,497  | 33,710  | 96,574    | 108,345   | 128,908   | 146,588   | 154,678   |
| Final agricultural sector output                | 554,130 | 537,132 | 551,057 | 530,288 | 519,867 | 2,896,705 | 3,196,198 | 3,260,082 | 3,462,385 | 3,738,987 |
| less: Intermediate consumption outlays          | 193,159 | 198,710 | 213,088 | 216,224 | 216,113 | 1,328,891 | 1,421,087 | 1,704,934 | 1,808,647 | 1,908,647 |
| Farm origin                                     | 44,682  | 44,606  | 46,064  | 40,577  | 44,049  | 456,331   | 485,467   | 561,091   | 613,396   | 654,454   |
| Feed purchased                                  | 31,376  | 29,658  | 29,732  | 27,493  | 32,264  | 224,951   | 225,837   | 281,233   | 360,702   | 407,130   |
| Livestock and poultry purchased                 | 664     | 667     | 1,450   | 547     | 544     | 142,034   | 164,197   | 167,913   | 145,646   | 129,432   |
| Seed purchased                                  | 12,642  | 14,281  | 14,882  | 12,537  | 11,241  | 89,346    | 95,433    | 111,945   | 107,048   | 117,892   |
| Manufactured inputs                             | 71,798  | 71,646  | 75,388  | 80,975  | 82,132  | 388,872   | 394,166   | 484,343   | 511,745   | 570,838   |
| Fertilizers and lime                            | 29,540  | 26,381  | 28,475  | 31,636  | 32,774  | 153,754   | 158,762   | 205,862   | 218,650   | 240,987   |
| Pesticides                                      | 20,396  | 23,087  | 24,775  | 26,188  | 24,816  | 68,474    | 75,415    | 88,172    | 92,728    | 101,196   |
| Petroleum fuel and oils                         | 15,850  | 16,014  | 15,961  | 16,315  | 17,177  | 77,533    | 75,739    | 84,030    | 84,591    | 94,223    |
| Electricity                                     | 6,012   | 6,164   | 6,177   | 6,836   | 7,365   | 89,111    | 84,250    | 106,279   | 115,776   | 134,432   |
| Other intermediate expenses                     | 76,679  | 82,458  | 91,636  | 94,671  | 89,933  | 483,688   | 541,454   | 659,500   | 683,506   | 683,355   |
| Repair and maintenance of capital items         | 20,268  | 21,138  | 19,797  | 21,358  | 23,058  | 112,531   | 110,596   | 131,517   | 137,336   | 150,438   |
| Machine hire and customwork                     | 5,633   | 6,539   | 7,097   | 7,203   | 6,777   | 78,353    | 83,959    | 86,527    | 107,240   | 74,806    |
| Marketing, storage, and transportation expenses | 13,943  | 16,136  | 19,145  | 18,915  | 16,262  | 45,560    | 78,335    | 89,349    | 94,708    | 86,983    |
| Contract labor                                  | 5,659   | 5,835   | 5,949   | 6,488   | 7,015   | 15,956    | 16,319    | 14,936    | 22,259    | 26,889    |
| Miscellaneous expenses                          | 31,176  | 32,810  | 39,648  | 40,707  | 36,821  | 231,288   | 252,245   | 337,171   | 321,963   | 344,239   |
| plus: Net government transactions               | -42,607 | -41,821 | -41,000 | -44,284 | -46,749 | 61,490    | 77,339    | 32,224    | -11,206   | 11,065    |
| + Direct government payments                    | 1,822   | 3,131   | 2,911   | 947     | 580     | 137,395   | 159,316   | 127,322   | 89,449    | 116,009   |
| - Motor vehicle registration and licensing fees | 802     | 816     | 944     | 1,046   | 935     | 7,078     | 8,280     | 10,847    | 9,369     | 11,066    |
| - Property taxes                                | 43,627  | 44,136  | 42,967  | 44,185  | 46,394  | 68,827    | 73,697    | 84,251    | 91,286    | 93,878    |
| Gross value added                               | 318,364 | 296,601 | 296,969 | 269,780 | 257,005 | 1,629,304 | 1,852,449 | 1,587,372 | 1,642,532 | 1,841,405 |
| less: Capital consumption                       | 45,641  | 40,216  | 39,940  | 43,437  | 43,284  | 240,708   | 242,293   | 251,096   | 258,292   | 260,551   |
| Net value added                                 | 272,723 | 256,385 | 257,029 | 226,343 | 213,721 | 1,388,596 | 1,610,156 | 1,336,276 | 1,384,240 | 1,580,854 |
| less: Factor payments                           | 216,859 | 209,808 | 214,665 | 214,946 | 215,725 | 516,298   | 548,961   | 667,822   | 743,268   | 762,416   |
| Employee compensation (total hired labor)       | 176,447 | 175,388 | 175,416 | 176,957 | 177,556 | 186,415   | 229,713   | 300,588   | 314,670   | 310,419   |
| Net rent received by nonoperator landlords      | 18,127  | 14,795  | 18,350  | 19,275  | 18,824  | 145,446   | 134,265   | 161,011   | 209,479   | 233,964   |
| Real estate and nonreal estate interest         | 22,285  | 19,625  | 20,899  | 18,714  | 19,345  | 184,437   | 184,983   | 206,223   | 219,119   | 218,033   |
| Net farm income                                 | 55,864  | 46,577  | 42,364  | 11,397  | -2,004  | 872,298   | 1,061,195 | 668,454   | 640,972   | 818,438   |

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96<sup>1</sup>—Continued

| Item  | Illinois  |           |           |           |            | Indiana   |           |           |           |           |
|---|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|
|   | 1992      | 1993      | 1994      | 1995      | 1996       | 1992      | 1993      | 1994      | 1995      | 1996      |
| <i>Thousand dollars</i>                         |           |           |           |           |            |           |           |           |           |           |
| Final crop output                               | 6,149,113 | 5,375,044 | 6,872,112 | 5,580,630 | 7,672,623  | 3,172,514 | 3,074,043 | 3,362,036 | 3,075,862 | 3,780,061 |
| Food grains                                     | 178,411   | 170,690   | 179,610   | 251,290   | 182,280    | 77,195    | 95,452    | 103,817   | 164,553   | 117,583   |
| Feed crops                                      | 2,604,174 | 3,000,424 | 2,952,141 | 3,460,381 | 3,642,132  | 1,240,333 | 1,717,411 | 1,374,560 | 1,700,341 | 1,822,479 |
| Cotton  | 0         | 0         | 0         | 0         | 0          | 0         | 0         | 0         | 0         | 0         |
| Oil crops                                       | 2,104,919 | 2,379,556 | 2,386,076 | 2,449,197 | 2,784,742  | 1,018,321 | 1,322,454 | 1,174,112 | 1,304,641 | 1,453,442 |
| Tobacco   | 0         | 0         | 0         | 0         | 0          | 35,187    | 33,383    | 29,164    | 22,334    | 21,500    |
| Fruits and tree nuts                            | 25,559    | 21,864    | 13,160    | 21,892    | 18,444     | 22,078    | 22,497    | 18,829    | 25,007    | 24,791    |
| Vegetables                                      | 78,493    | 72,055    | 81,194    | 73,420    | 82,692     | 75,790    | 83,300    | 89,585    | 88,241    | 98,431    |
| All other crops                                 | 278,155   | 271,612   | 284,294   | 280,321   | 278,605    | 156,659   | 125,575   | 140,254   | 123,181   | 125,218   |
| Home consumption                                | 4,439     | 2,600     | 2,678     | 3,876     | 3,401      | 3,562     | 2,074     | 2,191     | 3,121     | 2,739     |
| Value of inventory adjustment <sup>2</sup>      | 874,963   | -543,757  | 972,959   | -959,747  | 680,327    | 543,389   | -328,103  | 429,524   | -355,557  | 113,878   |
| Final animal output                             | 2,205,040 | 2,259,777 | 2,043,538 | 1,877,791 | 1,991,460  | 1,810,548 | 1,893,290 | 1,759,291 | 1,711,726 | 1,895,748 |
| Meat animals                                    | 1,754,414 | 1,824,789 | 1,621,536 | 1,528,778 | 1,609,675  | 1,057,690 | 1,122,323 | 975,413   | 1,009,626 | 1,015,509 |
| Dairy products                                  | 331,569   | 318,150   | 334,894   | 303,104   | 345,300    | 299,117   | 286,650   | 295,738   | 278,272   | 312,522   |
| Poultry and eggs                                | 62,539    | 73,761    | 76,346    | 76,478    | 87,636     | 447,830   | 459,727   | 448,417   | 456,201   | 552,750   |
| Miscellaneous livestock                         | 17,057    | 16,881    | 17,420    | 17,575    | 18,492     | 13,424    | 14,095    | 14,155    | 14,605    | 13,874    |
| Home consumption                                | 24,549    | 18,554    | 14,099    | 13,210    | 12,817     | 10,656    | 15,644    | 12,673    | 10,241    | 9,767     |
| Value of inventory adjustment <sup>2</sup>      | 14,912    | 7,642     | -20,757   | -61,354   | -82,460    | -18,169   | -5,149    | 12,895    | -57,219   | -8,674    |
| Services and forestry                           | 454,165   | 486,813   | 536,520   | 605,652   | 612,595    | 333,903   | 365,725   | 408,287   | 447,848   | 457,503   |
| Machine hire and customwork                     | 84,229    | 83,957    | 85,937    | 103,733   | 74,675     | 41,499    | 41,364    | 42,340    | 51,108    | 36,791    |
| Forest products sold                            | 5,000     | 5,000     | 5,000     | 5,000     | 5,000      | 17,820    | 21,385    | 17,500    | 18,500    | 19,500    |
| Other farm income                               | 94,936    | 107,133   | 97,717    | 111,577   | 122,588    | 41,221    | 45,181    | 42,358    | 44,218    | 48,668    |
| Gross imputed rental value of farm dwellings    | 270,000   | 290,723   | 347,866   | 385,342   | 410,332    | 233,363   | 257,795   | 306,089   | 334,022   | 352,544   |
| Final agricultural sector output                | 8,808,318 | 8,121,634 | 9,452,170 | 8,064,073 | 10,276,678 | 5,316,965 | 5,333,058 | 5,529,614 | 5,235,436 | 6,133,312 |
| less: Intermediate consumption outlays          | 3,834,368 | 3,975,791 | 4,094,041 | 4,062,790 | 4,268,519  | 2,747,249 | 2,822,145 | 2,897,052 | 2,834,257 | 2,922,734 |
| Farm origin                                     | 1,197,745 | 1,222,990 | 1,202,004 | 1,096,225 | 1,093,643  | 1,109,813 | 1,100,637 | 1,118,298 | 996,790   | 964,581   |
| Feed purchased                                  | 582,581   | 585,588   | 595,759   | 505,050   | 471,438    | 728,989   | 691,649   | 730,156   | 637,515   | 595,645   |
| Livestock and poultry purchased                 | 204,201   | 201,585   | 176,286   | 166,050   | 140,606    | 146,472   | 160,463   | 142,958   | 116,847   | 94,303    |
| Seed purchased                                  | 410,963   | 435,817   | 429,959   | 425,125   | 481,599    | 234,352   | 248,525   | 245,184   | 242,428   | 274,633   |
| Manufactured inputs                             | 1,553,074 | 1,559,589 | 1,645,271 | 1,721,537 | 1,901,499  | 957,696   | 960,806   | 1,005,723 | 1,059,234 | 1,168,270 |
| Fertilizers and lime                            | 703,281   | 679,369   | 726,430   | 776,146   | 869,359    | 448,128   | 430,520   | 455,824   | 496,152   | 557,389   |
| Pesticides                                      | 492,784   | 507,903   | 570,378   | 602,647   | 700,648    | 277,174   | 285,677   | 320,818   | 338,968   | 394,090   |
| Petroleum fuel and oils                         | 268,192   | 271,318   | 262,708   | 255,444   | 245,850    | 172,172   | 176,128   | 170,935   | 164,921   | 158,722   |
| Electricity                                     | 88,817    | 100,999   | 85,755    | 87,300    | 85,642     | 60,222    | 68,481    | 58,146    | 59,193    | 58,069    |
| Other intermediate expenses                     | 1,083,549 | 1,193,212 | 1,246,766 | 1,245,028 | 1,273,377  | 679,740   | 760,702   | 773,031   | 778,233   | 789,883   |
| Repair and maintenance of capital items         | 379,264   | 380,615   | 375,436   | 414,197   | 435,600    | 255,679   | 255,720   | 257,504   | 278,635   | 288,854   |
| Machine hire and customwork                     | 109,365   | 128,109   | 136,173   | 132,036   | 132,529    | 57,934    | 67,863    | 72,135    | 69,943    | 70,204    |
| Marketing, storage, and transportation expenses | 112,535   | 136,678   | 151,677   | 137,680   | 148,264    | 67,255    | 88,598    | 89,022    | 84,390    | 91,057    |
| Contract labor                                  | 9,416     | 7,008     | 8,131     | 7,087     | 11,491     | 10,195    | 7,587     | 8,803     | 7,673     | 12,441    |
| Miscellaneous expenses                          | 472,969   | 540,802   | 575,349   | 554,028   | 545,493    | 288,677   | 340,934   | 345,567   | 337,592   | 327,327   |
| plus: Net government transactions               | 44,765    | 403,804   | -165,551  | 69,015    | -88,201    | 4,427     | 145,169   | -108,302  | -2,760    | -34,277   |
| + Direct government payments                    | 480,651   | 851,190   | 302,915   | 543,704   | 386,767    | 232,518   | 378,953   | 136,807   | 245,968   | 213,703   |
| - Motor vehicle registration and licensing fees | 14,963    | 14,386    | 15,087    | 17,384    | 14,869     | 11,619    | 11,101    | 11,945    | 13,545    | 11,360    |
| - Property taxes                                | 420,923   | 433,000   | 453,379   | 457,305   | 460,099    | 216,472   | 222,683   | 233,164   | 235,183   | 236,620   |
| Gross value added                               | 5,018,715 | 4,549,647 | 5,192,579 | 4,070,298 | 5,919,958  | 2,574,143 | 2,656,081 | 2,524,261 | 2,398,420 | 3,176,301 |
| less: Capital consumption                       | 985,180   | 982,584   | 999,926   | 1,016,942 | 1,013,702  | 646,459   | 646,101   | 663,604   | 672,336   | 667,878   |
| Net value added                                 | 4,033,535 | 3,567,063 | 4,192,653 | 3,053,356 | 4,906,256  | 1,927,684 | 2,009,980 | 1,860,657 | 1,726,084 | 2,508,423 |
| less: Factor payments                           | 2,372,177 | 2,269,684 | 2,215,998 | 2,212,639 | 2,650,984  | 1,194,578 | 1,231,224 | 1,087,900 | 1,168,505 | 1,267,461 |
| Employee compensation (total hired labor)       | 316,093   | 338,012   | 321,294   | 309,947   | 301,821    | 220,240   | 235,511   | 223,862   | 215,957   | 210,295   |
| Net rent received by nonoperator landlords      | 1,445,865 | 1,342,836 | 1,291,214 | 1,226,896 | 1,644,320  | 584,807   | 629,848   | 496,697   | 552,784   | 638,630   |
| Real estate and nonreal estate interest         | 610,219   | 588,836   | 603,490   | 675,796   | 704,843    | 389,531   | 365,865   | 367,341   | 399,764   | 418,536   |
| Net farm income                                 | 1,661,358 | 1,297,379 | 1,976,655 | 840,717   | 2,255,272  | 733,106   | 778,756   | 772,757   | 557,579   | 1,240,962 |

See footnotes at end of table.

Continued—

**Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96<sup>1</sup>—Continued**

| Item  | Iowa       |            |            |            |            | Kansas    |           |           |           |           |
|---|------------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|
|   | 1992       | 1993       | 1994       | 1995       | 1996       | 1992      | 1993      | 1994      | 1995      | 1996      |
| <i>Thousand dollars</i>                         |            |            |            |            |            |           |           |           |           |           |
| Final crop output                               | 5,587,065  | 2,965,387  | 6,587,455  | 5,802,919  | 7,910,489  | 2,655,457 | 2,346,796 | 3,037,584 | 2,775,063 | 3,625,808 |
| Food grains                                     | 5,003      | 2,405      | 5,768      | 5,514      | 6,866      | 1,051,963 | 1,145,232 | 1,374,854 | 1,324,638 | 1,184,123 |
| Feed crops                                      | 3,030,127  | 2,755,944  | 2,626,001  | 3,711,518  | 4,396,211  | 906,113   | 901,870   | 990,149   | 1,247,675 | 1,563,005 |
| Cotton  | 0          | 0          | 0          | 0          | 0          | 172       | 115       | 375       | 324       | 1,033     |
| Oil crops                                       | 2,026,931  | 1,784,588  | 2,055,434  | 2,425,006  | 2,892,171  | 335,472   | 351,314   | 432,246   | 402,397   | 495,028   |
| Tobacco   | 0          | 0          | 0          | 0          | 0          | 0         | 0         | 0         | 0         | 0         |
| Fruits and tree nuts                            | 3,639      | 2,793      | 3,145      | 3,422      | 3,313      | 7,705     | 4,191     | 6,640     | 3,516     | 1,698     |
| Vegetables                                      | 10,735     | 5,642      | 14,619     | 16,943     | 23,823     | 33,908    | 27,571    | 21,950    | 16,252    | 16,511    |
| All other crops                                 | 63,836     | 54,319     | 68,446     | 71,816     | 73,523     | 36,677    | 39,197    | 39,386    | 40,687    | 37,484    |
| Home consumption                                | 5,645      | 3,357      | 3,513      | 5,034      | 4,417      | 3,672     | 2,140     | 2,261     | 3,323     | 2,915     |
| Value of inventory adjustment <sup>2</sup>      | 441,149    | -1,643,661 | 1,810,529  | -436,334   | 510,165    | 279,775   | -124,834  | 169,723   | -263,749  | 324,011   |
| Final animal output                             | 5,589,977  | 5,735,285  | 5,183,823  | 4,919,892  | 5,343,773  | 4,965,715 | 4,923,458 | 4,943,537 | 4,643,463 | 4,621,513 |
| Meat animals                                    | 4,900,429  | 5,009,971  | 4,451,497  | 4,224,977  | 4,503,166  | 4,590,655 | 4,660,515 | 4,546,827 | 4,321,055 | 4,334,357 |
| Dairy products                                  | 507,650    | 506,112    | 498,585    | 501,480    | 546,070    | 151,074   | 135,255   | 142,208   | 143,418   | 168,270   |
| Poultry and eggs                                | 222,495    | 248,941    | 262,031    | 276,208    | 384,683    | 19,446    | 23,515    | 26,717    | 32,045    | 37,088    |
| Miscellaneous livestock                         | 15,599     | 16,210     | 18,760     | 19,602     | 22,861     | 38,391    | 38,398    | 42,222    | 39,854    | 30,612    |
| Home consumption                                | 16,082     | 15,259     | 13,891     | 13,481     | 14,703     | 13,738    | 10,495    | 14,150    | 13,283    | 11,500    |
| Value of inventory adjustment <sup>2</sup>      | -72,278    | -61,208    | -60,941    | -115,856   | -127,710   | 152,411   | 55,280    | 171,413   | 93,808    | 39,686    |
| Services and forestry                           | 556,974    | 600,365    | 633,270    | 710,584    | 714,351    | 427,445   | 480,467   | 547,231   | 598,651   | 655,912   |
| Machine hire and customwork                     | 113,386    | 113,020    | 115,685    | 139,642    | 100,525    | 70,382    | 74,462    | 113,159   | 90,495    | 113,350   |
| Forest products sold                            | 15,000     | 15,000     | 15,000     | 15,000     | 15,000     | 17,127    | 17,975    | 24,846    | 28,833    | 25,230    |
| Other farm income                               | 184,395    | 207,855    | 194,707    | 224,714    | 249,255    | 171,674   | 202,265   | 187,745   | 243,794   | 274,071   |
| Gross imputed rental value of farm dwellings    | 244,193    | 264,490    | 307,878    | 331,228    | 346,571    | 168,262   | 185,765   | 221,481   | 235,529   | 243,261   |
| Final agricultural sector output                | 11,734,016 | 9,301,037  | 12,404,548 | 11,433,395 | 13,968,613 | 8,048,617 | 7,750,721 | 8,528,352 | 8,017,177 | 8,903,233 |
| less: Intermediate consumption outlays          | 5,829,700  | 6,071,182  | 6,132,065  | 5,799,392  | 5,967,935  | 4,891,472 | 4,936,516 | 5,123,370 | 5,212,294 | 5,406,826 |
| Farm origin                                     | 2,811,733  | 2,918,585  | 2,874,711  | 2,455,288  | 2,419,270  | 3,105,748 | 3,062,005 | 3,094,364 | 3,014,268 | 3,070,087 |
| Feed purchased                                  | 1,446,605  | 1,439,579  | 1,499,129  | 1,303,887  | 1,229,881  | 777,392   | 776,870   | 840,683   | 894,653   | 957,250   |
| Livestock and poultry purchased                 | 920,962    | 1,007,979  | 910,886    | 691,930    | 668,880    | 2,217,909 | 2,168,686 | 2,127,506 | 1,991,250 | 1,966,488 |
| Seed purchased                                  | 444,166    | 471,027    | 464,696    | 459,471    | 520,509    | 110,447   | 116,449   | 126,175   | 128,365   | 146,349   |
| Manufactured inputs                             | 1,539,447  | 1,567,026  | 1,620,005  | 1,694,811  | 1,858,932  | 740,071   | 731,093   | 791,451   | 872,006   | 987,685   |
| Fertilizers and lime                            | 618,378    | 604,587    | 631,882    | 683,955    | 767,238    | 266,502   | 266,551   | 301,441   | 357,739   | 417,370   |
| Pesticides                                      | 475,371    | 489,956    | 550,224    | 581,352    | 675,890    | 171,549   | 173,634   | 193,463   | 216,597   | 243,291   |
| Petroleum fuel and oils                         | 312,641    | 321,176    | 309,428    | 298,718    | 287,503    | 243,825   | 233,206   | 232,502   | 241,120   | 264,462   |
| Electricity                                     | 133,057    | 151,307    | 128,471    | 130,786    | 128,301    | 58,195    | 57,702    | 64,045    | 56,550    | 62,562    |
| Other intermediate expenses                     | 1,478,520  | 1,585,571  | 1,637,349  | 1,649,293  | 1,689,733  | 1,045,653 | 1,143,418 | 1,237,555 | 1,326,020 | 1,349,055 |
| Repair and maintenance of capital items         | 445,226    | 453,924    | 446,483    | 483,910    | 498,263    | 341,121   | 371,633   | 376,368   | 380,947   | 444,253   |
| Machine hire and customwork                     | 153,839    | 180,205    | 191,549    | 185,729    | 186,422    | 148,192   | 179,673   | 203,781   | 217,840   | 189,632   |
| Marketing, storage, and transportation expenses | 163,256    | 174,196    | 190,951    | 183,138    | 210,563    | 65,831    | 67,555    | 76,243    | 86,210    | 82,253    |
| Contract labor                                  | 12,205     | 9,083      | 10,539     | 9,186      | 14,894     | 11,676    | 14,582    | 8,652     | 16,707    | 10,263    |
| Miscellaneous expenses                          | 703,994    | 768,163    | 797,827    | 787,330    | 779,591    | 478,833   | 509,975   | 572,511   | 624,316   | 622,654   |
| plus: Net government transactions               | 163,461    | 717,411    | 195,852    | 240,832    | -41,931    | 335,774   | 538,675   | 211,034   | 151,712   | 285,941   |
| + Direct government payments                    | 662,278    | 1,229,544  | 732,429    | 784,662    | 501,694    | 592,145   | 783,963   | 467,532   | 422,226   | 555,139   |
| - Motor vehicle registration and licensing fees | 18,966     | 18,515     | 19,726     | 22,504     | 19,113     | 13,436    | 13,541    | 14,240    | 18,865    | 15,452    |
| - Property taxes                                | 479,851    | 493,618    | 516,851    | 521,326    | 524,512    | 242,935   | 231,747   | 242,258   | 251,649   | 253,746   |
| Gross value added                               | 6,067,777  | 3,947,266  | 6,468,335  | 5,874,835  | 7,958,747  | 3,492,919 | 3,352,879 | 3,616,015 | 2,956,595 | 3,782,348 |
| less: Capital consumption                       | 1,153,387  | 1,159,257  | 1,175,659  | 1,181,215  | 1,168,010  | 639,189   | 636,508   | 653,488   | 658,560   | 655,554   |
| Net value added                                 | 4,914,390  | 2,788,009  | 5,292,676  | 4,693,620  | 6,790,737  | 2,853,730 | 2,716,371 | 2,962,527 | 2,298,035 | 3,126,794 |
| less: Factor payments                           | 2,333,968  | 2,024,429  | 2,359,071  | 2,507,516  | 2,821,715  | 1,073,014 | 1,125,727 | 1,207,788 | 1,245,837 | 1,398,245 |
| Employee compensation (total hired labor)       | 273,034    | 291,966    | 277,525    | 267,724    | 260,705    | 189,527   | 201,504   | 233,598   | 229,371   | 252,076   |
| Net rent received by nonoperator landlords      | 1,266,164  | 925,184    | 1,254,855  | 1,312,347  | 1,599,807  | 417,997   | 465,135   | 476,717   | 479,535   | 587,151   |
| Real estate and nonreal estate interest         | 794,770    | 807,279    | 826,691    | 927,445    | 961,203    | 465,490   | 459,088   | 497,473   | 536,931   | 559,018   |
| Net farm income                                 | 2,580,422  | 763,580    | 2,933,605  | 2,186,104  | 3,969,022  | 1,780,716 | 1,590,645 | 1,754,739 | 1,052,198 | 1,728,549 |

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96<sup>1</sup>—Continued

| Item  | Kentucky  |           |           |           |           | Louisiana |           |           |           |           |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|   | 1992      | 1993      | 1994      | 1995      | 1996      | 1992      | 1993      | 1994      | 1995      | 1996      |
| <i>Thousand dollars</i>                         |           |           |           |           |           |           |           |           |           |           |
| Final crop output                               | 1,751,128 | 1,551,811 | 1,652,328 | 1,391,581 | 1,722,702 | 1,197,370 | 1,041,049 | 1,395,472 | 1,355,129 | 1,667,151 |
| Food grains                                     | 58,827    | 57,272    | 77,399    | 94,128    | 126,257   | 222,500   | 137,047   | 231,299   | 211,850   | 273,744   |
| Feed crops                                      | 303,709   | 356,634   | 339,540   | 392,313   | 463,804   | 98,213    | 72,516    | 95,197    | 91,057    | 212,273   |
| Cotton  | 0         | 0         | 0         | 0         | 0         | 446,707   | 341,049   | 471,439   | 501,649   | 520,245   |
| Oil crops                                       | 210,020   | 236,729   | 259,861   | 245,828   | 306,970   | 208,700   | 200,569   | 167,933   | 182,905   | 249,072   |
| Tobacco   | 877,357   | 918,850   | 786,020   | 636,485   | 812,739   | 0         | 0         | 0         | 0         | 0         |
| Fruits and tree nuts                            | 10,605    | 11,693    | 7,970     | 11,691    | 10,558    | 12,115    | 15,301    | 22,292    | 23,764    | 16,677    |
| Vegetables                                      | 28,141    | 30,370    | 30,075    | 28,875    | 31,703    | 55,674    | 66,388    | 70,875    | 71,337    | 73,897    |
| All other crops                                 | 73,662    | 69,605    | 71,995    | 75,671    | 79,316    | 245,435   | 257,325   | 270,060   | 300,885   | 308,950   |
| Home consumption                                | 4,987     | 2,995     | 3,096     | 4,481     | 3,931     | 1,589     | 955       | 974       | 1,359     | 1,193     |
| Value of inventory adjustment <sup>2</sup>      | 183,820   | -132,337  | 76,372    | -97,891   | -112,576  | -93,563   | -50,101   | 65,403    | -29,677   | 11,100    |
| Final animal output                             | 1,670,869 | 1,739,681 | 1,686,527 | 1,653,758 | 1,656,882 | 638,983   | 701,755   | 720,242   | 664,883   | 678,216   |
| Meat animals                                    | 830,657   | 916,901   | 780,839   | 668,648   | 641,354   | 168,823   | 203,276   | 162,182   | 122,949   | 121,736   |
| Dairy products                                  | 284,275   | 274,030   | 267,297   | 263,925   | 279,048   | 135,360   | 128,800   | 128,310   | 122,820   | 133,326   |
| Poultry and eggs                                | 79,156    | 88,326    | 107,744   | 119,995   | 166,716   | 234,910   | 301,575   | 333,753   | 305,516   | 344,241   |
| Miscellaneous livestock                         | 437,604   | 445,508   | 493,056   | 562,926   | 631,767   | 71,122    | 71,289    | 75,362    | 78,560    | 87,907    |
| Home consumption                                | 15,946    | 15,699    | 14,489    | 11,781    | 13,294    | 3,590     | 2,940     | 2,566     | 2,082     | 1,291     |
| Value of inventory adjustment <sup>2</sup>      | 23,231    | -783      | 23,102    | 26,483    | -75,297   | 25,178    | -6,125    | 18,069    | 32,956    | -10,285   |
| Services and forestry                           | 482,163   | 486,711   | 516,421   | 548,804   | 609,094   | 155,761   | 175,114   | 181,975   | 204,802   | 206,605   |
| Machine hire and customwork                     | 20,026    | 21,834    | 17,682    | 21,551    | 23,076    | 12,832    | 12,832    | 18,348    | 10,193    | 10,759    |
| Forest products sold                            | 141,500   | 146,500   | 152,000   | 160,000   | 168,000   | 41,806    | 45,000    | 51,500    | 65,000    | 59,300    |
| Other farm income                               | 111,042   | 94,191    | 100,173   | 105,562   | 137,164   | 23,429    | 33,885    | 16,533    | 25,239    | 26,318    |
| Gross imputed rental value of farm dwellings    | 209,595   | 224,186   | 246,566   | 261,691   | 280,854   | 77,694    | 83,397    | 95,594    | 104,370   | 110,228   |
| Final agricultural sector output                | 3,904,160 | 3,778,203 | 3,855,276 | 3,594,143 | 3,988,678 | 1,992,114 | 1,917,918 | 2,297,689 | 2,224,814 | 2,551,972 |
| less: Intermediate consumption outlays          | 1,419,138 | 1,543,228 | 1,485,044 | 1,541,040 | 1,645,489 | 1,102,208 | 1,173,748 | 1,226,260 | 1,173,301 | 1,294,287 |
| Farm origin                                     | 457,692   | 497,995   | 480,077   | 466,309   | 479,438   | 258,806   | 292,789   | 310,654   | 276,071   | 280,699   |
| Feed purchased                                  | 164,926   | 177,059   | 203,817   | 219,439   | 258,100   | 166,688   | 197,751   | 209,593   | 184,446   | 177,374   |
| Livestock and poultry purchased                 | 230,967   | 256,661   | 214,121   | 173,322   | 146,965   | 27,275    | 30,408    | 31,716    | 30,492    | 29,722    |
| Seed purchased                                  | 61,799    | 64,275    | 62,139    | 73,548    | 74,373    | 64,843    | 64,630    | 69,345    | 61,133    | 73,603    |
| Manufactured inputs                             | 353,475   | 375,710   | 363,394   | 403,166   | 427,167   | 407,549   | 390,707   | 395,617   | 404,334   | 457,217   |
| Fertilizers and lime                            | 169,850   | 180,338   | 175,878   | 196,274   | 207,733   | 122,260   | 112,646   | 121,874   | 126,916   | 157,573   |
| Pesticides                                      | 69,213    | 73,754    | 69,536    | 75,426    | 83,595    | 189,914   | 182,619   | 188,177   | 178,045   | 194,112   |
| Petroleum fuel and oils                         | 88,181    | 88,565    | 92,023    | 100,362   | 102,734   | 76,917    | 75,761    | 70,178    | 73,165    | 80,670    |
| Electricity                                     | 26,231    | 33,053    | 25,957    | 31,104    | 33,105    | 18,458    | 19,681    | 15,388    | 26,208    | 24,862    |
| Other intermediate expenses                     | 607,971   | 669,523   | 641,573   | 671,565   | 738,884   | 435,853   | 490,253   | 519,989   | 492,896   | 556,372   |
| Repair and maintenance of capital items         | 154,199   | 202,357   | 182,501   | 188,122   | 190,701   | 119,468   | 125,424   | 112,059   | 110,110   | 136,753   |
| Machine hire and customwork                     | 40,768    | 43,794    | 46,930    | 49,748    | 57,203    | 93,456    | 108,527   | 121,699   | 100,519   | 131,789   |
| Marketing, storage, and transportation expenses | 103,246   | 101,088   | 98,961    | 112,978   | 116,840   | 79,639    | 103,644   | 122,793   | 107,418   | 121,032   |
| Contract labor                                  | 32,069    | 27,846    | 42,292    | 33,341    | 39,865    | 8,416     | 7,238     | 7,768     | 12,805    | 6,366     |
| Miscellaneous expenses                          | 277,689   | 294,438   | 270,889   | 287,376   | 334,275   | 134,874   | 145,420   | 155,670   | 162,044   | 160,432   |
| plus: Net government transactions               | -13,702   | 15,337    | -26,875   | -26,356   | -21,709   | 246,215   | 338,860   | 150,913   | 125,930   | 144,228   |
| + Direct government payments                    | 72,125    | 96,697    | 54,879    | 67,358    | 74,542    | 270,835   | 367,357   | 181,289   | 157,129   | 176,471   |
| - Motor vehicle registration and licensing fees | 6,362     | 8,382     | 6,420     | 8,270     | 8,292     | 2,656     | 2,937     | 2,111     | 2,436     | 2,622     |
| - Property taxes                                | 79,465    | 72,978    | 75,334    | 85,444    | 87,959    | 21,964    | 25,560    | 28,265    | 28,763    | 29,621    |
| Gross value added                               | 2,471,320 | 2,250,313 | 2,343,356 | 2,026,747 | 2,321,479 | 1,136,121 | 1,083,029 | 1,222,342 | 1,177,444 | 1,401,913 |
| less: Capital consumption                       | 551,393   | 557,065   | 555,809   | 562,805   | 566,907   | 198,567   | 198,292   | 200,143   | 202,027   | 203,246   |
| Net value added                                 | 1,919,927 | 1,693,248 | 1,787,547 | 1,463,942 | 1,754,572 | 937,554   | 884,737   | 1,022,199 | 975,417   | 1,198,667 |
| less: Factor payments                           | 607,022   | 584,788   | 606,291   | 650,649   | 708,709   | 504,765   | 501,721   | 497,679   | 454,809   | 497,723   |
| Employee compensation (total hired labor)       | 176,263   | 189,067   | 181,904   | 190,597   | 153,632   | 153,932   | 164,822   | 149,448   | 130,357   | 148,842   |
| Net rent received by nonoperator landlords      | 219,318   | 198,653   | 201,618   | 220,691   | 269,979   | 210,631   | 204,195   | 209,755   | 195,832   | 209,393   |
| Real estate and nonreal estate interest         | 211,441   | 197,068   | 222,769   | 239,361   | 245,098   | 140,202   | 132,704   | 138,476   | 128,620   | 139,488   |
| Net farm income                                 | 1,312,905 | 1,108,460 | 1,181,256 | 813,293   | 1,045,863 | 432,789   | 383,016   | 524,520   | 520,608   | 700,944   |

See footnotes at end of table.

Continued—

**Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96<sup>1</sup>—Continued**

| Item  | Maine   |         |         |         |         | Maryland  |           |           |           |           |
|---|---------|---------|---------|---------|---------|-----------|-----------|-----------|-----------|-----------|
|   | 1992    | 1993    | 1994    | 1995    | 1996    | 1992      | 1993      | 1994      | 1995      | 1996      |
| <i>Thousand dollars</i>                         |         |         |         |         |         |           |           |           |           |           |
| Final crop output                               | 262,743 | 206,615 | 225,794 | 210,320 | 240,566 | 561,116   | 492,741   | 568,283   | 526,870   | 684,567   |
| Food grains                                     | 0       | 0       | 0       | 0       | 0       | 35,182    | 29,904    | 36,363    | 55,730    | 52,977    |
| Feed crops                                      | 9,269   | 9,112   | 8,632   | 9,619   | 9,338   | 89,374    | 65,114    | 70,196    | 84,629    | 129,476   |
| Cotton  | 0       | 0       | 0       | 0       | 0       | 0         | 0         | 0         | 0         | 0         |
| Oil crops                                       | 0       | 0       | 0       | 0       | 0       | 91,878    | 89,971    | 93,883    | 72,918    | 93,742    |
| Tobacco   | 0       | 0       | 0       | 0       | 0       | 20,898    | 20,020    | 18,530    | 20,869    | 19,202    |
| Fruits and tree nuts                            | 55,263  | 36,218  | 33,374  | 39,052  | 50,318  | 12,288    | 11,492    | 11,670    | 13,453    | 12,290    |
| Vegetables                                      | 114,198 | 106,109 | 111,978 | 109,293 | 118,429 | 65,314    | 63,786    | 67,249    | 73,051    | 75,966    |
| All other crops                                 | 36,197  | 35,792  | 37,245  | 42,753  | 45,489  | 222,651   | 244,278   | 242,631   | 250,941   | 249,614   |
| Home consumption                                | 400     | 240     | 264     | 383     | 336     | 855       | 494       | 504       | 720       | 632       |
| Value of inventory adjustment <sup>2</sup>      | 47,416  | 19,144  | 34,301  | 9,220   | 16,657  | 22,676    | -32,318   | 27,257    | -45,441   | 50,669    |
| Final animal output                             | 253,295 | 271,513 | 269,303 | 254,709 | 263,325 | 804,364   | 817,082   | 810,697   | 818,603   | 890,713   |
| Meat animals                                    | 21,344  | 26,943  | 25,799  | 17,818  | 15,014  | 84,417    | 110,290   | 82,925    | 77,890    | 57,929    |
| Dairy products                                  | 92,595  | 92,384  | 89,645  | 88,297  | 101,457 | 200,760   | 186,260   | 181,525   | 175,560   | 199,971   |
| Poultry and eggs                                | 85,611  | 100,854 | 111,624 | 77,795  | 91,120  | 459,994   | 478,238   | 489,568   | 528,904   | 587,518   |
| Miscellaneous livestock                         | 47,984  | 48,396  | 43,093  | 65,665  | 53,946  | 40,243    | 45,973    | 44,683    | 51,210    | 55,085    |
| Home consumption                                | 2,211   | 2,496   | 2,321   | 1,903   | 1,864   | 7,186     | 7,173     | 6,594     | 5,347     | 4,454     |
| Value of inventory adjustment <sup>2</sup>      | 3,550   | 440     | -3,179  | 3,231   | -76     | 11,764    | -10,852   | 5,402     | -20,308   | -14,244   |
| Services and forestry                           | 42,817  | 44,388  | 45,497  | 47,339  | 45,057  | 189,747   | 207,156   | 227,614   | 243,422   | 244,328   |
| Machine hire and customwork                     | 4,692   | 4,816   | 5,069   | 5,199   | 5,075   | 12,856    | 13,196    | 13,891    | 14,247    | 13,908    |
| Forest products sold                            | 9,100   | 9,344   | 9,100   | 10,620  | 8,900   | 29,250    | 29,630    | 29,630    | 29,995    | 30,280    |
| Other farm income                               | 5,773   | 5,793   | 5,975   | 6,035   | 4,325   | 70,219    | 73,443    | 74,167    | 84,899    | 82,042    |
| Gross imputed rental value of farm dwellings    | 23,252  | 24,435  | 25,353  | 25,485  | 26,757  | 77,422    | 91,217    | 109,926   | 114,281   | 118,098   |
| Final agricultural sector output                | 558,855 | 522,516 | 540,594 | 512,368 | 548,949 | 1,555,227 | 1,516,979 | 1,606,594 | 1,588,895 | 1,819,608 |
| less: Intermediate consumption outlays          | 240,213 | 244,243 | 267,485 | 289,125 | 277,270 | 835,470   | 853,708   | 910,695   | 982,964   | 1,020,669 |
| Farm origin                                     | 84,576  | 87,266  | 87,641  | 101,650 | 98,605  | 395,271   | 403,198   | 396,066   | 427,994   | 488,876   |
| Feed purchased                                  | 61,815  | 64,095  | 63,036  | 73,779  | 67,831  | 297,601   | 302,553   | 292,907   | 317,942   | 375,863   |
| Livestock and poultry purchased                 | 5,642   | 5,990   | 4,984   | 5,083   | 4,447   | 64,905    | 67,761    | 65,605    | 66,437    | 62,624    |
| Seed purchased                                  | 17,119  | 17,181  | 19,621  | 22,788  | 26,327  | 32,765    | 32,884    | 37,554    | 43,615    | 50,389    |
| Manufactured inputs                             | 59,100  | 55,591  | 61,059  | 68,138  | 65,529  | 148,728   | 136,966   | 150,843   | 167,229   | 161,356   |
| Fertilizers and lime                            | 20,295  | 17,182  | 19,149  | 21,211  | 20,562  | 65,603    | 55,539    | 62,083    | 68,381    | 66,802    |
| Pesticides                                      | 16,595  | 15,474  | 18,659  | 21,530  | 18,933  | 35,789    | 33,372    | 40,240    | 46,431    | 40,830    |
| Petroleum fuel and oils                         | 14,053  | 14,399  | 14,365  | 15,932  | 17,040  | 30,401    | 30,334    | 30,073    | 32,768    | 35,052    |
| Electricity                                     | 8,157   | 8,536   | 8,886   | 9,465   | 8,994   | 16,935    | 17,721    | 18,447    | 19,649    | 18,672    |
| Other intermediate expenses                     | 96,537  | 101,386 | 118,785 | 119,337 | 113,136 | 291,471   | 313,544   | 363,786   | 387,741   | 370,437   |
| Repair and maintenance of capital items         | 27,276  | 26,931  | 29,522  | 29,031  | 29,047  | 74,073    | 75,930    | 81,798    | 75,683    | 73,600    |
| Machine hire and customwork                     | 5,768   | 6,969   | 9,328   | 12,326  | 9,025   | 15,618    | 18,869    | 25,257    | 33,376    | 24,436    |
| Marketing, storage, and transportation expenses | 15,252  | 18,166  | 24,216  | 23,615  | 20,861  | 43,633    | 53,618    | 70,290    | 73,693    | 65,956    |
| Contract labor                                  | 2,712   | 2,855   | 3,817   | 3,177   | 4,706   | 2,838     | 2,987     | 3,994     | 3,324     | 4,923     |
| Miscellaneous expenses                          | 45,529  | 46,465  | 51,902  | 51,188  | 49,497  | 155,309   | 162,140   | 182,447   | 201,665   | 201,522   |
| plus: Net government transactions               | -10,612 | -1,364  | -8,988  | -8,999  | -18,588 | -20,306   | -10,257   | -24,437   | -24,819   | -22,523   |
| + Direct government payments                    | 10,253  | 19,667  | 14,114  | 14,080  | 4,638   | 16,067    | 26,289    | 15,601    | 15,142    | 17,647    |
| - Motor vehicle registration and licensing fees | 1,066   | 880     | 1,594   | 1,795   | 1,549   | 2,111     | 1,675     | 2,819     | 3,130     | 2,658     |
| - Property taxes                                | 19,799  | 20,151  | 21,508  | 21,284  | 21,677  | 34,262    | 34,871    | 37,219    | 36,831    | 37,512    |
| Gross value added                               | 308,030 | 276,909 | 264,121 | 214,243 | 253,091 | 699,451   | 653,014   | 671,462   | 581,112   | 776,416   |
| less: Capital consumption                       | 55,820  | 55,533  | 56,155  | 55,508  | 55,124  | 155,103   | 158,117   | 162,786   | 163,615   | 161,540   |
| Net value added                                 | 252,210 | 221,376 | 207,966 | 158,735 | 197,967 | 544,348   | 494,897   | 508,676   | 417,497   | 614,876   |
| less: Factor payments                           | 91,762  | 92,848  | 98,990  | 107,581 | 111,121 | 203,182   | 190,570   | 215,710   | 224,969   | 242,253   |
| Employee compensation (total hired labor)       | 59,462  | 62,816  | 64,089  | 70,444  | 73,781  | 91,142    | 98,233    | 107,975   | 113,091   | 113,091   |
| Net rent received by nonoperator landlords      | 9,035   | 9,210   | 9,557   | 11,240  | 9,890   | 41,443    | 32,700    | 37,887    | 41,890    | 49,987    |
| Real estate and nonreal estate interest         | 23,265  | 20,822  | 25,344  | 25,897  | 27,450  | 70,597    | 61,587    | 79,590    | 75,104    | 79,175    |
| Net farm income                                 | 160,448 | 128,528 | 108,976 | 51,155  | 86,846  | 341,166   | 304,327   | 292,965   | 192,528   | 372,622   |

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96<sup>1</sup>—Continued

| Item  | Massachusetts |         |         |         |         | Michigan  |           |           |           |           |
|---|---------------|---------|---------|---------|---------|-----------|-----------|-----------|-----------|-----------|
|   | 1992          | 1993    | 1994    | 1995    | 1996    | 1992      | 1993      | 1994      | 1995      | 1996      |
| <i>Thousand dollars</i>                         |               |         |         |         |         |           |           |           |           |           |
| Final crop output                               | 324,605       | 317,473 | 335,443 | 336,510 | 359,364 | 1,878,348 | 1,977,978 | 2,058,306 | 2,325,830 | 2,005,747 |
| Food grains                                     | 0             | 0       | 0       | 0       | 0       | 97,134    | 76,685    | 91,645    | 143,737   | 102,482   |
| Feed crops                                      | 5,777         | 5,336   | 5,424   | 5,576   | 5,253   | 398,805   | 420,962   | 403,436   | 532,681   | 534,122   |
| Cotton  | 0             | 0       | 0       | 0       | 0       | 0         | 0         | 0         | 0         | 0         |
| Oil crops                                       | 0             | 0       | 0       | 0       | 0       | 289,236   | 303,012   | 305,782   | 364,074   | 352,218   |
| Tobacco   | 9,967         | 7,826   | 7,030   | 1,240   | 1,867   | 0         | 0         | 0         | 0         | 0         |
| Fruits and tree nuts                            | 123,362       | 117,772 | 119,825 | 107,210 | 120,529 | 209,238   | 203,175   | 186,864   | 204,072   | 223,135   |
| Vegetables                                      | 55,919        | 59,073  | 63,809  | 60,638  | 75,707  | 371,888   | 417,580   | 451,298   | 448,507   | 429,332   |
| All other crops                                 | 128,466       | 132,327 | 135,492 | 161,480 | 165,275 | 535,019   | 547,474   | 577,427   | 589,562   | 553,657   |
| Home consumption                                | 351           | 204     | 209     | 302     | 265     | 2,959     | 1,712     | 1,809     | 2,719     | 2,385     |
| Value of inventory adjustment <sup>2</sup>      | 763           | -5,065  | 3,654   | 64      | -9,532  | -25,931   | 7,378     | 40,045    | 40,478    | -191,584  |
| Final animal output                             | 125,964       | 120,887 | 117,720 | 99,548  | 107,167 | 1,354,867 | 1,400,653 | 1,389,900 | 1,323,130 | 1,422,734 |
| Meat animals                                    | 14,194        | 15,254  | 13,922  | 10,331  | 11,844  | 456,808   | 507,135   | 494,257   | 456,484   | 452,014   |
| Dairy products                                  | 74,450        | 68,069  | 66,148  | 62,624  | 69,992  | 716,344   | 704,931   | 739,045   | 717,469   | 807,488   |
| Poultry and eggs                                | 21,145        | 22,312  | 21,867  | 10,251  | 10,882  | 109,961   | 131,834   | 128,138   | 129,151   | 139,785   |
| Miscellaneous livestock                         | 15,075        | 15,431  | 15,500  | 16,268  | 16,349  | 26,468    | 27,140    | 37,223    | 40,373    | 48,694    |
| Home consumption                                | 1,689         | 1,863   | 1,622   | 1,269   | 1,429   | 10,939    | 10,917    | 11,949    | 11,427    | 9,873     |
| Value of inventory adjustment <sup>2</sup>      | -589          | -2,042  | -1,339  | -1,195  | -3,329  | 34,347    | 18,696    | -20,712   | -31,774   | -35,120   |
| Services and forestry                           | 59,130        | 59,803  | 61,538  | 61,181  | 60,729  | 272,521   | 291,898   | 325,445   | 354,334   | 387,634   |
| Machine hire and customwork                     | 3,280         | 3,366   | 3,544   | 3,634   | 3,548   | 41,971    | 41,819    | 47,370    | 36,725    | 53,199    |
| Forest products sold                            | 2,810         | 1,836   | 2,172   | 2,612   | 2,210   | 9,800     | 10,100    | 11,000    | 10,000    | 10,000    |
| Other farm income                               | 7,284         | 7,297   | 7,549   | 7,622   | 5,402   | 44,021    | 45,294    | 45,918    | 50,881    | 50,181    |
| Gross imputed rental value of farm dwellings    | 45,756        | 47,304  | 48,273  | 47,313  | 49,567  | 176,729   | 194,685   | 221,157   | 256,728   | 274,254   |
| Final agricultural sector output                | 509,699       | 498,163 | 514,701 | 497,239 | 527,260 | 3,505,736 | 3,670,529 | 3,773,651 | 4,003,294 | 3,816,115 |
| less: Intermediate consumption outlays          | 167,344       | 168,750 | 187,085 | 192,931 | 189,887 | 1,787,899 | 1,980,077 | 2,132,045 | 2,080,891 | 2,048,965 |
| Farm origin                                     | 41,524        | 40,914  | 39,963  | 43,477  | 44,605  | 562,184   | 620,775   | 650,644   | 602,084   | 599,950   |
| Feed purchased                                  | 29,004        | 28,296  | 25,975  | 27,315  | 26,018  | 324,973   | 344,826   | 370,987   | 371,381   | 362,194   |
| Livestock and poultry purchased                 | 987           | 1,043   | 769     | 810     | 851     | 65,805    | 91,958    | 81,010    | 47,176    | 36,878    |
| Seed purchased                                  | 11,533        | 11,575  | 13,219  | 15,352  | 17,736  | 171,406   | 183,991   | 198,647   | 183,527   | 200,878   |
| Manufactured inputs                             | 37,241        | 36,494  | 38,976  | 43,951  | 43,022  | 577,262   | 596,491   | 657,590   | 645,978   | 665,676   |
| Fertilizers and lime                            | 10,769        | 9,798   | 10,533  | 12,376  | 12,108  | 225,278   | 225,610   | 269,947   | 266,654   | 269,402   |
| Pesticides                                      | 7,803         | 7,276   | 8,774   | 10,124  | 8,902   | 169,684   | 184,450   | 198,351   | 199,344   | 215,638   |
| Petroleum fuel and oils                         | 11,947        | 12,386  | 12,347  | 13,651  | 14,600  | 130,347   | 134,293   | 136,715   | 128,524   | 129,547   |
| Electricity                                     | 6,722         | 7,034   | 7,322   | 7,800   | 7,412   | 51,953    | 52,138    | 52,577    | 51,456    | 51,089    |
| Other intermediate expenses                     | 88,579        | 91,342  | 108,146 | 105,503 | 102,260 | 648,453   | 762,811   | 823,811   | 832,829   | 783,339   |
| Repair and maintenance of capital items         | 31,452        | 30,847  | 30,776  | 27,958  | 28,893  | 212,167   | 241,764   | 247,655   | 242,862   | 275,710   |
| Machine hire and customwork                     | 4,678         | 5,652   | 7,565   | 9,997   | 7,319   | 46,817    | 65,188    | 74,766    | 73,319    | 61,174    |
| Marketing, storage, and transportation expenses | 14,787        | 17,672  | 23,567  | 22,846  | 20,542  | 89,861    | 96,520    | 128,345   | 126,200   | 107,494   |
| Contract labor                                  | 2,365         | 2,489   | 3,328   | 2,769   | 4,102   | 8,657     | 17,434    | 14,100    | 9,561     | 11,904    |
| Miscellaneous expenses                          | 35,297        | 34,682  | 42,910  | 41,933  | 41,404  | 290,951   | 341,905   | 358,945   | 380,887   | 327,057   |
| plus: Net government transactions               | -18,282       | -19,620 | -20,543 | -22,699 | -23,939 | -168,925  | -79,853   | -84,362   | -42,111   | -84,952   |
| + Direct government payments                    | 4,761         | 3,643   | 4,717   | 2,458   | 1,548   | 142,509   | 241,342   | 102,065   | 150,996   | 109,585   |
| - Motor vehicle registration and licensing fees | 873           | 698     | 1,176   | 1,324   | 1,213   | 9,013     | 7,207     | 7,776     | 8,402     | 8,082     |
| - Property taxes                                | 22,170        | 22,565  | 24,084  | 23,833  | 24,274  | 302,421   | 313,988   | 178,651   | 184,705   | 186,455   |
| Gross value added                               | 324,073       | 309,793 | 307,072 | 281,609 | 313,434 | 1,548,912 | 1,610,599 | 1,557,244 | 1,880,291 | 1,682,198 |
| less: Capital consumption                       | 62,162        | 59,977  | 57,448  | 56,247  | 57,335  | 510,141   | 502,803   | 515,342   | 531,944   | 532,032   |
| Net value added                                 | 261,911       | 249,816 | 249,624 | 225,362 | 256,099 | 1,038,771 | 1,107,796 | 1,041,902 | 1,348,347 | 1,150,166 |
| less: Factor payments                           | 94,416        | 97,139  | 103,115 | 108,670 | 114,247 | 631,271   | 650,026   | 697,195   | 686,313   | 774,271   |
| Employee compensation (total hired labor)       | 75,281        | 79,528  | 81,139  | 89,185  | 93,410  | 418,799   | 418,000   | 437,263   | 407,200   | 471,640   |
| Net rent received by nonoperator landlords      | -1,566        | -1,783  | -1,846  | -1,184  | -1,049  | 8,435     | 40,409    | 41,007    | 49,020    | 60,364    |
| Real estate and nonreal estate interest         | 20,701        | 19,394  | 23,822  | 20,669  | 21,886  | 204,037   | 191,617   | 218,925   | 230,093   | 242,267   |
| Net farm income                                 | 167,495       | 152,677 | 146,509 | 116,692 | 141,852 | 407,500   | 457,770   | 344,707   | 662,034   | 375,895   |

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96<sup>1</sup>—Continued

| Item  | Minnesota |           |           |           |           | Mississippi |           |           |           |           |
|---|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-----------|-----------|-----------|
|   | 1992      | 1993      | 1994      | 1995      | 1996      | 1992        | 1993      | 1994      | 1995      | 1996      |
| <i>Thousand dollars</i>                         |           |           |           |           |           |             |           |           |           |           |
| Final crop output                               | 3,246,653 | 1,826,402 | 4,034,990 | 3,715,810 | 4,756,530 | 1,277,000   | 944,765   | 1,413,173 | 1,302,886 | 1,634,334 |
| Food grains                                     | 377,900   | 317,466   | 243,202   | 280,252   | 414,170   | 140,071     | 95,277    | 161,632   | 145,396   | 186,844   |
| Feed crops                                      | 1,215,110 | 896,740   | 1,005,027 | 1,421,177 | 1,859,633 | 87,496      | 65,313    | 84,670    | 99,372    | 185,687   |
| Cotton  | 0         | 0         | 0         | 0         | 0         | 687,302     | 508,091   | 570,961   | 798,336   | 726,425   |
| Oil crops                                       | 949,269   | 858,573   | 991,898   | 1,348,037 | 1,661,467 | 302,048     | 302,090   | 266,984   | 303,415   | 328,010   |
| Tobacco   | 0         | 0         | 0         | 0         | 0         | 0           | 0         | 0         | 0         | 0         |
| Fruits and tree nuts                            | 11,701    | 9,659     | 9,840     | 10,379    | 11,196    | 6,820       | 6,740     | 9,121     | 8,460     | 4,205     |
| Vegetables                                      | 216,008   | 167,718   | 231,727   | 219,880   | 274,573   | 41,763      | 39,573    | 44,695    | 42,574    | 41,657    |
| All other crops                                 | 433,007   | 333,609   | 477,629   | 401,475   | 419,469   | 43,680      | 45,289    | 45,759    | 50,946    | 55,677    |
| Home consumption                                | 4,823     | 2,864     | 2,956     | 4,380     | 3,843     | 2,137       | 1,284     | 1,356     | 2,114     | 1,855     |
| Value of inventory adjustment <sup>2</sup>      | 38,835    | -760,227  | 1,072,711 | 30,230    | 112,179   | -34,317     | -118,892  | 227,995   | -147,727  | 103,974   |
| Final animal output                             | 3,643,322 | 3,739,605 | 3,540,792 | 3,534,738 | 4,086,629 | 1,382,937   | 1,588,060 | 1,698,261 | 1,712,548 | 1,923,434 |
| Meat animals                                    | 1,837,179 | 1,992,194 | 1,707,807 | 1,715,400 | 2,057,005 | 229,535     | 271,695   | 266,963   | 192,049   | 188,026   |
| Dairy products                                  | 1,250,305 | 1,226,240 | 1,194,086 | 1,181,688 | 1,362,180 | 106,500     | 103,600   | 102,950   | 96,585    | 105,616   |
| Poultry and eggs                                | 489,060   | 509,014   | 516,715   | 519,140   | 710,265   | 765,236     | 923,601   | 1,047,093 | 1,114,795 | 1,354,234 |
| Miscellaneous livestock                         | 29,621    | 27,576    | 29,394    | 32,015    | 38,973    | 231,031     | 269,165   | 289,044   | 282,338   | 286,403   |
| Home consumption                                | 21,475    | 19,497    | 17,266    | 16,689    | 16,961    | 6,049       | 6,285     | 5,036     | 4,734     | 3,567     |
| Value of inventory adjustment <sup>2</sup>      | 15,682    | -34,916   | 75,524    | 69,806    | -98,755   | 44,586      | 13,714    | -12,825   | 22,047    | -14,412   |
| Services and forestry                           | 573,735   | 597,387   | 637,957   | 667,784   | 708,140   | 296,249     | 353,695   | 374,320   | 416,164   | 435,966   |
| Machine hire and customwork                     | 76,808    | 76,529    | 86,687    | 67,207    | 97,355    | 14,083      | 14,083    | 20,136    | 11,187    | 11,808    |
| Forest products sold                            | 2,828     | 2,825     | 2,850     | 2,800     | 2,800     | 40,000      | 44,800    | 47,156    | 48,500    | 45,500    |
| Other farm income                               | 212,878   | 216,969   | 220,611   | 246,380   | 243,293   | 113,763     | 155,030   | 141,998   | 183,015   | 199,402   |
| Gross imputed rental value of farm dwellings    | 281,221   | 301,064   | 327,809   | 351,397   | 364,692   | 128,403     | 139,782   | 165,030   | 173,462   | 179,256   |
| Final agricultural sector output                | 7,463,710 | 6,163,394 | 8,213,739 | 7,918,332 | 9,551,299 | 2,956,186   | 2,886,520 | 3,485,754 | 3,431,598 | 3,993,734 |
| less: Intermediate consumption outlays          | 4,087,493 | 4,411,226 | 4,774,131 | 4,699,677 | 4,821,856 | 1,807,576   | 2,024,580 | 2,178,362 | 2,164,176 | 2,341,027 |
| Farm origin                                     | 1,585,727 | 1,656,138 | 1,767,198 | 1,773,831 | 1,839,889 | 628,391     | 756,494   | 822,236   | 787,974   | 814,152   |
| Feed purchased                                  | 870,791   | 907,170   | 966,555   | 1,064,216 | 1,110,359 | 478,085     | 597,625   | 643,233   | 614,702   | 624,484   |
| Livestock and poultry purchased                 | 374,267   | 383,285   | 367,045   | 344,855   | 330,285   | 95,367      | 104,110   | 120,249   | 121,476   | 127,307   |
| Seed purchased                                  | 340,669   | 365,683   | 433,598   | 364,760   | 399,245   | 54,940      | 54,759    | 58,754    | 51,796    | 62,361    |
| Manufactured inputs                             | 1,146,175 | 1,214,197 | 1,328,981 | 1,270,761 | 1,309,680 | 486,564     | 476,467   | 473,329   | 488,802   | 547,505   |
| Fertilizers and lime                            | 410,980   | 440,399   | 493,210   | 480,535   | 485,256   | 128,863     | 124,799   | 124,984   | 136,369   | 168,179   |
| Pesticides                                      | 342,313   | 372,102   | 427,723   | 402,147   | 435,018   | 241,132     | 231,869   | 238,926   | 226,061   | 246,462   |
| Petroleum fuel and oils                         | 275,038   | 283,431   | 288,788   | 271,362   | 273,521   | 87,012      | 88,282    | 84,777    | 84,403    | 93,051    |
| Electricity                                     | 117,844   | 118,265   | 119,260   | 116,717   | 115,885   | 29,557      | 31,517    | 24,642    | 41,969    | 39,813    |
| Other intermediate expenses                     | 1,355,591 | 1,540,891 | 1,677,952 | 1,655,085 | 1,672,287 | 692,620     | 791,619   | 882,797   | 887,400   | 979,371   |
| Repair and maintenance of capital items         | 397,175   | 462,956   | 457,977   | 437,530   | 497,540   | 152,376     | 161,338   | 150,095   | 157,374   | 202,561   |
| Machine hire and customwork                     | 108,319   | 150,826   | 191,769   | 169,638   | 141,539   | 140,925     | 148,083   | 173,800   | 141,165   | 178,824   |
| Marketing, storage, and transportation expenses | 190,562   | 183,183   | 240,796   | 248,127   | 259,930   | 110,744     | 151,870   | 174,917   | 167,227   | 178,948   |
| Contract labor                                  | 8,323     | 16,761    | 13,556    | 9,192     | 11,444    | 12,162      | 10,460    | 11,226    | 18,504    | 9,200     |
| Miscellaneous expenses                          | 651,212   | 727,165   | 773,854   | 790,598   | 761,834   | 276,413     | 319,868   | 372,759   | 403,130   | 409,838   |
| plus: Net government transactions               | 137,339   | 531,346   | 308,526   | 142,759   | 21,344    | 235,090     | 331,872   | 169,710   | 71,467    | 125,098   |
| + Direct government payments                    | 422,023   | 823,250   | 622,280   | 467,601   | 348,804   | 279,904     | 383,791   | 225,528   | 129,159   | 184,925   |
| - Motor vehicle registration and licensing fees | 16,878    | 13,855    | 14,606    | 15,556    | 15,244    | 3,992       | 4,414     | 3,286     | 4,235     | 4,774     |
| - Property taxes                                | 267,806   | 278,049   | 299,148   | 309,286   | 312,216   | 40,822      | 47,505    | 52,532    | 53,457    | 55,053    |
| Gross value added                               | 3,513,555 | 2,283,514 | 3,748,135 | 3,361,414 | 4,750,788 | 1,383,701   | 1,193,812 | 1,477,103 | 1,338,890 | 1,777,804 |
| less: Capital consumption                       | 975,127   | 974,666   | 975,328   | 985,712   | 981,871   | 248,641     | 255,017   | 263,529   | 274,079   | 280,302   |
| Net value added                                 | 2,538,428 | 1,308,848 | 2,772,807 | 2,375,702 | 3,768,917 | 1,135,060   | 938,795   | 1,213,574 | 1,064,811 | 1,497,502 |
| less: Factor payments                           | 1,185,952 | 1,212,484 | 1,293,812 | 1,317,710 | 1,525,994 | 545,566     | 565,705   | 543,577   | 488,523   | 533,830   |
| Employee compensation (total hired labor)       | 344,287   | 343,630   | 359,466   | 334,752   | 387,727   | 176,809     | 189,317   | 171,658   | 149,731   | 170,963   |
| Net rent received by nonoperator landlords      | 324,949   | 352,555   | 342,625   | 313,178   | 442,279   | 166,989     | 172,764   | 166,329   | 137,260   | 147,311   |
| Real estate and nonreal estate interest         | 516,716   | 516,299   | 591,721   | 669,780   | 695,988   | 201,768     | 203,624   | 205,590   | 201,532   | 215,556   |
| Net farm income                                 | 1,352,476 | 96,364    | 1,478,995 | 1,057,992 | 2,242,923 | 589,494     | 373,090   | 669,997   | 576,288   | 963,672   |

See footnotes at end of table.

Continued—



Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96<sup>1</sup>—Continued

| Item  | Missouri  |           |           |           |           | Montana   |           |           |           |           |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|   | 1992      | 1993      | 1994      | 1995      | 1996      | 1992      | 1993      | 1994      | 1995      | 1996      |
| <i>Thousand dollars</i>                         |           |           |           |           |           |           |           |           |           |           |
| Final crop output                               | 2,221,024 | 1,580,310 | 2,318,620 | 1,827,284 | 2,922,547 | 802,093   | 1,026,360 | 898,327   | 1,179,414 | 1,155,185 |
| Food grains                                     | 224,415   | 163,984   | 199,215   | 235,297   | 252,094   | 480,123   | 561,062   | 705,597   | 726,894   | 860,646   |
| Feed crops                                      | 679,948   | 648,150   | 670,026   | 595,490   | 871,053   | 291,872   | 195,430   | 206,450   | 236,828   | 250,170   |
| Cotton  | 157,282   | 123,857   | 216,360   | 204,278   | 224,716   | 0         | 0         | 0         | 0         | 0         |
| Oil crops                                       | 860,933   | 764,353   | 862,132   | 896,724   | 996,276   | 5,013     | 6,463     | 8,452     | 9,919     | 8,205     |
| Tobacco   | 7,226     | 6,337     | 13,283    | 9,310     | 12,078    | 0         | 0         | 0         | 0         | 0         |
| Fruits and tree nuts                            | 12,778    | 14,490    | 12,625    | 13,868    | 11,339    | 481       | 312       | 920       | 1,067     | 1,044     |
| Vegetables                                      | 20,907    | 20,708    | 25,221    | 26,355    | 23,232    | 18,647    | 23,356    | 26,045    | 24,237    | 29,601    |
| All other crops                                 | 98,911    | 94,626    | 99,363    | 106,010   | 109,488   | 73,413    | 70,301    | 81,490    | 74,932    | 80,633    |
| Home consumption                                | 5,864     | 3,489     | 3,652     | 5,286     | 4,638     | 1,332     | 783       | 783       | 1,108     | 972       |
| Value of inventory adjustment <sup>2</sup>      | 152,760   | -259,684  | 216,743   | -265,334  | 417,633   | -68,788   | 168,653   | -131,410  | 104,429   | -76,086   |
| Final animal output                             | 2,256,768 | 2,433,020 | 2,366,641 | 2,331,637 | 2,417,820 | 874,964   | 991,822   | 973,693   | 831,425   | 769,987   |
| Meat animals                                    | 1,332,949 | 1,399,784 | 1,516,932 | 1,287,019 | 1,281,536 | 838,865   | 883,758   | 786,141   | 727,155   | 721,632   |
| Dairy products                                  | 378,430   | 356,864   | 352,176   | 343,850   | 362,400   | 41,695    | 39,026    | 40,478    | 40,299    | 44,688    |
| Poultry and eggs                                | 424,296   | 489,375   | 559,229   | 614,637   | 769,077   | 6,657     | 6,864     | 4,814     | 5,298     | 6,228     |
| Miscellaneous livestock                         | 29,643    | 29,534    | 35,013    | 39,524    | 37,132    | 24,033    | 19,669    | 24,227    | 23,499    | 24,379    |
| Home consumption                                | 25,482    | 24,002    | 22,034    | 18,898    | 15,935    | 9,326     | 9,074     | 10,152    | 8,071     | 7,748     |
| Value of inventory adjustment <sup>2</sup>      | 65,968    | 133,461   | -118,743  | 27,709    | -48,260   | -45,612   | 33,431    | 107,881   | 27,103    | -34,688   |
| Services and forestry                           | 416,107   | 454,093   | 503,872   | 562,253   | 581,346   | 178,107   | 202,276   | 219,152   | 239,975   | 266,956   |
| Machine hire and customwork                     | 52,917    | 52,746    | 53,990    | 65,170    | 46,915    | 33,496    | 34,896    | 37,364    | 36,349    | 35,246    |
| Forest products sold                            | 6,200     | 6,200     | 6,200     | 6,100     | 6,000     | 3,300     | 3,450     | 3,600     | 3,600     | 3,600     |
| Other farm income                               | 85,506    | 97,096    | 93,491    | 112,596   | 131,251   | 45,305    | 55,145    | 48,023    | 58,582    | 81,415    |
| Gross imputed rental value of farm dwellings    | 271,484   | 298,051   | 350,191   | 378,387   | 397,180   | 96,006    | 108,785   | 130,165   | 141,444   | 146,695   |
| Final agricultural sector output                | 4,893,899 | 4,467,423 | 5,189,133 | 4,721,174 | 5,921,713 | 1,855,164 | 2,220,458 | 2,091,172 | 2,250,814 | 2,192,128 |
| less: Intermediate consumption outlays          | 2,645,608 | 2,784,002 | 2,949,987 | 2,934,661 | 3,116,834 | 834,531   | 895,449   | 1,046,825 | 1,051,055 | 1,109,438 |
| Farm origin                                     | 1,078,553 | 1,145,646 | 1,234,386 | 1,190,912 | 1,252,406 | 190,120   | 205,976   | 225,026   | 215,884   | 233,707   |
| Feed purchased                                  | 828,928   | 867,766   | 943,658   | 895,521   | 915,360   | 94,428    | 97,036    | 116,819   | 127,330   | 132,959   |
| Livestock and poultry purchased                 | 100,216   | 119,436   | 134,413   | 140,834   | 161,957   | 64,464    | 75,585    | 69,081    | 51,140    | 59,544    |
| Seed purchased                                  | 149,409   | 158,444   | 156,315   | 154,557   | 175,089   | 31,227    | 33,355    | 39,126    | 37,414    | 41,204    |
| Manufactured inputs                             | 735,802   | 754,173   | 767,237   | 802,684   | 879,386   | 234,414   | 239,677   | 282,817   | 300,634   | 334,158   |
| Fertilizers and lime                            | 332,105   | 334,085   | 336,702   | 364,536   | 409,981   | 68,755    | 73,491    | 92,058    | 102,863   | 113,371   |
| Pesticides                                      | 191,071   | 196,932   | 221,157   | 233,668   | 271,667   | 47,446    | 52,256    | 61,095    | 64,252    | 70,120    |
| Petroleum fuel and oils                         | 161,171   | 164,644   | 159,697   | 153,904   | 148,122   | 86,700    | 84,136    | 92,080    | 92,576    | 103,127   |
| Electricity                                     | 51,455    | 58,512    | 49,681    | 50,576    | 49,616    | 31,513    | 29,794    | 37,584    | 40,943    | 47,540    |
| Other intermediate expenses                     | 831,253   | 884,183   | 948,364   | 941,065   | 985,041   | 409,997   | 449,796   | 538,982   | 534,537   | 541,573   |
| Repair and maintenance of capital items         | 324,058   | 330,299   | 324,236   | 354,027   | 370,012   | 143,237   | 142,267   | 161,305   | 157,892   | 169,610   |
| Machine hire and customwork                     | 92,688    | 100,829   | 114,431   | 109,307   | 115,839   | 45,179    | 48,411    | 49,892    | 61,835    | 43,133    |
| Marketing, storage, and transportation expenses | 63,988    | 68,962    | 87,066    | 71,136    | 81,102    | 29,696    | 48,995    | 57,072    | 56,166    | 51,712    |
| Contract labor                                  | 12,695    | 9,447     | 10,962    | 9,554     | 15,492    | 7,511     | 7,681     | 7,030     | 10,477    | 12,656    |
| Miscellaneous expenses                          | 337,824   | 374,646   | 411,669   | 397,041   | 402,596   | 184,374   | 202,442   | 263,683   | 248,167   | 264,462   |
| plus: Net government transactions               | 159,087   | 317,891   | 123,129   | 107,737   | 143,351   | 199,376   | 230,653   | 132,410   | 59,370    | 105,416   |
| + Direct government payments                    | 293,645   | 455,364   | 267,404   | 255,972   | 289,279   | 298,773   | 338,008   | 256,143   | 189,801   | 240,874   |
| - Motor vehicle registration and licensing fees | 18,133    | 17,708    | 18,873    | 21,747    | 18,667    | 8,986     | 10,547    | 13,062    | 10,518    | 12,141    |
| - Property taxes                                | 116,425   | 119,765   | 125,402   | 126,488   | 127,261   | 90,411    | 96,808    | 110,671   | 119,913   | 123,317   |
| Gross value added                               | 2,407,378 | 2,001,312 | 2,362,275 | 1,894,250 | 2,948,230 | 1,220,009 | 1,555,662 | 1,176,757 | 1,259,129 | 1,188,106 |
| less: Capital consumption                       | 671,192   | 680,622   | 697,034   | 706,237   | 708,531   | 281,784   | 283,655   | 288,338   | 288,968   | 288,036   |
| Net value added                                 | 1,736,186 | 1,320,690 | 1,665,241 | 1,188,013 | 2,239,699 | 938,225   | 1,272,007 | 888,419   | 970,161   | 900,070   |
| less: Factor payments                           | 926,447   | 872,068   | 871,855   | 882,345   | 1,045,127 | 411,095   | 422,053   | 476,011   | 556,996   | 565,172   |
| Employee compensation (total hired labor)       | 200,186   | 214,068   | 203,479   | 196,294   | 191,147   | 81,565    | 100,510   | 131,521   | 137,683   | 135,822   |
| Net rent received by nonoperator landlords      | 344,460   | 285,406   | 285,653   | 257,512   | 400,748   | 135,539   | 141,797   | 144,147   | 207,108   | 216,182   |
| Real estate and nonreal estate interest         | 381,801   | 372,594   | 382,723   | 428,539   | 453,232   | 193,991   | 179,746   | 200,343   | 212,205   | 213,168   |
| Net farm income                                 | 809,739   | 448,622   | 793,386   | 305,668   | 1,194,572 | 527,130   | 849,954   | 412,408   | 413,165   | 334,898   |

See footnotes at end of table.

Continued—

**Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96<sup>1</sup>—Continued**

| Item  | Nebraska  |           |           |           |            | Nevada  |         |         |         |         |
|---|-----------|-----------|-----------|-----------|------------|---------|---------|---------|---------|---------|
|   | 1992      | 1993      | 1994      | 1995      | 1996       | 1992    | 1993    | 1994    | 1995    | 1996    |
| <i>Thousand dollars</i>                         |           |           |           |           |            |         |         |         |         |         |
| Final crop output                               | 3,244,869 | 2,464,663 | 3,723,753 | 3,321,441 | 4,859,219  | 67,007  | 114,874 | 118,661 | 123,196 | 138,127 |
| Food grains                                     | 178,359   | 214,050   | 236,438   | 337,056   | 339,176    | 2,348   | 2,450   | 2,445   | 3,296   | 6,174   |
| Feed crops                                      | 2,149,396 | 2,073,086 | 2,015,290 | 2,512,961 | 2,781,907  | 39,894  | 56,767  | 65,363  | 67,035  | 67,669  |
| Cotton  | 0         | 0         | 0         | 0         | 0          | 0       | 0       | 0       | 0       | 0       |
| Oil crops                                       | 503,859   | 546,367   | 638,408   | 706,292   | 834,649    | 4       | 0       | 0       | 0       | 0       |
| Tobacco   | 0         | 0         | 0         | 0         | 0          | 0       | 0       | 0       | 0       | 0       |
| Fruits and tree nuts                            | 1,950     | 1,800     | 1,300     | 1,300     | 1,300      | 77      | 86      | 77      | 73      | 85      |
| Vegetables                                      | 70,096    | 75,809    | 100,252   | 108,573   | 125,741    | 19,221  | 33,842  | 36,163  | 32,427  | 42,123  |
| All other crops                                 | 105,925   | 114,086   | 119,396   | 96,398    | 94,007     | 11,534  | 9,441   | 13,000  | 15,665  | 16,515  |
| Home consumption                                | 1,809     | 1,070     | 1,113     | 1,611     | 1,414      | 137     | 79      | 83      | 126     | 110     |
| Value of inventory adjustment <sup>2</sup>      | 233,475   | -561,605  | 611,556   | -442,750  | 681,025    | -6,208  | 12,209  | 1,530   | 4,574   | 5,451   |
| Final animal output                             | 5,758,404 | 6,000,266 | 5,323,577 | 5,375,243 | 5,355,568  | 182,950 | 187,639 | 198,540 | 163,637 | 164,763 |
| Meat animals                                    | 5,407,511 | 5,567,711 | 5,135,540 | 4,907,775 | 4,949,586  | 147,147 | 146,284 | 134,688 | 109,215 | 86,911  |
| Dairy products                                  | 150,570   | 136,250   | 138,240   | 133,125   | 147,600    | 43,152  | 42,189  | 50,750  | 50,520  | 62,310  |
| Poultry and eggs                                | 74,792    | 99,989    | 89,561    | 107,080   | 136,149    | 50      | 39      | 52      | 55      | 56      |
| Miscellaneous livestock                         | 42,804    | 42,347    | 41,374    | 42,540    | 43,926     | 3,992   | 3,708   | 4,143   | 3,795   | 4,159   |
| Home consumption                                | 9,911     | 9,574     | 9,263     | 9,063     | 9,215      | 1,823   | 1,901   | 1,871   | 1,529   | 1,339   |
| Value of inventory adjustment <sup>2</sup>      | 72,816    | 144,395   | -90,401   | 175,660   | 69,092     | -13,214 | (6,482) | 7,036   | -1,477  | 9,988   |
| Services and forestry                           | 425,176   | 480,743   | 523,358   | 569,772   | 645,368    | 38,284  | 41,016  | 45,020  | 51,173  | 56,811  |
| Machine hire and customwork                     | 80,616    | 85,289    | 129,614   | 103,654   | 129,833    | 4,710   | 4,907   | 5,254   | 5,111   | 4,956   |
| Forest products sold                            | 2,650     | 2,550     | 2,000     | 2,000     | 2,000      | 88      | 250     | 100     | 100     | 100     |
| Other farm income                               | 205,335   | 242,802   | 212,199   | 269,874   | 310,433    | 6,766   | 7,248   | 6,200   | 7,265   | 9,337   |
| Gross imputed rental value of farm dwellings    | 136,575   | 150,102   | 179,545   | 194,244   | 203,102    | 26,720  | 28,611  | 33,466  | 38,697  | 42,418  |
| Final agricultural sector output                | 9,428,449 | 8,945,672 | 9,570,688 | 9,266,456 | 10,860,155 | 288,241 | 343,529 | 362,221 | 338,006 | 359,701 |
| less: Intermediate consumption outlays          | 5,149,798 | 5,500,500 | 5,200,160 | 5,321,825 | 5,293,234  | 141,687 | 155,654 | 188,682 | 177,143 | 186,903 |
| Farm origin                                     | 3,170,509 | 3,425,047 | 2,962,071 | 2,921,630 | 2,720,114  | 49,092  | 57,062  | 69,793  | 56,555  | 62,403  |
| Feed purchased                                  | 739,593   | 778,900   | 790,666   | 768,265   | 793,577    | 32,602  | 29,900  | 34,812  | 38,218  | 43,515  |
| Livestock and poultry purchased                 | 2,239,843 | 2,444,691 | 1,953,123 | 1,931,293 | 1,673,352  | 13,009  | 23,444  | 30,619  | 14,166  | 14,295  |
| Seed purchased                                  | 191,073   | 201,456   | 218,282   | 222,072   | 253,185    | 3,481   | 3,718   | 4,362   | 4,171   | 4,593   |
| Manufactured inputs                             | 885,179   | 868,421   | 972,165   | 1,039,228 | 1,178,080  | 32,595  | 32,220  | 39,437  | 41,584  | 46,867  |
| Fertilizers and lime                            | 323,923   | 319,520   | 385,490   | 427,429   | 498,942    | 5,587   | 5,843   | 8,269   | 8,781   | 9,679   |
| Pesticides                                      | 214,653   | 217,262   | 242,074   | 271,021   | 304,421    | 3,283   | 3,615   | 4,227   | 4,445   | 4,851   |
| Petroleum fuel and oils                         | 244,620   | 230,530   | 232,367   | 241,679   | 265,082    | 11,499  | 11,203  | 12,359  | 12,473  | 13,893  |
| Electricity                                     | 101,983   | 101,119   | 112,234   | 99,099    | 109,635    | 12,226  | 11,559  | 14,582  | 15,885  | 18,444  |
| Other intermediate expenses                     | 1,094,110 | 1,207,022 | 1,265,924 | 1,360,967 | 1,395,040  | 60,000  | 66,372  | 79,452  | 79,004  | 77,631  |
| Repair and maintenance of capital items         | 330,229   | 367,524   | 372,780   | 376,147   | 434,543    | 16,870  | 15,449  | 18,750  | 18,688  | 20,856  |
| Machine hire and customwork                     | 121,540   | 147,359   | 167,131   | 178,662   | 155,401    | 6,984   | 7,484   | 7,713   | 9,559   | 6,668   |
| Marketing, storage, and transportation expenses | 79,726    | 81,793    | 85,166    | 101,936   | 98,818     | 4,459   | 7,997   | 9,287   | 8,472   | 7,296   |
| Contract labor                                  | 8,511     | 10,629    | 6,307     | 12,178    | 7,481      | 1,809   | 1,850   | 1,693   | 2,524   | 3,049   |
| Miscellaneous expenses                          | 554,104   | 599,717   | 634,540   | 692,044   | 698,797    | 29,878  | 33,592  | 42,009  | 39,761  | 39,764  |
| plus: Net government transactions               | 60,386    | 406,449   | -69,784   | 69,561    | -49,528    | 943     | -4,077  | -8,038  | -9,372  | -11,542 |
| + Direct government payments                    | 478,729   | 806,273   | 348,246   | 507,303   | 388,819    | 11,244  | 7,013   | 4,784   | 4,265   | 2,605   |
| - Motor vehicle registration and licensing fees | 11,282    | 11,510    | 12,104    | 16,080    | 13,171     | 751     | 864     | 1,132   | 971     | 1,121   |
| - Property taxes                                | 407,061   | 388,314   | 405,926   | 421,662   | 425,176    | 9,550   | 10,226  | 11,690  | 12,666  | 13,026  |
| Gross value added                               | 4,339,037 | 3,851,621 | 4,300,744 | 4,014,192 | 5,517,393  | 147,497 | 183,798 | 165,501 | 151,491 | 161,256 |
| less: Capital consumption                       | 628,323   | 630,930   | 646,749   | 654,806   | 651,903    | 39,580  | 38,669  | 39,960  | 42,739  | 44,217  |
| Net value added                                 | 3,710,714 | 3,220,691 | 3,653,995 | 3,359,386 | 4,865,490  | 107,917 | 145,129 | 125,541 | 108,752 | 117,039 |
| less: Factor payments                           | 1,217,934 | 1,296,621 | 1,438,972 | 1,557,841 | 1,790,026  | 44,047  | 47,129  | 58,094  | 61,167  | 60,930  |
| Employee compensation (total hired labor)       | 200,997   | 213,700   | 247,735   | 243,253   | 267,332    | 23,986  | 29,557  | 38,678  | 40,489  | 39,942  |
| Net rent received by nonoperator landlords      | 486,169   | 512,616   | 569,902   | 619,215   | 809,349    | 748     | 356     | 806     | 1,491   | 1,524   |
| Real estate and nonreal estate interest         | 530,768   | 570,305   | 621,335   | 695,373   | 713,345    | 19,313  | 17,216  | 18,610  | 19,187  | 19,464  |
| Net farm income                                 | 2,492,780 | 1,924,071 | 2,215,023 | 1,801,545 | 3,075,464  | 63,870  | 98,000  | 67,447  | 47,585  | 56,109  |

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96<sup>1</sup>—Continued

| Item  | New Hampshire |         |         |         |         | New Jersey |         |         |         |         |
|---|---------------|---------|---------|---------|---------|------------|---------|---------|---------|---------|
|   | 1992          | 1993    | 1994    | 1995    | 1996    | 1992       | 1993    | 1994    | 1995    | 1996    |
| <i>Thousand dollars</i>                         |               |         |         |         |         |            |         |         |         |         |
| Final crop output                               | 83,822        | 79,951  | 87,381  | 84,903  | 86,658  | 459,924    | 496,033 | 595,477 | 570,869 | 613,678 |
| Food grains                                     | 0             | 0       | 0       | 0       | 0       | 4,589      | 4,455   | 4,721   | 7,512   | 8,087   |
| Feed crops                                      | 3,899         | 3,894   | 3,849   | 3,884   | 3,317   | 19,550     | 17,797  | 17,584  | 19,972  | 24,969  |
| Cotton  | 0             | 0       | 0       | 0       | 0       | 0          | 0       | 0       | 0       | 0       |
| Oil crops                                       | 0             | 0       | 0       | 0       | 0       | 22,217     | 24,377  | 25,411  | 19,624  | 23,118  |
| Tobacco   | 0             | 0       | 0       | 0       | 0       | 0          | 0       | 0       | 0       | 0       |
| Fruits and tree nuts                            | 12,743        | 11,910  | 12,480  | 11,489  | 11,728  | 80,720     | 83,200  | 84,760  | 88,913  | 102,056 |
| Vegetables                                      | 17,104        | 19,847  | 20,742  | 20,779  | 22,016  | 139,699    | 160,236 | 194,975 | 177,096 | 185,096 |
| All other crops                                 | 46,830        | 47,156  | 48,382  | 49,839  | 51,544  | 186,613    | 213,753 | 262,105 | 263,927 | 262,069 |
| Home consumption                                | 148           | 82      | 83      | 116     | 102     | 493        | 293     | 310     | 453     | 398     |
| Value of inventory adjustment <sup>2</sup>      | 3,098         | -2,938  | 1,845   | -1,204  | -2,049  | 6,043      | -8,078  | 5,611   | -6,628  | 7,886   |
| Final animal output                             | 70,904        | 65,918  | 64,121  | 62,197  | 69,794  | 194,013    | 193,451 | 181,363 | 200,465 | 195,141 |
| Meat animals                                    | 6,868         | 9,468   | 7,498   | 6,716   | 7,243   | 17,383     | 18,926  | 13,640  | 11,122  | 10,195  |
| Dairy products                                  | 46,248        | 43,840  | 43,120  | 43,470  | 49,764  | 48,576     | 48,465  | 44,850  | 42,028  | 44,829  |
| Poultry and eggs                                | 9,015         | 7,234   | 7,362   | 7,568   | 9,571   | 32,670     | 36,598  | 29,886  | 26,669  | 31,172  |
| Miscellaneous livestock                         | 5,399         | 5,464   | 5,522   | 5,627   | 5,724   | 93,576     | 93,320  | 92,283  | 116,353 | 109,367 |
| Home consumption                                | 1,206         | 1,268   | 1,407   | 1,208   | 747     | 1,036      | 856     | 815     | 879     | 826     |
| Value of inventory adjustment <sup>2</sup>      | 2,168         | -1,356  | -788    | -2,392  | -3,255  | 772        | -4,714  | -111    | 3,414   | -1,248  |
| Services and forestry                           | 23,820        | 24,494  | 25,582  | 25,510  | 25,484  | 99,524     | 109,955 | 122,148 | 131,193 | 126,856 |
| Machine hire and customwork                     | 780           | 800     | 843     | 864     | 844     | 3,792      | 3,893   | 4,098   | 4,203   | 4,102   |
| Forest products sold                            | 3,110         | 3,100   | 3,140   | 3,230   | 3,444   | 20,340     | 26,246  | 27,820  | 33,253  | 30,582  |
| Other farm income                               | 3,478         | 3,487   | 3,599   | 3,623   | 2,564   | 12,878     | 12,949  | 13,354  | 13,529  | 9,741   |
| Gross imputed rental value of farm dwellings    | 16,452        | 17,107  | 18,000  | 17,793  | 18,632  | 62,514     | 66,867  | 76,876  | 80,208  | 82,431  |
| Final agricultural sector output                | 178,546       | 170,363 | 177,084 | 172,610 | 181,936 | 753,461    | 799,439 | 898,988 | 902,527 | 935,675 |
| less: Intermediate consumption outlays          | 63,899        | 64,930  | 68,942  | 71,786  | 72,494  | 293,041    | 301,221 | 340,436 | 354,272 | 343,094 |
| Farm origin                                     | 21,603        | 21,956  | 20,171  | 22,353  | 24,262  | 69,761     | 69,772  | 71,608  | 78,622  | 80,581  |
| Feed purchased                                  | 17,361        | 17,705  | 15,408  | 17,001  | 18,099  | 31,650     | 30,522  | 30,522  | 32,132  | 28,362  |
| Livestock and poultry purchased                 | 589           | 585     | 576     | 489     | 545     | 5,584      | 4,316   | 3,804   | 3,191   | 2,196   |
| Seed purchased                                  | 3,653         | 3,666   | 4,187   | 4,863   | 5,618   | 32,527     | 32,645  | 37,282  | 43,299  | 50,023  |
| Manufactured inputs                             | 11,691        | 11,621  | 12,287  | 13,542  | 13,325  | 78,404     | 76,254  | 83,661  | 93,022  | 90,087  |
| Fertilizers and lime                            | 3,292         | 3,084   | 3,331   | 3,689   | 3,592   | 28,728     | 26,752  | 30,033  | 33,077  | 32,127  |
| Pesticides                                      | 1,566         | 1,460   | 1,760   | 2,031   | 1,786   | 19,623     | 18,297  | 22,064  | 25,458  | 22,387  |
| Petroleum fuel and oils                         | 3,809         | 3,912   | 3,901   | 4,313   | 4,612   | 20,573     | 21,285  | 21,237  | 23,487  | 25,120  |
| Electricity                                     | 3,024         | 3,165   | 3,295   | 3,509   | 3,335   | 9,480      | 9,920   | 10,327  | 11,000  | 10,453  |
| Other intermediate expenses                     | 30,605        | 31,353  | 36,484  | 35,891  | 34,907  | 144,876    | 155,195 | 185,167 | 182,628 | 172,426 |
| Repair and maintenance of capital items         | 11,155        | 10,611  | 10,719  | 9,604   | 10,116  | 49,586     | 50,330  | 53,411  | 48,948  | 48,588  |
| Machine hire and customwork                     | 809           | 978     | 1,309   | 1,729   | 1,266   | 5,585      | 6,747   | 9,032   | 11,935  | 8,738   |
| Marketing, storage, and transportation expenses | 4,885         | 5,931   | 7,818   | 7,834   | 6,919   | 21,292     | 27,944  | 40,425  | 40,551  | 34,443  |
| Contract labor                                  | 421           | 443     | 592     | 493     | 730     | 4,306      | 4,532   | 6,060   | 5,043   | 7,470   |
| Miscellaneous expenses                          | 13,335        | 13,390  | 16,046  | 16,231  | 15,876  | 64,107     | 65,642  | 76,239  | 76,151  | 73,187  |
| plus: Net government transactions               | -10,984       | -10,737 | -12,198 | -12,383 | -12,684 | -34,002    | -37,976 | -41,319 | -43,141 | -46,078 |
| + Direct government payments                    | 1,550         | 1,942   | 1,475   | 1,183   | 1,093   | 10,695     | 7,298   | 7,596   | 5,492   | 3,258   |
| - Motor vehicle registration and licensing fees | 305           | 233     | 389     | 420     | 388     | 1,078      | 879     | 1,531   | 1,743   | 1,579   |
| - Property taxes                                | 12,229        | 12,446  | 13,284  | 13,146  | 13,389  | 43,619     | 44,395  | 47,384  | 46,890  | 47,757  |
| Gross value added                               | 103,663       | 94,696  | 95,945  | 88,441  | 96,758  | 426,418    | 460,242 | 517,232 | 505,114 | 546,503 |
| less: Capital consumption                       | 22,761        | 21,650  | 21,102  | 20,610  | 21,043  | 91,521     | 91,301  | 93,326  | 94,616  | 95,053  |
| Net value added                                 | 80,902        | 73,046  | 74,843  | 67,831  | 75,715  | 334,897    | 368,941 | 423,906 | 410,498 | 451,450 |
| less: Factor payments                           | 26,130        | 26,368  | 28,221  | 30,694  | 32,413  | 152,194    | 161,572 | 169,097 | 183,560 | 190,853 |
| Employee compensation (total hired labor)       | 21,027        | 22,212  | 22,663  | 24,910  | 26,090  | 112,100    | 118,422 | 120,821 | 132,804 | 139,094 |
| Net rent received by nonoperator landlords      | 86            | -426    | -371    | 34      | 238     | 12,675     | 13,670  | 14,130  | 20,040  | 19,338  |
| Real estate and nonreal estate interest         | 5,017         | 4,582   | 5,929   | 5,750   | 6,085   | 27,419     | 29,480  | 34,146  | 30,716  | 32,421  |
| Net farm income                                 | 54,772        | 46,678  | 46,622  | 37,137  | 43,302  | 182,703    | 207,370 | 254,810 | 226,938 | 260,597 |

See footnotes at end of table.

Continued—

**Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96<sup>1</sup>—Continued**

| Item  | New Mexico |           |           |           |           | New York  |           |           |           |           |
|---|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|   | 1992       | 1993      | 1994      | 1995      | 1996      | 1992      | 1993      | 1994      | 1995      | 1996      |
| <i>Thousand dollars</i>                         |            |           |           |           |           |           |           |           |           |           |
| Final crop output                               | 480,383    | 458,060   | 483,046   | 492,975   | 531,202   | 929,204   | 958,217   | 1,042,883 | 963,960   | 1,002,478 |
| Food grains                                     | 32,741     | 21,588    | 18,308    | 14,919    | 18,195    | 17,982    | 12,894    | 18,978    | 26,825    | 29,277    |
| Feed crops                                      | 143,977    | 168,024   | 181,346   | 170,949   | 208,495   | 147,382   | 144,898   | 155,880   | 166,698   | 201,491   |
| Cotton  | 24,690     | 36,799    | 36,480    | 34,385    | 43,458    | 0         | 0         | 0         | 0         | 0         |
| Oil crops                                       | 19,178     | 19,294    | 16,481    | 14,253    | 10,014    | 8,124     | 11,699    | 14,281    | 15,121    | 18,250    |
| Tobacco   | 0          | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| Fruits and tree nuts                            | 53,275     | 24,897    | 34,252    | 58,234    | 19,350    | 193,801   | 169,773   | 178,266   | 191,970   | 208,603   |
| Vegetables                                      | 157,135    | 149,137   | 140,496   | 152,794   | 159,040   | 268,195   | 337,033   | 327,840   | 313,991   | 261,412   |
| All other crops                                 | 52,677     | 47,851    | 54,499    | 52,100    | 53,015    | 305,940   | 293,751   | 295,206   | 291,796   | 279,454   |
| Home consumption                                | 740        | 444       | 470       | 680       | 596       | 2,083     | 1,234     | 1,252     | 1,812     | 1,590     |
| Value of inventory adjustment <sup>2</sup>      | -4,030     | -9,974    | 714       | -5,339    | 19,038    | -14,303   | -13,065   | 51,180    | -44,253   | 2,401     |
| Final animal output                             | 1,029,214  | 1,131,804 | 1,164,653 | 972,815   | 1,182,714 | 1,916,379 | 1,892,053 | 1,860,214 | 1,878,931 | 2,068,912 |
| Meat animals                                    | 723,796    | 779,797   | 676,609   | 498,755   | 640,495   | 209,179   | 254,407   | 228,402   | 160,983   | 115,476   |
| Dairy products                                  | 269,554    | 310,767   | 393,882   | 430,803   | 523,279   | 1,527,273 | 1,463,554 | 1,495,702 | 1,487,695 | 1,693,251 |
| Poultry and eggs                                | 14,716     | 16,769    | 15,127    | 13,439    | 17,274    | 82,280    | 90,799    | 89,844    | 91,601    | 101,213   |
| Miscellaneous livestock                         | 17,106     | 15,996    | 15,926    | 17,599    | 16,441    | 89,567    | 92,328    | 74,395    | 112,159   | 134,607   |
| Home consumption                                | 7,746      | 5,976     | 5,593     | 5,300     | 3,961     | 8,812     | 8,162     | 6,282     | 4,506     | 3,344     |
| Value of inventory adjustment <sup>2</sup>      | -3,704     | 2,499     | 57,516    | 6,919     | -18,736   | -732      | -17,197   | -34,411   | 21,987    | 21,021    |
| Services and forestry                           | 87,903     | 95,309    | 102,271   | 116,457   | 130,130   | 223,727   | 240,057   | 258,922   | 257,737   | 240,507   |
| Machine hire and customwork                     | 13,268     | 13,822    | 14,799    | 14,397    | 13,961    | 17,705    | 18,172    | 19,130    | 19,620    | 19,152    |
| Forest products sold                            | 5,000      | 5,000     | 5,000     | 5,000     | 5,000     | 7,630     | 9,190     | 9,450     | 8,980     | 9,160     |
| Other farm income                               | 21,494     | 26,073    | 24,227    | 28,275    | 35,824    | 63,815    | 64,004    | 65,721    | 66,777    | 68,772    |
| Gross imputed rental value of farm dwellings    | 48,141     | 50,414    | 58,245    | 68,785    | 75,345    | 134,577   | 148,691   | 164,621   | 162,360   | 163,423   |
| Final agricultural sector output                | 1,597,500  | 1,685,173 | 1,749,970 | 1,582,247 | 1,844,046 | 3,069,310 | 3,090,327 | 3,162,019 | 3,100,628 | 3,311,896 |
| less: Intermediate consumption outlays          | 834,496    | 908,175   | 1,023,569 | 906,404   | 1,110,878 | 1,455,186 | 1,463,474 | 1,587,724 | 1,680,591 | 1,671,774 |
| Farm origin                                     | 504,827    | 541,428   | 574,646   | 469,406   | 639,008   | 531,817   | 523,281   | 508,739   | 557,923   | 604,912   |
| Feed purchased                                  | 145,396    | 169,605   | 231,711   | 258,694   | 309,005   | 438,356   | 431,550   | 411,925   | 447,270   | 478,799   |
| Livestock and poultry purchased                 | 342,419    | 353,652   | 321,621   | 190,330   | 307,556   | 21,906    | 19,917    | 14,800    | 15,402    | 16,069    |
| Seed purchased                                  | 17,012     | 18,171    | 21,314    | 20,382    | 22,447    | 71,555    | 71,814    | 82,014    | 95,251    | 110,044   |
| Manufactured inputs                             | 100,397    | 101,710   | 123,501   | 129,117   | 144,475   | 334,358   | 319,699   | 346,610   | 383,653   | 373,311   |
| Fertilizers and lime                            | 23,571     | 25,762    | 34,882    | 37,049    | 40,833    | 106,072   | 90,264    | 100,824   | 110,710   | 107,675   |
| Pesticides                                      | 12,549     | 13,821    | 16,158    | 16,993    | 18,545    | 68,977    | 64,318    | 77,557    | 89,489    | 78,693    |
| Petroleum fuel and oils                         | 40,264     | 39,424    | 43,822    | 43,877    | 48,872    | 92,355    | 95,054    | 95,294    | 105,767   | 113,119   |
| Electricity                                     | 24,013     | 22,703    | 28,639    | 31,198    | 36,225    | 66,954    | 70,063    | 72,935    | 77,687    | 73,824    |
| Other intermediate expenses                     | 229,272    | 265,037   | 325,422   | 307,881   | 327,395   | 589,011   | 620,494   | 732,375   | 739,015   | 693,551   |
| Repair and maintenance of capital items         | 56,142     | 56,071    | 64,859    | 64,015    | 70,342    | 184,882   | 185,772   | 194,823   | 184,321   | 182,272   |
| Machine hire and customwork                     | 23,743     | 27,543    | 26,983    | 32,858    | 25,352    | 27,768    | 33,549    | 44,906    | 59,341    | 43,447    |
| Marketing, storage, and transportation expenses | 25,161     | 43,154    | 47,951    | 43,796    | 43,596    | 93,984    | 114,430   | 151,095   | 149,931   | 130,859   |
| Contract labor                                  | 16,066     | 16,431    | 15,039    | 22,411    | 27,073    | 6,824     | 7,181     | 9,602     | 7,991     | 11,837    |
| Miscellaneous expenses                          | 108,160    | 121,838   | 170,590   | 144,801   | 161,032   | 275,553   | 279,562   | 331,949   | 337,431   | 325,136   |
| plus: Net government transactions               | 39,797     | 54,122    | 34,896    | 28,091    | 30,676    | -146,994  | -125,015  | -170,663  | -168,317  | -171,399  |
| + Direct government payments                    | 60,267     | 76,442    | 61,042    | 55,134    | 59,000    | 47,872    | 72,286    | 42,417    | 43,481    | 43,289    |
| - Motor vehicle registration and licensing fees | 3,153      | 3,778     | 4,949     | 4,076     | 4,705     | 5,070     | 4,128     | 6,900     | 7,768     | 6,885     |
| - Property taxes                                | 17,317     | 18,542    | 21,197    | 22,967    | 23,619    | 189,796   | 193,173   | 206,180   | 204,030   | 207,803   |
| Gross value added                               | 802,801    | 831,120   | 761,297   | 703,934   | 763,843   | 1,467,130 | 1,501,839 | 1,403,632 | 1,251,721 | 1,468,723 |
| less: Capital consumption                       | 91,956     | 91,547    | 94,460    | 97,810    | 100,299   | 423,332   | 430,624   | 426,899   | 420,001   | 413,758   |
| Net value added                                 | 710,845    | 739,573   | 666,837   | 606,124   | 663,544   | 1,043,798 | 1,071,215 | 976,733   | 831,720   | 1,054,965 |
| less: Factor payments                           | 209,640    | 226,076   | 273,266   | 299,309   | 300,188   | 480,750   | 480,936   | 514,485   | 558,897   | 592,478   |
| Employee compensation (total hired labor)       | 87,628     | 107,982   | 141,299   | 147,917   | 145,918   | 327,516   | 345,990   | 352,998   | 388,005   | 406,386   |
| Net rent received by nonoperator landlords      | 41,312     | 37,399    | 43,222    | 55,041    | 57,798    | -4,198    | -8,546    | -9,916    | -926      | 4,370     |
| Real estate and nonreal estate interest         | 80,700     | 80,695    | 88,745    | 96,351    | 96,472    | 157,432   | 143,492   | 171,403   | 171,818   | 181,722   |
| Net farm income                                 | 501,205    | 513,497   | 393,571   | 306,815   | 363,356   | 563,048   | 590,279   | 462,248   | 272,823   | 462,487   |

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96<sup>1</sup>—Continued

| Item  | North Carolina |           |           |           |           | North Dakota |           |           |           |           |
|---|----------------|-----------|-----------|-----------|-----------|--------------|-----------|-----------|-----------|-----------|
|   | 1992           | 1993      | 1994      | 1995      | 1996      | 1992         | 1993      | 1994      | 1995      | 1996      |
| <i>Thousand dollars</i>                         |                |           |           |           |           |              |           |           |           |           |
| Final crop output                               | 2,753,146      | 2,769,055 | 3,291,332 | 2,991,425 | 3,468,885 | 2,531,859    | 1,981,142 | 2,632,177 | 2,417,443 | 3,275,006 |
| Food grains                                     | 82,660         | 70,069    | 93,660    | 108,956   | 124,012   | 1,181,820    | 1,464,870 | 1,263,512 | 1,431,235 | 1,607,752 |
| Feed crops                                      | 195,300        | 152,769   | 165,258   | 184,913   | 269,470   | 379,999      | 315,358   | 360,094   | 388,645   | 490,025   |
| Cotton  | 144,133        | 132,762   | 261,992   | 278,443   | 343,232   | 0            | 0         | 0         | 0         | 0         |
| Oil crops                                       | 329,831        | 290,471   | 351,328   | 248,783   | 312,896   | 288,732      | 219,899   | 330,149   | 339,783   | 409,689   |
| Tobacco   | 1,049,524      | 1,029,927 | 942,931   | 1,048,523 | 1,021,487 | 0            | 0         | 0         | 0         | 0         |
| Fruits and tree nuts                            | 41,291         | 46,332    | 57,410    | 58,841    | 48,351    | 100          | 100       | 100       | 100       | 190       |
| Vegetables                                      | 197,421        | 253,758   | 294,753   | 281,184   | 286,906   | 197,466      | 183,011   | 230,829   | 218,588   | 282,764   |
| All other crops                                 | 737,160        | 875,045   | 946,509   | 954,917   | 997,632   | 191,510      | 165,772   | 218,298   | 195,548   | 205,196   |
| Home consumption                                | 3,069          | 1,810     | 1,913     | 2,819     | 2,474     | 3,288        | 1,942     | 2,017     | 2,920     | 2,562     |
| Value of inventory adjustment <sup>2</sup>      | -27,243        | -83,888   | 175,578   | -175,954  | 62,425    | 288,944      | -369,810  | 227,178   | -159,376  | 276,828   |
| Final animal output                             | 2,877,795      | 3,295,770 | 3,474,691 | 3,842,954 | 4,514,458 | 655,897      | 717,831   | 636,350   | 574,295   | 523,592   |
| Meat animals                                    | 899,858        | 1,102,652 | 1,150,013 | 1,421,757 | 1,903,037 | 493,219      | 455,662   | 476,079   | 411,188   | 360,836   |
| Dairy products                                  | 218,854        | 211,248   | 210,532   | 189,750   | 211,756   | 118,080      | 107,400   | 102,480   | 96,524    | 107,545   |
| Poultry and eggs                                | 1,612,303      | 1,822,114 | 1,911,483 | 2,053,936 | 2,249,917 | 10,953       | 10,805    | 11,716    | 15,750    | 23,204    |
| Miscellaneous livestock                         | 53,182         | 53,949    | 56,942    | 60,587    | 62,613    | 27,754       | 26,540    | 34,320    | 43,780    | 45,192    |
| Home consumption                                | 12,727         | 12,934    | 12,028    | 11,512    | 10,621    | 7,078        | 6,302     | 5,664     | 4,839     | 4,173     |
| Value of inventory adjustment <sup>2</sup>      | 80,871         | 92,873    | 133,693   | 105,412   | 76,514    | -1,187       | 111,122   | 6,091     | 2,214     | -17,358   |
| Services and forestry                           | 863,707        | 919,173   | 1,049,575 | 1,269,937 | 1,380,831 | 192,070      | 228,026   | 234,922   | 262,993   | 300,366   |
| Machine hire and customwork                     | 20,752         | 22,625    | 18,322    | 22,332    | 23,913    | 34,501       | 36,502    | 55,471    | 44,361    | 55,565    |
| Forest products sold                            | 498,824        | 538,312   | 650,000   | 830,000   | 900,000   | 412          | 800       | 811       | 800       | 1,850     |
| Other farm income                               | 136,323        | 143,423   | 152,134   | 177,048   | 196,076   | 89,204       | 115,602   | 90,714    | 124,962   | 147,468   |
| Gross imputed rental value of farm dwellings    | 207,808        | 214,813   | 229,119   | 240,557   | 260,842   | 67,953       | 75,122    | 87,926    | 92,870    | 95,483    |
| Final agricultural sector output                | 6,494,648      | 6,983,998 | 7,815,598 | 8,104,316 | 9,364,174 | 3,379,826    | 2,926,999 | 3,503,449 | 3,254,731 | 4,098,963 |
| less: Intermediate consumption outlays          | 2,504,457      | 2,767,268 | 3,014,258 | 3,415,625 | 3,923,532 | 1,338,094    | 1,421,132 | 1,515,975 | 1,580,478 | 1,719,285 |
| Farm origin                                     | 1,188,862      | 1,321,636 | 1,542,802 | 1,780,278 | 2,153,527 | 238,280      | 255,039   | 249,541   | 225,233   | 243,594   |
| Feed purchased                                  | 871,453        | 991,186   | 1,215,926 | 1,436,071 | 1,814,320 | 74,408       | 80,503    | 77,444    | 65,741    | 69,028    |
| Livestock and poultry purchased                 | 227,209        | 236,637   | 236,180   | 236,860   | 230,656   | 57,423       | 62,302    | 50,489    | 35,773    | 33,514    |
| Seed purchased                                  | 90,200         | 93,813    | 90,696    | 107,347   | 108,551   | 106,449      | 112,234   | 121,608   | 123,719   | 141,052   |
| Manufactured inputs                             | 563,291        | 587,717   | 567,203   | 640,161   | 682,449   | 549,740      | 562,082   | 615,597   | 678,552   | 769,815   |
| Fertilizers and lime                            | 205,029        | 207,568   | 207,053   | 241,671   | 257,934   | 188,363      | 205,324   | 235,695   | 274,820   | 320,941   |
| Pesticides                                      | 147,876        | 157,578   | 148,566   | 161,150   | 178,604   | 171,565      | 173,650   | 193,481   | 216,618   | 243,313   |
| Petroleum fuel and oils                         | 149,565        | 145,932   | 151,398   | 165,220   | 169,153   | 153,975      | 147,574   | 146,981   | 152,290   | 167,035   |
| Electricity                                     | 60,821         | 76,639    | 60,186    | 72,120    | 76,758    | 35,837       | 35,534    | 39,440    | 34,824    | 38,526    |
| Other intermediate expenses                     | 752,304        | 857,915   | 904,253   | 995,186   | 1,087,556 | 550,074      | 604,011   | 650,837   | 676,693   | 705,876   |
| Repair and maintenance of capital items         | 129,622        | 164,664   | 146,782   | 151,319   | 154,517   | 221,897      | 246,761   | 244,212   | 245,403   | 276,119   |
| Machine hire and customwork                     | 61,245         | 66,996    | 83,433    | 78,711    | 99,564    | 75,436       | 91,460    | 103,732   | 110,889   | 96,452    |
| Marketing, storage, and transportation expenses | 179,775        | 179,300   | 197,898   | 251,085   | 257,349   | 26,525       | 27,193    | 30,279    | 35,764    | 36,922    |
| Contract labor                                  | 38,862         | 33,745    | 51,251    | 40,404    | 48,310    | 4,347        | 5,429     | 3,221     | 6,220     | 3,821     |
| Miscellaneous expenses                          | 342,800        | 413,210   | 424,889   | 473,667   | 527,816   | 221,869      | 233,168   | 269,393   | 278,417   | 292,562   |
| plus: Net government transactions               | -32,049        | 32,336    | -23,941   | -75,843   | -43,602   | 284,241      | 412,366   | 298,334   | 128,750   | 185,104   |
| + Direct government payments                    | 74,805         | 132,448   | 77,618    | 40,151    | 75,702    | 443,156      | 564,531   | 457,317   | 296,215   | 351,520   |
| - Motor vehicle registration and licensing fees | 5,254          | 6,806     | 5,240     | 6,750     | 6,844     | 8,229        | 8,419     | 8,718     | 11,374    | 9,025     |
| - Property taxes                                | 101,600        | 93,306    | 96,319    | 109,244   | 112,460   | 150,686      | 143,746   | 150,265   | 156,091   | 157,391   |
| Gross value added                               | 3,958,142      | 4,249,066 | 4,777,399 | 4,612,849 | 5,397,040 | 2,325,973    | 1,918,233 | 2,285,808 | 1,803,002 | 2,564,782 |
| less: Capital consumption                       | 408,262        | 403,754   | 399,630   | 404,984   | 412,869   | 491,734      | 495,399   | 502,289   | 501,732   | 491,650   |
| Net value added                                 | 3,549,880      | 3,845,312 | 4,377,769 | 4,207,865 | 4,984,171 | 1,834,239    | 1,422,834 | 1,783,519 | 1,301,270 | 2,073,132 |
| less: Factor payments                           | 1,127,097      | 1,187,769 | 1,304,135 | 1,527,533 | 1,610,163 | 840,689      | 867,722   | 947,431   | 960,745   | 1,109,084 |
| Employee compensation (total hired labor)       | 337,946        | 362,496   | 348,762   | 365,430   | 371,247   | 78,925       | 83,914    | 97,278    | 95,518    | 104,974   |
| Net rent received by nonoperator landlords      | 584,711        | 629,392   | 717,657   | 890,830   | 964,499   | 489,132      | 522,659   | 563,620   | 543,937   | 671,884   |
| Real estate and nonreal estate interest         | 204,440        | 195,881   | 237,716   | 271,273   | 274,417   | 272,632      | 261,149   | 286,533   | 321,290   | 332,226   |
| Net farm income                                 | 2,422,783      | 2,657,543 | 3,073,634 | 2,680,332 | 3,374,008 | 993,550      | 555,112   | 836,088   | 340,525   | 964,049   |

See footnotes at end of table.

Continued—

**Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96<sup>1</sup>—Continued**

| Item  | Ohio      |           |           |           |           | Oklahoma  |           |           |           |           |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|   | 1992      | 1993      | 1994      | 1995      | 1996      | 1992      | 1993      | 1994      | 1995      | 1996      |
| <i>Thousand dollars</i>                         |           |           |           |           |           |           |           |           |           |           |
| Final crop output                               | 2,863,599 | 2,563,296 | 3,060,083 | 2,935,840 | 3,031,180 | 1,173,091 | 1,098,591 | 1,191,754 | 1,035,782 | 1,179,914 |
| Food grains                                     | 181,530   | 145,873   | 202,811   | 295,836   | 210,940   | 457,291   | 454,659   | 477,391   | 421,851   | 400,616   |
| Feed crops                                      | 831,358   | 1,023,422 | 897,236   | 988,563   | 1,024,953 | 132,970   | 136,976   | 143,067   | 147,891   | 231,077   |
| Cotton  | 0         | 0         | 0         | 0         | 0         | 68,692    | 82,130    | 100,090   | 55,080    | 55,062    |
| Oil crops                                       | 791,663   | 885,941   | 998,995   | 1,054,521 | 1,126,550 | 108,203   | 98,234    | 126,576   | 100,728   | 103,920   |
| Tobacco   | 42,169    | 38,913    | 32,943    | 31,740    | 34,341    | 0         | 0         | 0         | 0         | 0         |
| Fruits and tree nuts                            | 36,868    | 26,609    | 31,914    | 36,758    | 37,865    | 16,289    | 17,494    | 21,418    | 32,015    | 7,125     |
| Vegetables                                      | 133,670   | 159,409   | 148,044   | 128,529   | 148,254   | 41,113    | 47,296    | 47,066    | 48,122    | 44,929    |
| All other crops                                 | 542,661   | 554,376   | 559,248   | 558,099   | 593,882   | 294,275   | 300,220   | 284,579   | 285,597   | 283,521   |
| Home consumption                                | 4,275     | 2,502     | 2,609     | 3,725     | 3,269     | 3,891     | 2,321     | 2,435     | 3,574     | 3,136     |
| Value of inventory adjustment <sup>2</sup>      | 299,405   | -273,749  | 186,283   | -161,931  | -148,873  | 50,367    | -40,739   | -10,868   | -59,076   | 50,528    |
| Final animal output                             | 1,563,739 | 1,640,517 | 1,612,791 | 1,639,033 | 1,898,629 | 2,481,029 | 2,773,033 | 3,014,628 | 2,566,175 | 2,438,425 |
| Meat animals                                    | 609,392   | 707,214   | 570,070   | 558,844   | 701,687   | 1,994,514 | 2,237,157 | 2,087,679 | 1,956,634 | 1,772,386 |
| Dairy products                                  | 625,110   | 596,050   | 596,505   | 598,670   | 651,000   | 166,455   | 166,562   | 167,580   | 168,350   | 195,622   |
| Poultry and eggs                                | 284,308   | 321,570   | 373,068   | 407,621   | 565,337   | 302,184   | 350,207   | 400,785   | 403,565   | 428,419   |
| Miscellaneous livestock                         | 34,654    | 26,763    | 23,949    | 24,321    | 26,974    | 54,822    | 54,097    | 43,363    | 43,437    | 42,874    |
| Home consumption                                | 22,327    | 13,750    | 19,211    | 18,378    | 20,491    | 16,355    | 18,004    | 16,758    | 14,126    | 12,086    |
| Value of inventory adjustment <sup>2</sup>      | -12,052   | -24,830   | 29,988    | 31,199    | -66,860   | -53,301   | -52,994   | 298,463   | -19,937   | -12,962   |
| Services and forestry                           | 552,349   | 597,440   | 666,512   | 725,059   | 739,663   | 339,374   | 360,430   | 399,547   | 427,086   | 442,955   |
| Machine hire and customwork                     | 48,269    | 48,113    | 49,248    | 59,446    | 42,794    | 43,024    | 43,098    | 44,848    | 46,671    | 44,799    |
| Forest products sold                            | 168,175   | 178,175   | 188,175   | 188,175   | 186,729   | 2,000     | 2,000     | 2,000     | 2,000     | 2,000     |
| Other farm income                               | 55,330    | 63,050    | 60,165    | 71,661    | 78,595    | 101,023   | 103,082   | 107,999   | 127,278   | 141,988   |
| Gross imputed rental value of farm dwellings    | 280,575   | 308,102   | 368,924   | 405,777   | 431,545   | 193,327   | 212,250   | 244,700   | 251,137   | 254,168   |
| Final agricultural sector output                | 4,979,687 | 4,801,253 | 5,339,386 | 5,299,932 | 5,669,473 | 3,993,494 | 4,232,054 | 4,605,929 | 4,029,043 | 4,061,294 |
| less: Intermediate consumption outlays          | 2,257,116 | 2,373,609 | 2,452,082 | 2,451,839 | 2,599,354 | 2,282,869 | 2,413,196 | 2,663,103 | 2,605,502 | 2,610,555 |
| Farm origin                                     | 831,261   | 857,683   | 873,827   | 824,290   | 863,464   | 1,153,583 | 1,212,420 | 1,463,869 | 1,276,374 | 1,258,442 |
| Feed purchased                                  | 571,198   | 575,318   | 614,298   | 558,027   | 553,676   | 454,694   | 453,771   | 499,297   | 637,381   | 663,380   |
| Livestock and poultry purchased                 | 53,753    | 63,578    | 43,683    | 52,844    | 68,018    | 649,021   | 709,511   | 914,218   | 585,340   | 536,982   |
| Seed purchased                                  | 206,310   | 218,787   | 215,846   | 213,419   | 241,770   | 49,868    | 49,138    | 50,354    | 53,653    | 58,080    |
| Manufactured inputs                             | 734,993   | 770,958   | 802,589   | 843,818   | 928,220   | 382,247   | 383,430   | 399,672   | 461,008   | 496,405   |
| Fertilizers and lime                            | 322,409   | 340,838   | 361,163   | 393,211   | 441,433   | 152,540   | 146,939   | 162,831   | 188,514   | 198,044   |
| Pesticides                                      | 212,900   | 219,432   | 246,424   | 260,365   | 302,705   | 64,077    | 62,212    | 63,400    | 74,297    | 82,239    |
| Petroleum fuel and oils                         | 146,026   | 149,670   | 143,194   | 137,500   | 132,342   | 131,030   | 138,055   | 139,344   | 153,745   | 166,127   |
| Electricity                                     | 53,658    | 61,018    | 51,808    | 52,742    | 51,740    | 34,600    | 36,224    | 34,097    | 44,452    | 49,995    |
| Other intermediate expenses                     | 690,862   | 744,968   | 775,666   | 783,731   | 807,670   | 747,039   | 817,346   | 799,562   | 868,120   | 855,708   |
| Repair and maintenance of capital items         | 295,683   | 296,627   | 297,010   | 322,499   | 335,854   | 198,185   | 205,866   | 182,323   | 230,028   | 253,650   |
| Machine hire and customwork                     | 48,468    | 56,775    | 60,348    | 58,515    | 58,733    | 105,459   | 126,669   | 104,991   | 97,852    | 86,991    |
| Marketing, storage, and transportation expenses | 62,257    | 75,236    | 84,646    | 76,198    | 83,909    | 81,781    | 136,136   | 128,877   | 156,515   | 100,810   |
| Contract labor                                  | 9,853     | 7,333     | 8,509     | 7,416     | 12,024    | 31,436    | 23,249    | 20,044    | 14,883    | 19,808    |
| Miscellaneous expenses                          | 274,601   | 308,997   | 325,153   | 319,103   | 317,150   | 330,178   | 325,426   | 363,327   | 368,842   | 394,449   |
| plus: Net government transactions               | -2,237    | 93,036    | -63,585   | -16,585   | -19,469   | 156,707   | 226,943   | 92,579    | 48,030    | 113,692   |
| + Direct government payments                    | 166,122   | 265,374   | 117,041   | 167,236   | 163,120   | 248,322   | 323,949   | 207,003   | 164,621   | 236,707   |
| - Motor vehicle registration and licensing fees | 12,465    | 11,972    | 12,712    | 14,453    | 12,186    | 12,373    | 9,877     | 12,205    | 11,576    | 14,925    |
| - Property taxes                                | 155,894   | 160,366   | 167,914   | 169,368   | 170,403   | 79,242    | 87,129    | 102,219   | 105,015   | 108,090   |
| Gross value added                               | 2,720,334 | 2,520,680 | 2,823,718 | 2,831,508 | 3,050,649 | 1,867,332 | 2,045,801 | 2,035,405 | 1,471,571 | 1,564,431 |
| less: Capital consumption                       | 702,917   | 704,349   | 723,090   | 737,196   | 736,957   | 399,987   | 404,727   | 415,464   | 418,392   | 420,258   |
| Net value added                                 | 2,017,417 | 1,816,331 | 2,100,628 | 2,094,312 | 2,313,692 | 1,467,345 | 1,641,074 | 1,619,941 | 1,053,179 | 1,144,173 |
| less: Factor payments                           | 964,479   | 991,743   | 928,714   | 994,362   | 985,975   | 513,495   | 510,435   | 526,073   | 565,285   | 592,777   |
| Employee compensation (total hired labor)       | 273,340   | 292,294   | 277,837   | 268,025   | 260,997   | 125,642   | 138,193   | 129,214   | 154,593   | 146,424   |
| Net rent received by nonoperator landlords      | 417,841   | 441,645   | 386,797   | 436,807   | 420,005   | 87,908    | 91,131    | 102,990   | 76,075    | 110,918   |
| Real estate and nonreal estate interest         | 273,298   | 257,804   | 264,080   | 289,530   | 304,973   | 299,945   | 281,111   | 293,869   | 334,617   | 335,435   |
| Net farm income                                 | 1,052,938 | 824,588   | 1,171,914 | 1,099,950 | 1,327,718 | 953,850   | 1,130,639 | 1,093,868 | 487,894   | 551,396   |

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96<sup>1</sup>—Continued

| Item  | Oregon    |           |           |           |           | Pennsylvania |           |           |           |           |
|---|-----------|-----------|-----------|-----------|-----------|--------------|-----------|-----------|-----------|-----------|
|   | 1992      | 1993      | 1994      | 1995      | 1996      | 1992         | 1993      | 1994      | 1995      | 1996      |
| <i>Thousand dollars</i>                         |           |           |           |           |           |              |           |           |           |           |
| Final crop output                               | 1,695,623 | 1,880,742 | 1,932,075 | 2,054,043 | 2,353,406 | 1,276,566    | 1,111,623 | 1,205,303 | 1,152,827 | 1,365,534 |
| Food grains                                     | 173,330   | 185,510   | 204,477   | 280,897   | 294,182   | 27,410       | 22,743    | 24,833    | 37,950    | 41,867    |
| Feed crops                                      | 182,787   | 210,209   | 238,903   | 225,104   | 262,629   | 232,795      | 286,150   | 271,293   | 328,799   | 356,237   |
| Cotton  | 0         | 0         | 0         | 0         | 0         | 0            | 0         | 0         | 0         | 0         |
| Oil crop  | 912       | 1,292     | 2,226     | 2,969     | 2,235     | 56,098       | 64,874    | 68,544    | 56,966    | 63,579    |
| Tobacco   | 0         | 0         | 0         | 0         | 0         | 27,233       | 24,413    | 21,392    | 11,340    | 22,420    |
| Fruits and tree nuts                            | 254,507   | 219,098   | 234,811   | 238,934   | 260,543   | 97,770       | 94,521    | 75,529    | 97,549    | 108,044   |
| Vegetables                                      | 328,384   | 417,587   | 389,158   | 372,753   | 397,036   | 98,154       | 97,674    | 97,968    | 86,773    | 95,249    |
| All other crops                                 | 760,525   | 783,045   | 854,803   | 927,944   | 1,103,387 | 578,231      | 596,236   | 604,451   | 596,489   | 590,536   |
| Home consumption                                | 2,055     | 1,234     | 1,322     | 1,938     | 1,701     | 2,850        | 1,679     | 1,774     | 2,517     | 2,209     |
| Value of inventory adjustment <sup>2</sup>      | -6,877    | 62,767    | 6,375     | 3,504     | 31,694    | 156,025      | -76,667   | 39,519    | -65,556   | 85,393    |
| Final animal output                             | 771,133   | 780,190   | 766,206   | 666,320   | 657,462   | 2,564,032    | 2,613,272 | 2,609,551 | 2,588,946 | 2,845,747 |
| Meat animals                                    | 386,868   | 400,765   | 367,979   | 322,802   | 283,013   | 565,605      | 664,524   | 590,067   | 491,706   | 512,468   |
| Dairy products                                  | 225,642   | 214,577   | 218,897   | 212,901   | 236,999   | 1,485,229    | 1,410,209 | 1,444,940 | 1,456,359 | 1,662,423 |
| Poultry and eggs                                | 112,679   | 93,990    | 91,234    | 81,891    | 98,535    | 461,032      | 500,600   | 526,199   | 563,400   | 646,679   |
| Miscellaneous livestock                         | 40,901    | 38,062    | 42,969    | 42,379    | 37,983    | 46,743       | 44,672    | 43,778    | 41,789    | 43,007    |
| Home consumption                                | 14,095    | 12,993    | 11,933    | 11,706    | 10,290    | 20,114       | 21,816    | 21,273    | 19,640    | 15,985    |
| Value of inventory adjustment <sup>2</sup>      | -9,052    | 19,803    | 33,194    | -5,359    | -9,358    | -14,691      | -28,549   | -16,706   | 16,052    | -34,815   |
| Services and forestry                           | 606,679   | 802,329   | 773,731   | 762,861   | 789,985   | 350,533      | 367,588   | 403,428   | 423,468   | 425,132   |
| Machine hire and customwork                     | 60,096    | 67,981    | 67,617    | 52,371    | 80,491    | 28,011       | 28,751    | 30,266    | 31,041    | 30,302    |
| Forest products sold                            | 345,164   | 499,814   | 441,325   | 416,033   | 390,879   | 17,000       | 18,000    | 19,000    | 19,000    | 19,000    |
| Other farm income                               | 41,107    | 51,912    | 43,013    | 55,098    | 65,185    | 78,890       | 80,545    | 82,159    | 87,144    | 74,469    |
| Gross imputed rental value of farm dwellings    | 160,312   | 182,622   | 221,776   | 239,359   | 253,430   | 226,632      | 240,292   | 272,003   | 286,283   | 301,361   |
| Final agricultural sector output                | 3,073,435 | 3,463,261 | 3,472,012 | 3,483,224 | 3,800,853 | 4,191,131    | 4,092,483 | 4,218,282 | 4,165,241 | 4,636,412 |
| less: Intermediate consumption outlays          | 1,253,421 | 1,378,588 | 1,470,237 | 1,596,431 | 1,605,673 | 2,001,621    | 2,048,923 | 2,227,476 | 2,357,093 | 2,367,723 |
| Farm origin                                     | 295,251   | 340,416   | 320,678   | 331,436   | 323,454   | 883,457      | 890,018   | 890,795   | 959,259   | 1,026,238 |
| Feed purchased                                  | 199,125   | 234,637   | 215,022   | 223,452   | 206,079   | 688,961      | 693,853   | 691,130   | 745,671   | 805,008   |
| Livestock and poultry purchased                 | 22,498    | 26,930    | 30,309    | 18,731    | 16,503    | 113,191      | 114,565   | 106,475   | 105,358   | 96,190    |
| Seed purchased                                  | 73,628    | 78,849    | 75,347    | 89,253    | 100,872   | 81,305       | 81,600    | 93,190    | 108,230   | 125,040   |
| Manufactured inputs                             | 352,382   | 346,314   | 369,738   | 410,661   | 451,595   | 374,561      | 368,341   | 398,765   | 439,771   | 427,527   |
| Fertilizers and lime                            | 121,768   | 114,532   | 132,804   | 152,984   | 158,899   | 131,189      | 122,494   | 136,729   | 149,725   | 144,613   |
| Pesticides                                      | 108,529   | 113,040   | 116,746   | 131,997   | 144,563   | 67,770       | 63,193    | 76,200    | 87,923    | 77,316    |
| Petroleum fuel and oils                         | 76,244    | 76,911    | 74,277    | 74,306    | 82,597    | 99,164       | 102,667   | 102,570   | 113,432   | 121,317   |
| Electricity                                     | 45,841    | 41,831    | 45,911    | 51,374    | 65,536    | 76,438       | 79,987    | 83,266    | 88,691    | 84,281    |
| Other intermediate expenses                     | 605,788   | 691,858   | 779,821   | 854,334   | 830,624   | 743,603      | 790,564   | 937,916   | 958,063   | 913,958   |
| Repair and maintenance of capital items         | 216,143   | 237,762   | 253,231   | 268,202   | 281,166   | 249,256      | 246,239   | 265,036   | 249,546   | 249,631   |
| Machine hire and customwork                     | 49,533    | 58,364    | 67,357    | 62,699    | 62,364    | 39,916       | 48,226    | 64,552    | 85,301    | 62,454    |
| Marketing, storage, and transportation expenses | 124,634   | 138,964   | 189,998   | 197,157   | 177,072   | 121,245      | 151,714   | 197,817   | 197,670   | 178,139   |
| Contract labor                                  | 26,950    | 29,627    | 29,201    | 31,095    | 30,036    | 9,446        | 9,941     | 13,293    | 11,063    | 16,387    |
| Miscellaneous expenses                          | 188,528   | 227,141   | 240,034   | 295,181   | 279,986   | 323,740      | 334,444   | 397,218   | 414,483   | 407,347   |
| plus: Net government transactions               | -29,480   | -32,650   | -67,533   | -102,491  | -78,440   | -127,437     | -132,871  | -160,760  | -151,390  | -157,596  |
| + Direct government payments                    | 87,474    | 92,806    | 74,416    | 51,773    | 74,262    | 48,765       | 45,151    | 32,688    | 41,055    | 37,111    |
| - Motor vehicle registration and licensing fees | 15,293    | 16,987    | 21,217    | 26,036    | 21,603    | 6,308        | 5,105     | 8,888     | 9,810     | 8,694     |
| - Property taxes                                | 101,661   | 108,469   | 120,732   | 128,228   | 131,099   | 169,894      | 172,917   | 184,560   | 182,635   | 186,013   |
| Gross value added                               | 1,790,534 | 2,052,023 | 1,934,242 | 1,784,302 | 2,116,740 | 2,062,072    | 1,910,688 | 1,830,046 | 1,656,759 | 2,111,094 |
| less: Capital consumption                       | 301,208   | 312,764   | 327,780   | 337,387   | 341,461   | 547,004      | 541,796   | 547,859   | 550,074   | 551,942   |
| Net value added                                 | 1,489,326 | 1,739,259 | 1,606,462 | 1,446,915 | 1,775,279 | 1,515,068    | 1,368,892 | 1,282,187 | 1,106,685 | 1,559,152 |
| less: Factor payments                           | 931,370   | 1,065,396 | 1,043,338 | 1,088,100 | 1,156,558 | 501,932      | 486,431   | 528,826   | 576,935   | 613,241   |
| Employee compensation (total hired labor)       | 362,619   | 382,349   | 390,054   | 448,461   | 499,770   | 343,086      | 362,439   | 369,780   | 406,451   | 425,705   |
| Net rent received by nonoperator landlords      | 400,830   | 516,655   | 485,855   | 461,682   | 468,409   | -22,951      | -35,326   | -38,294   | -24,191   | -18,061   |
| Real estate and nonreal estate interest         | 167,921   | 166,392   | 167,429   | 177,957   | 188,379   | 181,797      | 159,318   | 197,340   | 194,675   | 205,597   |
| Net farm income                                 | 557,956   | 673,864   | 563,124   | 358,816   | 618,721   | 1,013,136    | 882,461   | 753,361   | 529,750   | 945,911   |

See footnotes at end of table.

Continued—

**Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96<sup>1</sup>—Continued**

| Item  | Rhode Island |        |        |        |        | South Carolina |           |           |           |           |
|---|--------------|--------|--------|--------|--------|----------------|-----------|-----------|-----------|-----------|
|   | 1992         | 1993   | 1994   | 1995   | 1996   | 1992           | 1993      | 1994      | 1995      | 1996      |
| <i>Thousand dollars</i>                         |              |        |        |        |        |                |           |           |           |           |
| Final crop output                               | 62,073       | 65,937 | 68,556 | 69,704 | 72,137 | 648,588        | 604,587   | 858,757   | 781,702   | 888,781   |
| Food grains                                     | 0            | 0      | 0      | 0      | 0      | 40,688         | 30,455    | 52,265    | 39,281    | 58,629    |
| Feed crops                                      | 516          | 472    | 451    | 430    | 540    | 54,563         | 34,439    | 50,431    | 63,375    | 83,409    |
| Cotton  | 0            | 0      | 0      | 0      | 0      | 74,561         | 63,370    | 127,427   | 131,782   | 157,690   |
| Oil crops                                       | 0            | 0      | 0      | 0      | 0      | 90,426         | 74,603    | 71,004    | 90,738    | 88,132    |
| Tobacco   | 0            | 0      | 0      | 0      | 0      | 190,448        | 185,612   | 182,689   | 186,795   | 214,650   |
| Fruits and tree nuts                            | 3,333        | 3,369  | 3,279  | 3,168  | 3,203  | 35,773         | 39,838    | 53,610    | 48,092    | 10,085    |
| Vegetables                                      | 5,553        | 6,607  | 6,725  | 6,469  | 6,740  | 53,248         | 86,614    | 88,620    | 91,786    | 75,399    |
| All other crops                                 | 51,570       | 56,135 | 57,880 | 60,020 | 61,090 | 125,170        | 134,647   | 153,456   | 164,331   | 176,852   |
| Home consumption                                | 38           | 23     | 24     | 35     | 31     | 1,343          | 790       | 800       | 1,108     | 972       |
| Value of inventory adjustment <sup>2</sup>      | 1,063        | -669   | 197    | -418   | 533    | -17,632        | -45,781   | 78,455    | -35,586   | 22,963    |
| Final animal output                             | 13,811       | 13,183 | 12,197 | 9,311  | 10,484 | 550,619        | 608,505   | 608,717   | 627,631   | 737,593   |
| Meat animals                                    | 1,641        | 1,697  | 1,526  | 1,155  | 2,103  | 176,493        | 205,111   | 183,774   | 148,322   | 143,079   |
| Dairy products                                  | 4,554        | 4,370  | 4,368  | 4,334  | 4,805  | 61,036         | 59,887    | 60,745    | 55,304    | 62,185    |
| Poultry and eggs                                | 4,989        | 4,923  | 4,856  | 2,412  | 3,148  | 286,879        | 323,486   | 355,337   | 390,946   | 512,343   |
| Miscellaneous livestock                         | 2,602        | 1,545  | 1,337  | 1,255  | 1,238  | 12,154         | 12,671    | 16,382    | 18,900    | 19,603    |
| Home consumption                                | 147          | 135    | 204    | 209    | 72     | 5,135          | 5,597     | 5,701     | 4,924     | 4,586     |
| Value of inventory adjustment <sup>2</sup>      | -122         | 513    | -94    | -54    | -882   | 8,922          | 1,753     | -13,222   | 9,235     | -4,203    |
| Services and forestry                           | 9,141        | 9,643  | 10,024 | 10,087 | 9,711  | 125,652        | 134,115   | 152,408   | 167,557   | 181,201   |
| Machine hire and customwork                     | 567          | 582    | 612    | 628    | 613    | 7,937          | 7,476     | 9,916     | 12,344    | 14,727    |
| Forest products sold                            | 290          | 220    | 150    | 170    | 175    | 7,000          | 7,700     | 8,400     | 9,000     | 10,000    |
| Other farm income                               | 2,261        | 2,263  | 2,342  | 2,365  | 1,674  | 33,285         | 37,875    | 39,691    | 47,096    | 55,035    |
| Gross imputed rental value of farm dwellings    | 6,023        | 6,578  | 6,920  | 6,924  | 7,249  | 77,430         | 81,064    | 94,401    | 99,117    | 101,439   |
| Final agricultural sector output                | 85,025       | 88,763 | 90,777 | 89,102 | 92,332 | 1,324,859      | 1,347,207 | 1,619,882 | 1,576,890 | 1,807,576 |
| less: Intermediate consumption outlays          | 20,527       | 21,361 | 24,081 | 25,038 | 30,848 | 646,457        | 734,596   | 759,937   | 835,116   | 933,009   |
| Farm origin                                     | 5,096        | 5,410  | 5,269  | 5,959  | 12,758 | 212,589        | 241,487   | 233,742   | 261,153   | 324,469   |
| Feed purchased                                  | 3,424        | 3,663  | 3,375  | 3,769  | 3,211  | 145,163        | 166,186   | 161,362   | 181,584   | 242,972   |
| Livestock and poultry purchased                 | 167          | 236    | 169    | 186    | 7,232  | 34,755         | 41,025    | 38,052    | 43,010    | 40,776    |
| Seed purchased                                  | 1,505        | 1,511  | 1,725  | 2,004  | 2,315  | 32,671         | 34,276    | 34,328    | 36,559    | 40,721    |
| Manufactured inputs                             | 4,358        | 4,280  | 4,509  | 5,027  | 4,922  | 199,099        | 213,143   | 213,730   | 234,538   | 241,867   |
| Fertilizers and lime                            | 1,422        | 1,318  | 1,344  | 1,479  | 1,450  | 86,939         | 88,851    | 95,723    | 100,010   | 107,514   |
| Pesticides                                      | 926          | 864    | 1,041  | 1,202  | 1,057  | 51,760         | 60,762    | 59,760    | 66,442    | 70,815    |
| Petroleum fuel and oils                         | 1,328        | 1,384  | 1,381  | 1,554  | 1,663  | 47,387         | 48,156    | 44,631    | 49,243    | 51,506    |
| Electricity                                     | 682          | 714    | 743    | 792    | 752    | 13,013         | 15,374    | 13,616    | 18,843    | 12,032    |
| Other intermediate expenses                     | 11,073       | 11,671 | 14,303 | 14,052 | 13,168 | 234,769        | 279,966   | 312,465   | 339,425   | 366,673   |
| Repair and maintenance of capital items         | 3,822        | 3,920  | 4,020  | 3,663  | 3,725  | 79,079         | 91,805    | 87,142    | 87,518    | 95,481    |
| Machine hire and customwork                     | 301          | 364    | 487    | 644    | 472    | 20,917         | 18,974    | 24,294    | 29,460    | 34,001    |
| Marketing, storage, and transportation expenses | 2,466        | 3,153  | 4,221  | 4,156  | 3,564  | 30,710         | 52,737    | 61,127    | 66,327    | 90,239    |
| Contract labor                                  | 188          | 197    | 264    | 220    | 325    | 7,479          | 7,945     | 9,009     | 12,554    | 16,368    |
| Miscellaneous expenses                          | 4,296        | 4,037  | 5,311  | 5,369  | 5,082  | 96,584         | 108,505   | 130,893   | 143,566   | 130,584   |
| plus: Net government transactions               | -3,142       | -3,353 | -3,331 | -3,444 | -3,655 | 41,827         | 77,268    | 32,191    | 5,048     | 14,610    |
| + Direct government payments                    | 308          | 140    | 451    | 318    | 156    | 72,588         | 102,512   | 60,188    | 33,771    | 42,868    |
| - Motor vehicle registration and licensing fees | 98           | 81     | 141    | 159    | 141    | 2,238          | 2,465     | 3,469     | 3,546     | 2,382     |
| - Property taxes                                | 3,352        | 3,412  | 3,641  | 3,603  | 3,670  | 28,523         | 22,779    | 24,528    | 25,177    | 25,876    |
| Gross value added                               | 61,356       | 64,049 | 63,365 | 60,620 | 57,829 | 720,229        | 689,879   | 892,136   | 746,822   | 889,176   |
| less: Capital consumption                       | 6,724        | 6,816  | 6,667  | 6,607  | 6,705  | 155,983        | 155,293   | 156,920   | 155,406   | 154,023   |
| Net value added                                 | 54,632       | 57,233 | 56,698 | 54,013 | 51,124 | 564,246        | 534,586   | 735,216   | 591,416   | 735,153   |
| less: Factor payments                           | 10,308       | 11,158 | 11,939 | 13,449 | 14,145 | 202,463        | 217,009   | 216,509   | 225,017   | 242,406   |
| Employee compensation (total hired labor)       | 8,834        | 9,333  | 9,521  | 10,466 | 10,962 | 84,288         | 99,850    | 94,161    | 98,935    | 100,785   |
| Net rent received by nonoperator landlords      | -572         | -665   | -779   | -703   | -719   | 49,400         | 51,252    | 51,633    | 55,756    | 65,681    |
| Real estate and nonreal estate interest         | 2,046        | 2,490  | 3,197  | 3,686  | 3,902  | 68,775         | 65,907    | 70,715    | 70,326    | 75,940    |
| Net farm income                                 | 44,324       | 46,075 | 44,759 | 40,564 | 36,979 | 361,783        | 317,577   | 518,707   | 366,399   | 492,747   |

See footnotes at end of table.

Continued—



Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96<sup>1</sup>—Continued

| Item  | South Dakota |           |           |           |           | Tennessee |           |           |           |           |
|---|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|   | 1992         | 1993      | 1994      | 1995      | 1996      | 1992      | 1993      | 1994      | 1995      | 1996      |
| <i>Thousand dollars</i>                         |              |           |           |           |           |           |           |           |           |           |
| Final crop output                               | 1,424,419    | 1,155,043 | 1,864,436 | 1,477,832 | 2,428,438 | 1,141,499 | 1,015,617 | 1,260,300 | 1,279,976 | 1,296,671 |
| Food grains                                     | 340,830      | 376,846   | 338,532   | 390,156   | 523,551   | 39,997    | 38,945    | 46,983    | 59,498    | 82,657    |
| Feed crops                                      | 588,265      | 529,119   | 650,439   | 648,756   | 780,615   | 143,901   | 137,908   | 138,769   | 172,653   | 228,140   |
| Cotton  | 0            | 0         | 0         | 0         | 0         | 247,901   | 183,087   | 289,402   | 287,872   | 275,895   |
| Oil crops                                       | 371,437      | 287,432   | 540,809   | 591,084   | 679,026   | 184,317   | 190,939   | 214,600   | 224,033   | 272,953   |
| Tobacco   | 0            | 0         | 0         | 0         | 0         | 246,389   | 266,089   | 247,968   | 205,439   | 218,810   |
| Fruits and tree nuts                            | 175          | 158       | 150       | 152       | 166       | 10,049    | 10,430    | 7,468     | 9,595     | 9,281     |
| Vegetables                                      | 7,353        | 6,291     | 9,126     | 7,133     | 11,151    | 47,738    | 53,726    | 65,208    | 58,464    | 62,416    |
| All other crops                                 | 36,334       | 36,392    | 94,868    | 59,200    | 56,238    | 171,710   | 182,737   | 190,520   | 210,284   | 224,061   |
| Home consumption                                | 1,918        | 1,136     | 1,183     | 1,661     | 1,458     | 4,658     | 2,732     | 2,887     | 4,078     | 3,578     |
| Value of inventory adjustment <sup>2</sup>      | 78,107       | -82,331   | 229,329   | -220,310  | 376,234   | 44,839    | -50,976   | 56,495    | 48,060    | -81,120   |
| Final animal output                             | 1,903,579    | 1,967,333 | 1,810,494 | 1,660,836 | 1,588,035 | 1,030,498 | 1,078,627 | 1,011,206 | 940,408   | 896,910   |
| Meat animals                                    | 1,481,110    | 1,679,999 | 1,424,009 | 1,416,790 | 1,311,259 | 542,515   | 482,326   | 498,414   | 420,212   | 462,987   |
| Dairy products                                  | 210,816      | 207,174   | 201,728   | 195,875   | 211,700   | 260,820   | 250,240   | 247,390   | 239,430   | 253,590   |
| Poultry and eggs                                | 51,119       | 51,437    | 46,845    | 55,812    | 71,208    | 166,228   | 199,793   | 196,987   | 203,756   | 252,133   |
| Miscellaneous livestock                         | 23,530       | 25,346    | 29,057    | 31,524    | 38,598    | 29,325    | 29,239    | 28,918    | 29,197    | 28,950    |
| Home consumption                                | 12,164       | 12,732    | 11,057    | 10,127    | 9,596     | 16,357    | 14,262    | 8,156     | 3,999     |           |
| Value of inventory adjustment <sup>2</sup>      | 124,840      | -9,355    | 97,798    | -49,292   | -54,326   | 15,253    | 102,767   | 31,341    | 42,811    | -104,749  |
| Services and forestry                           | 219,523      | 250,725   | 263,254   | 293,469   | 328,364   | 341,736   | 363,432   | 389,831   | 417,780   | 453,950   |
| Machine hire and customwork                     | 35,301       | 37,347    | 56,757    | 45,389    | 56,852    | 16,763    | 18,276    | 14,801    | 18,040    | 19,317    |
| Forest products sold                            | 590          | 595       | 600       | 610       | 620       | 37,421    | 51,479    | 55,551    | 58,846    | 57,617    |
| Other farm income                               | 99,576       | 123,580   | 101,334   | 135,739   | 154,542   | 63,166    | 59,312    | 61,995    | 68,102    | 78,674    |
| Gross imputed rental value of farm dwellings    | 84,056       | 89,203    | 104,563   | 111,731   | 116,350   | 224,386   | 234,365   | 257,484   | 272,792   | 298,342   |
| Final agricultural sector output                | 3,547,521    | 3,373,101 | 3,938,184 | 3,432,137 | 4,344,837 | 2,513,733 | 2,457,676 | 2,661,337 | 2,638,164 | 2,647,531 |
| less: Intermediate consumption outlays          | 1,526,645    | 1,600,768 | 1,621,404 | 1,681,781 | 1,733,226 | 1,065,203 | 1,131,665 | 1,135,206 | 1,203,926 | 1,298,267 |
| Farm origin                                     | 571,197      | 588,611   | 535,928   | 530,658   | 505,087   | 322,714   | 333,633   | 332,755   | 344,698   | 380,704   |
| Feed purchased                                  | 256,807      | 262,227   | 251,907   | 232,342   | 231,144   | 177,406   | 181,561   | 203,414   | 220,106   | 257,346   |
| Livestock and poultry purchased                 | 218,159      | 224,923   | 174,086   | 186,472   | 146,430   | 89,754    | 94,292    | 73,482    | 58,477    | 56,501    |
| Seed purchased                                  | 96,231       | 101,461   | 109,935   | 111,844   | 127,513   | 55,554    | 57,780    | 55,859    | 66,115    | 66,857    |
| Manufactured inputs                             | 418,458      | 424,260   | 457,618   | 491,446   | 555,136   | 302,547   | 319,722   | 308,701   | 350,973   | 373,498   |
| Fertilizers and lime                            | 119,813      | 130,606   | 145,375   | 165,012   | 192,747   | 136,959   | 143,083   | 139,575   | 164,909   | 174,878   |
| Pesticides                                      | 117,032      | 118,454   | 131,982   | 147,764   | 165,975   | 78,023    | 83,142    | 78,387    | 85,026    | 94,236    |
| Petroleum fuel and oils                         | 133,639      | 127,632   | 127,465   | 132,053   | 144,840   | 67,843    | 68,645    | 71,223    | 77,652    | 79,494    |
| Electricity                                     | 47,974       | 47,568    | 52,796    | 46,617    | 51,574    | 19,722    | 24,852    | 19,516    | 23,386    | 24,890    |
| Other intermediate expenses                     | 536,990      | 587,897   | 627,858   | 659,677   | 673,003   | 439,942   | 478,309   | 493,750   | 508,255   | 544,065   |
| Repair and maintenance of capital items         | 206,071      | 226,913   | 225,827   | 220,706   | 252,772   | 135,143   | 174,685   | 155,855   | 158,143   | 164,967   |
| Machine hire and customwork                     | 75,295       | 91,289    | 103,538   | 110,682   | 96,271    | 65,276    | 59,462    | 73,010    | 72,821    | 80,601    |
| Marketing, storage, and transportation expenses | 28,557       | 29,505    | 33,359    | 38,671    | 38,502    | 67,588    | 60,116    | 66,735    | 77,266    | 78,060    |
| Contract labor                                  | 4,949        | 6,181     | 3,668     | 7,082     | 4,350     | 22,879    | 19,866    | 30,172    | 23,786    | 28,441    |
| Miscellaneous expenses                          | 222,118      | 234,009   | 261,466   | 282,536   | 281,108   | 149,056   | 164,180   | 167,978   | 176,239   | 191,996   |
| plus: Net government transactions               | 95,166       | 263,335   | 112,512   | 59,747    | 44,727    | 27,070    | 76,864    | 11,060    | -49,252   | -19,303   |
| + Direct government payments                    | 271,899      | 432,424   | 289,205   | 244,998   | 229,605   | 115,866   | 160,624   | 95,584    | 47,329    | 79,917    |
| - Motor vehicle registration and licensing fees | 7,069        | 7,238     | 7,502     | 9,500     | 7,663     | 5,768     | 7,510     | 5,811     | 7,306     | 7,316     |
| - Property taxes                                | 169,664      | 161,851   | 169,191   | 175,751   | 177,215   | 83,028    | 76,250    | 78,713    | 89,275    | 91,904    |
| Gross value added                               | 2,116,042    | 2,035,667 | 2,429,292 | 1,810,103 | 2,656,338 | 1,475,600 | 1,402,875 | 1,537,191 | 1,384,985 | 1,329,962 |
| less: Capital consumption                       | 387,891      | 387,709   | 393,727   | 391,711   | 387,762   | 447,017   | 442,403   | 442,293   | 443,613   | 451,182   |
| Net value added                                 | 1,728,151    | 1,647,958 | 2,035,565 | 1,418,392 | 2,268,576 | 1,028,583 | 960,472   | 1,094,898 | 941,372   | 878,780   |
| less: Factor payments                           | 618,767      | 675,185   | 775,572   | 763,890   | 936,629   | 418,417   | 420,333   | 438,812   | 470,913   | 492,638   |
| Employee compensation (total hired labor)       | 75,893       | 80,689    | 93,541    | 91,848    | 100,940   | 120,470   | 129,221   | 143,327   | 130,268   | 132,342   |
| Net rent received by nonoperator landlords      | 285,287      | 316,515   | 383,871   | 343,811   | 497,255   | 143,009   | 146,632   | 147,283   | 164,108   | 181,048   |
| Real estate and nonreal estate interest         | 257,587      | 277,981   | 298,160   | 328,231   | 338,434   | 154,938   | 144,480   | 167,202   | 176,537   | 179,248   |
| Net farm income                                 | 1,109,384    | 972,773   | 1,259,993 | 654,502   | 1,331,947 | 610,166   | 540,140   | 656,086   | 470,459   | 386,142   |

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96<sup>1</sup>—Continued

| Item  | Texas      |            |            |            |            | Utah    |         |         |         |           |
|---|------------|------------|------------|------------|------------|---------|---------|---------|---------|-----------|
|   | 1992       | 1993       | 1994       | 1995       | 1996       | 1992    | 1993    | 1994    | 1995    | 1996      |
| <i>Thousand dollars</i>                         |            |            |            |            |            |         |         |         |         |           |
| Final crop output                               | 3,989,087  | 4,292,355  | 4,769,043  | 4,758,009  | 5,192,738  | 193,058 | 220,890 | 230,126 | 226,914 | 231,528   |
| Food grains                                     | 515,496    | 414,473    | 399,603    | 421,533    | 506,911    | 20,596  | 21,585  | 25,249  | 32,475  | 38,060    |
| Feed crops                                      | 1,038,829  | 977,250    | 1,084,490  | 1,220,131  | 1,412,217  | 80,691  | 104,543 | 112,813 | 110,663 | 108,210   |
| Cotton  | 951,502    | 1,622,010  | 1,837,139  | 1,357,721  | 1,809,633  | 0       | 0       | 0       | 0       | 0         |
| Oil crops                                       | 247,063    | 194,439    | 202,927    | 198,179    | 221,798    | 714     | 1,108   | 1,421   | 1,581   | 1,397     |
| Tobacco   | 0          | 0          | 0          | 0          | 0          | 0       | 0       | 0       | 0       | 0         |
| Fruits and tree nuts                            | 102,720    | 83,489     | 74,019     | 105,129    | 67,288     | 15,854  | 11,085  | 12,275  | 8,975   | 14,315    |
| Vegetables                                      | 351,004    | 407,675    | 394,837    | 452,034    | 348,106    | 35,263  | 35,338  | 31,913  | 23,089  | 23,462    |
| All other crops                                 | 737,654    | 820,135    | 826,982    | 902,964    | 929,252    | 40,415  | 44,030  | 46,178  | 43,905  | 41,560    |
| Home consumption                                | 10,851     | 6,583      | 6,956      | 10,169     | 8,923      | 723     | 428     | 452     | 675     | 592       |
| Value of inventory adjustment <sup>2</sup>      | 33,968     | -233,699   | -57,910    | 90,149     | -111,390   | -1,198  | 2,773   | -175    | 5,551   | 3,932     |
| Final animal output                             | 7,972,667  | 8,645,335  | 8,295,568  | 8,412,127  | 7,371,397  | 613,208 | 622,695 | 625,105 | 605,837 | 669,863   |
| Meat animals                                    | 5,792,846  | 6,345,962  | 6,022,962  | 6,439,126  | 5,499,461  | 288,294 | 324,755 | 301,793 | 289,677 | 283,824   |
| Dairy products                                  | 760,213    | 780,710    | 830,800    | 791,570    | 920,798    | 169,532 | 165,065 | 181,930 | 181,837 | 219,475   |
| Poultry and eggs                                | 816,621    | 897,788    | 950,176    | 961,219    | 1,118,391  | 63,824  | 70,566  | 59,531  | 69,268  | 73,536    |
| Miscellaneous livestock                         | 152,761    | 186,814    | 308,315    | 258,869    | 219,379    | 50,954  | 53,322  | 53,847  | 50,549  | 69,304    |
| Home consumption                                | 20,109     | 17,496     | 16,316     | 15,336     | 12,849     | 7,607   | 6,194   | 7,260   | 6,686   | 6,054     |
| Value of inventory adjustment <sup>2</sup>      | 430,117    | 416,565    | 166,999    | -53,993    | -399,481   | 32,997  | 2,793   | 20,744  | 7,820   | 17,670    |
| Services and forestry                           | 1,334,777  | 1,385,070  | 1,484,632  | 1,620,263  | 1,777,600  | 93,226  | 106,578 | 115,738 | 132,457 | 152,009   |
| Machine hire and customwork                     | 131,576    | 131,802    | 137,152    | 142,729    | 137,001    | 15,254  | 15,892  | 17,016  | 16,553  | 16,051    |
| Forest products sold                            | 70,000     | 88,000     | 105,000    | 105,000    | 107,000    | 290     | 283     | 94      | 95      | 97        |
| Other farm income                               | 552,394    | 530,594    | 538,058    | 631,681    | 771,818    | 20,568  | 24,889  | 21,049  | 26,483  | 37,883    |
| Gross imputed rental value of farm dwellings    | 580,807    | 634,674    | 721,422    | 740,853    | 761,781    | 57,114  | 65,514  | 77,579  | 89,326  | 97,978    |
| Final agricultural sector output                | 13,296,531 | 14,322,760 | 14,549,243 | 14,790,399 | 14,341,735 | 899,492 | 950,163 | 970,969 | 965,208 | 1,053,400 |
| less: Intermediate consumption outlays          | 7,268,031  | 7,921,769  | 7,705,897  | 8,803,150  | 8,340,048  | 384,710 | 419,859 | 488,353 | 497,794 | 545,219   |
| Farm origin                                     | 3,284,754  | 3,543,015  | 3,333,209  | 3,921,884  | 3,331,093  | 154,105 | 169,299 | 180,837 | 189,770 | 212,176   |
| Feed purchased                                  | 1,526,606  | 1,538,529  | 1,651,703  | 2,015,619  | 1,986,220  | 87,174  | 107,206 | 107,206 | 121,712 | 140,515   |
| Livestock and poultry purchased                 | 1,520,816  | 1,770,624  | 1,441,860  | 1,650,918  | 1,068,453  | 56,044  | 69,653  | 59,990  | 55,014  | 57,295    |
| Seed purchased                                  | 237,332    | 233,862    | 239,646    | 255,347    | 276,420    | 10,887  | 11,629  | 13,641  | 13,044  | 14,366    |
| Manufactured inputs                             | 1,405,966  | 1,461,480  | 1,518,079  | 1,751,263  | 1,893,022  | 66,002  | 67,142  | 80,338  | 84,007  | 94,101    |
| Fertilizers and lime                            | 477,960    | 505,861    | 563,170    | 641,486    | 673,956    | 14,038  | 16,021  | 20,774  | 22,065  | 24,319    |
| Pesticides                                      | 324,023    | 314,588    | 320,600    | 375,703    | 415,861    | 7,123   | 7,845   | 9,172   | 9,646   | 10,527    |
| Petroleum fuel and oils                         | 427,545    | 456,310    | 460,437    | 507,398    | 548,264    | 28,473  | 27,801  | 30,871  | 31,030  | 34,563    |
| Electricity                                     | 176,438    | 184,721    | 173,872    | 226,676    | 254,941    | 16,368  | 15,475  | 19,521  | 21,266  | 24,692    |
| Other intermediate expenses                     | 2,577,312  | 2,917,274  | 2,854,609  | 3,130,003  | 3,115,933  | 164,603 | 183,418 | 227,178 | 224,017 | 238,942   |
| Repair and maintenance of capital items         | 563,781    | 595,152    | 532,305    | 670,474    | 740,080    | 56,217  | 55,797  | 66,553  | 68,491  | 74,707    |
| Machine hire and customwork                     | 448,734    | 623,669    | 515,144    | 490,869    | 474,614    | 12,114  | 12,981  | 13,378  | 16,580  | 11,566    |
| Marketing, storage, and transportation expenses | 257,853    | 439,315    | 427,396    | 560,067    | 369,059    | 12,776  | 22,552  | 25,043  | 24,388  | 22,273    |
| Contract labor                                  | 167,031    | 123,534    | 106,504    | 79,079     | 105,247    | 3,383   | 3,460   | 3,167   | 4,719   | 5,701     |
| Miscellaneous expenses                          | 1,139,913  | 1,135,604  | 1,273,260  | 1,329,514  | 1,426,933  | 80,113  | 88,628  | 119,037 | 109,839 | 124,695   |
| plus: Net government transactions               | 824,025    | 1,056,951  | 434,665    | 204,756    | 307,297    | 11,552  | 10,111  | 1,118   | -7,849  | -12,792   |
| + Direct government payments                    | 1,162,039  | 1,420,830  | 863,129    | 642,673    | 764,778    | 35,972  | 36,614  | 32,055  | 24,495  | 21,006    |
| - Motor vehicle registration and licensing fees | 27,054     | 21,970     | 27,340     | 25,821     | 33,319     | 3,244   | 3,829   | 5,016   | 4,258   | 4,915     |
| - Property taxes                                | 310,960    | 341,909    | 401,124    | 412,096    | 424,162    | 21,176  | 22,674  | 25,921  | 28,086  | 28,883    |
| Gross value added                               | 6,852,525  | 7,457,942  | 7,278,012  | 6,192,005  | 6,308,984  | 526,334 | 540,415 | 483,734 | 459,565 | 495,389   |
| less: Capital consumption                       | 1,223,268  | 1,249,956  | 1,280,879  | 1,291,333  | 1,296,179  | 107,403 | 109,745 | 113,785 | 119,272 | 122,326   |
| Net value added                                 | 5,629,257  | 6,207,986  | 5,997,133  | 4,900,672  | 5,012,805  | 418,931 | 430,670 | 369,949 | 340,293 | 373,063   |
| less: Factor payments                           | 2,124,467  | 2,081,141  | 2,193,645  | 2,376,402  | 2,439,310  | 115,376 | 119,482 | 147,873 | 161,318 | 159,386   |
| Employee compensation (total hired labor)       | 633,561    | 696,849    | 651,569    | 779,549    | 738,357    | 54,572  | 67,250  | 87,998  | 92,120  | 90,876    |
| Net rent received by nonoperator landlords      | 672,544    | 663,931    | 784,358    | 733,054    | 832,424    | 7,071   | 3,999   | 7,082   | 12,440  | 11,764    |
| Real estate and nonreal estate interest         | 818,362    | 720,361    | 757,718    | 863,799    | 868,529    | 53,733  | 48,233  | 52,793  | 56,758  | 56,746    |
| Net farm income                                 | 3,504,790  | 4,126,845  | 3,803,488  | 2,524,270  | 2,573,495  | 303,555 | 311,188 | 222,076 | 178,975 | 213,677   |

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96<sup>1</sup>—Continued

| Item  | Vermont |         |         |         |         | Virginia  |           |           |           |           |
|---|---------|---------|---------|---------|---------|-----------|-----------|-----------|-----------|-----------|
|   | 1992    | 1993    | 1994    | 1995    | 1996    | 1992      | 1993      | 1994      | 1995      | 1996      |
| <i>Thousand dollars</i>                         |         |         |         |         |         |           |           |           |           |           |
| Final crop output                               | 98,275  | 77,187  | 88,144  | 86,921  | 91,770  | 838,528   | 645,688   | 827,537   | 863,973   | 897,135   |
| Food grains                                     | 0       | 0       | 0       | 0       | 0       | 45,757    | 39,091    | 44,061    | 65,516    | 69,692    |
| Feed crops                                      | 16,311  | 14,794  | 12,347  | 12,079  | 11,164  | 105,109   | 82,182    | 85,959    | 107,859   | 146,622   |
| Cotton  | 0       | 0       | 0       | 0       | 0       | 7,722     | 9,365     | 25,700    | 42,072    | 57,575    |
| Oil crops                                       | 0       | 0       | 0       | 0       | 0       | 161,586   | 131,189   | 160,622   | 141,704   | 154,599   |
| Tobacco   | 0       | 0       | 0       | 0       | 0       | 189,667   | 180,807   | 168,590   | 174,906   | 187,793   |
| Fruits and tree nuts                            | 10,398  | 9,560   | 8,607   | 9,791   | 10,153  | 46,881    | 43,669    | 45,129    | 53,045    | 52,980    |
| Vegetables                                      | 9,874   | 9,797   | 11,200  | 12,300  | 13,500  | 104,230   | 85,520    | 113,683   | 110,119   | 73,948    |
| All other crops                                 | 56,676  | 51,210  | 53,644  | 55,704  | 62,792  | 128,541   | 135,566   | 140,991   | 142,328   | 156,954   |
| Home consumption                                | 351     | 211     | 216     | 302     | 265     | 2,466     | 1,514     | 1,600     | 2,366     | 2,076     |
| Value of inventory adjustment <sup>2</sup>      | 4,665   | -8,385  | 2,130   | -3,255  | -6,104  | 46,569    | -63,215   | 41,202    | 24,058    | -5,104    |
| Final animal output                             | 408,671 | 390,928 | 396,276 | 389,556 | 438,490 | 1,373,381 | 1,428,009 | 1,445,459 | 1,426,845 | 1,498,996 |
| Meat animals                                    | 34,398  | 60,007  | 50,219  | 40,816  | 35,413  | 416,814   | 424,696   | 370,104   | 321,069   | 297,881   |
| Dairy products                                  | 343,198 | 332,850 | 331,262 | 331,204 | 392,688 | 291,888   | 276,500   | 272,272   | 266,340   | 289,980   |
| Poultry and eggs                                | 3,555   | 3,995   | 2,611   | 2,204   | 2,647   | 555,473   | 618,058   | 664,131   | 695,148   | 773,829   |
| Miscellaneous livestock                         | 5,277   | 5,380   | 5,989   | 6,134   | 6,309   | 90,386    | 95,818    | 102,924   | 110,294   | 116,293   |
| Home consumption                                | 1,900   | 2,043   | 1,682   | 1,260   | 1,104   | 13,086    | 11,919    | 10,122    | 9,292     | 8,062     |
| Value of inventory adjustment <sup>2</sup>      | 20,343  | -13,347 | 4,513   | 7,938   | 329     | 5,734     | 1,018     | 25,906    | 24,702    | 12,951    |
| Services and forestry                           | 45,945  | 47,118  | 49,483  | 49,950  | 47,151  | 301,776   | 297,367   | 309,483   | 326,905   | 360,397   |
| Machine hire and customwork                     | 3,088   | 3,169   | 3,336   | 3,422   | 3,340   | 10,899    | 11,883    | 9,623     | 11,730    | 12,560    |
| Forest products sold                            | 3,950   | 3,969   | 4,840   | 5,400   | 5,950   | 0         | 0         | 0         | 0         | 0         |
| Other farm income                               | 14,936  | 14,972  | 15,497  | 15,688  | 11,209  | 104,323   | 97,382    | 101,119   | 111,428   | 130,417   |
| Gross imputed rental value of farm dwellings    | 23,971  | 25,008  | 25,810  | 25,440  | 26,652  | 186,554   | 188,102   | 198,741   | 203,747   | 217,420   |
| Final agricultural sector output                | 552,891 | 515,233 | 533,903 | 526,427 | 577,411 | 2,513,685 | 2,371,064 | 2,582,479 | 2,617,723 | 2,756,528 |
| less: Intermediate consumption outlays          | 250,876 | 256,241 | 269,915 | 284,976 | 290,947 | 1,057,076 | 1,117,546 | 1,169,704 | 1,252,290 | 1,380,753 |
| Farm origin                                     | 117,597 | 118,038 | 112,240 | 121,807 | 134,096 | 405,236   | 428,344   | 484,637   | 508,279   | 599,700   |
| Feed purchased                                  | 105,504 | 105,416 | 99,699  | 109,452 | 122,302 | 282,939   | 303,106   | 354,836   | 371,739   | 463,165   |
| Livestock and poultry purchased                 | 7,514   | 8,027   | 7,293   | 6,260   | 4,752   | 79,167    | 80,380    | 86,434    | 85,211    | 84,630    |
| Seed purchased                                  | 4,579   | 4,595   | 5,248   | 6,095   | 7,042   | 43,130    | 44,858    | 43,367    | 51,329    | 51,905    |
| Manufactured inputs                             | 38,567  | 37,336  | 39,734  | 43,411  | 42,615  | 254,090   | 261,293   | 250,456   | 281,333   | 299,302   |
| Fertilizers and lime                            | 12,654  | 10,730  | 12,008  | 13,057  | 12,525  | 100,422   | 96,803    | 93,933    | 108,263   | 115,147   |
| Pesticides                                      | 3,486   | 3,250   | 3,919   | 4,522   | 3,977   | 62,907    | 67,034    | 63,201    | 68,554    | 75,979    |
| Petroleum fuel and oils                         | 11,484  | 11,905  | 11,887  | 13,135  | 14,048  | 66,129    | 66,418    | 68,947    | 75,308    | 77,090    |
| Electricity                                     | 10,943  | 11,451  | 11,920  | 12,697  | 12,065  | 24,632    | 31,038    | 24,375    | 29,208    | 31,086    |
| Other intermediate expenses                     | 94,712  | 100,867 | 117,941 | 119,758 | 114,236 | 397,750   | 427,909   | 434,611   | 462,678   | 481,751   |
| Repair and maintenance of capital items         | 27,512  | 27,409  | 28,260  | 26,158  | 26,140  | 111,995   | 130,989   | 123,542   | 126,657   | 124,572   |
| Machine hire and customwork                     | 5,696   | 6,882   | 9,212   | 12,172  | 8,912   | 22,988    | 24,827    | 28,088    | 30,563    | 35,944    |
| Marketing, storage, and transportation expenses | 15,820  | 19,433  | 24,977  | 24,661  | 22,992  | 69,306    | 62,995    | 67,396    | 81,273    | 78,266    |
| Contract labor                                  | 871     | 916     | 1,225   | 1,020   | 1,511   | 15,875    | 13,784    | 20,936    | 16,505    | 19,734    |
| Miscellaneous expenses                          | 44,813  | 46,227  | 54,267  | 55,747  | 54,681  | 177,586   | 195,314   | 194,649   | 207,680   | 223,235   |
| plus: Net government transactions               | -19,003 | -21,465 | -22,654 | -22,409 | -23,040 | -47,263   | -25,125   | -38,501   | -57,760   | -55,205   |
| + Direct government payments                    | 5,550   | 3,377   | 4,254   | 4,325   | 4,035   | 29,072    | 46,346    | 34,232    | 25,390    | 30,423    |
| - Motor vehicle registration and licensing fees | 768     | 634     | 1,069   | 1,165   | 1,033   | 3,426     | 4,514     | 3,614     | 4,756     | 4,925     |
| - Property taxes                                | 23,765  | 24,208  | 25,839  | 25,569  | 26,042  | 72,909    | 66,957    | 69,119    | 78,394    | 80,703    |
| Gross value added                               | 283,012 | 237,527 | 241,333 | 219,042 | 263,424 | 1,409,346 | 1,228,393 | 1,374,274 | 1,307,673 | 1,320,570 |
| less: Capital consumption                       | 61,741  | 60,385  | 58,762  | 57,382  | 57,357  | 357,545   | 348,125   | 345,365   | 349,783   | 357,335   |
| Net value added                                 | 221,271 | 177,142 | 182,571 | 161,660 | 206,067 | 1,051,801 | 880,268   | 1,028,909 | 957,890   | 963,235   |
| less: Factor payments                           | 59,504  | 59,023  | 65,245  | 69,327  | 73,259  | 367,270   | 364,165   | 367,421   | 384,271   | 395,295   |
| Employee compensation (total hired labor)       | 37,305  | 39,408  | 40,206  | 44,194  | 46,288  | 164,189   | 176,115   | 169,444   | 177,542   | 180,368   |
| Net rent received by nonoperator landlords      | -1,456  | -2,033  | -2,056  | -1,289  | -989    | 48,457    | 45,145    | 43,919    | 53,529    | 57,856    |
| Real estate and nonreal estate interest         | 23,655  | 21,648  | 27,095  | 26,422  | 27,960  | 154,624   | 142,905   | 154,058   | 153,200   | 157,071   |
| Net farm income                                 |         |         |         |         |         |           |           |           |           |           |

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96<sup>1</sup>—Continued

| Item  | Washington |           |           |           |           | West Virginia |         |         |         |         |
|---|------------|-----------|-----------|-----------|-----------|---------------|---------|---------|---------|---------|
|   | 1992       | 1993      | 1994      | 1995      | 1996      | 1992          | 1993    | 1994    | 1995    | 1996    |
| <i>Thousand dollars</i>                         |            |           |           |           |           |               |         |         |         |         |
| Final crop output                               | 2,951,866  | 3,242,071 | 3,165,481 | 3,552,270 | 4,248,713 | 92,732        | 70,996  | 72,943  | 79,057  | 70,507  |
| Food grains                                     | 436,442    | 481,296   | 520,899   | 706,986   | 774,530   | 1,560         | 1,390   | 1,534   | 2,204   | 2,072   |
| Feed crops                                      | 245,908    | 267,744   | 260,822   | 309,204   | 364,768   | 17,861        | 20,553  | 18,533  | 21,316  | 25,662  |
| Cotton  | 0          | 0         | 0         | 0         | 0         | 0             | 0       | 0       | 0       | 0       |
| Oil crops                                       | 1,716      | 1,831     | 3,718     | 3,664     | 4,744     | 6             | NA      | NA      | NA      | 0       |
| Tobacco   | 0          | 0         | 0         | 0         | 0         | 6,529         | 6,480   | 6,529   | 5,749   | 3,775   |
| Fruits and tree nuts                            | 1,149,827  | 1,062,351 | 1,014,180 | 1,231,952 | 1,466,167 | 28,130        | 25,532  | 20,595  | 25,877  | 24,355  |
| Vegetables                                      | 573,002    | 781,897   | 810,410   | 818,163   | 831,098   | 5,800         | 6,300   | 6,000   | 5,800   | 5,600   |
| All other crops                                 | 480,326    | 505,798   | 533,120   | 561,135   | 575,283   | 19,049        | 15,021  | 17,715  | 18,013  | 18,515  |
| Home consumption                                | 2,028      | 1,185     | 1,252     | 1,812     | 1,590     | 1,096         | 658     | 696     | 1,007   | 883     |
| Value of inventory adjustment <sup>2</sup>      | 62,617     | 139,969   | 21,080    | -80,646   | 230,533   | 12,701        | -4,938  | 1,341   | -909    | -10,355 |
| Final animal output                             | 1,486,194  | 1,616,021 | 1,565,606 | 1,563,987 | 1,624,835 | 250,265       | 324,963 | 346,658 | 309,767 | 302,362 |
| Meat animals                                    | 607,681    | 706,231   | 700,064   | 652,353   | 626,399   | 107,591       | 127,615 | 97,970  | 76,390  | 55,683  |
| Dairy products                                  | 645,710    | 635,005   | 677,191   | 684,172   | 788,075   | 36,448        | 35,370  | 36,046  | 34,190  | 37,848  |
| Poultry and eggs                                | 144,578    | 154,506   | 172,429   | 178,872   | 179,463   | 98,980        | 152,338 | 190,971 | 195,753 | 208,765 |
| Miscellaneous livestock                         | 76,332     | 68,933    | 75,843    | 68,024    | 70,453    | 6,461         | 6,436   | 5,991   | 5,648   | 5,895   |
| Home consumption                                | 14,356     | 12,950    | 7,218     | 6,429     | 6,601     | 6,406         | 6,983   | 5,510   | 4,294   | 3,176   |
| Value of inventory adjustment <sup>2</sup>      | -2,463     | 38,396    | -67,139   | -25,863   | -46,156   | -5,621        | -3,779  | 10,170  | -6,508  | -9,005  |
| Services and forestry                           | 561,840    | 640,302   | 709,522   | 711,347   | 730,473   | 72,921        | 80,769  | 87,414  | 92,041  | 98,673  |
| Machine hire and customwork                     | 65,030     | 73,562    | 73,169    | 56,671    | 87,101    | 2,460         | 2,682   | 2,172   | 2,647   | 2,835   |
| Forest products sold                            | 295,000    | 345,000   | 395,000   | 380,000   | 345,000   | 3,800         | 4,000   | 4,000   | 4,000   | 4,000   |
| Other farm income                               | 57,503     | 74,815    | 62,066    | 78,407    | 94,637    | 18,786        | 21,681  | 26,003  | 28,677  | 32,055  |
| Gross imputed rental value of farm dwellings    | 144,307    | 146,925   | 179,287   | 196,269   | 203,735   | 47,875        | 52,406  | 55,239  | 56,717  | 59,783  |
| Final agricultural sector output                | 4,999,900  | 5,498,394 | 5,440,609 | 5,827,604 | 6,604,021 | 415,918       | 476,728 | 507,015 | 480,865 | 471,542 |
| less: Intermediate consumption outlays          | 2,101,102  | 2,417,602 | 2,514,477 | 2,842,252 | 2,842,625 | 190,470       | 240,038 | 266,357 | 278,128 | 295,868 |
| Farm origin                                     | 647,036    | 819,046   | 739,570   | 845,745   | 847,517   | 73,411        | 100,137 | 125,757 | 129,853 | 141,962 |
| Feed purchased                                  | 372,730    | 470,543   | 454,179   | 506,800   | 493,017   | 49,476        | 64,888  | 87,007  | 93,645  | 107,069 |
| Livestock and poultry purchased                 | 155,283    | 221,040   | 163,589   | 194,663   | 191,436   | 20,018        | 31,175  | 34,811  | 31,546  | 30,179  |
| Seed purchased                                  | 119,023    | 127,463   | 121,802   | 144,282   | 163,064   | 3,917         | 4,074   | 3,939   | 4,662   | 4,714   |
| Manufactured inputs                             | 539,746    | 536,921   | 586,888   | 649,224   | 712,152   | 36,842        | 39,011  | 37,060  | 41,085  | 42,747  |
| Fertilizers and lime                            | 187,465    | 179,785   | 222,458   | 251,672   | 261,571   | 12,839        | 13,407  | 12,561  | 13,883  | 14,107  |
| Pesticides                                      | 177,466    | 184,842   | 190,901   | 215,839   | 236,387   | 6,281         | 6,693   | 6,310   | 6,845   | 7,586   |
| Petroleum fuel and oils                         | 108,416    | 111,704   | 107,029   | 107,299   | 119,268   | 13,283        | 13,317  | 13,796  | 15,093  | 15,451  |
| Electricity                                     | 66,399     | 60,590    | 66,500    | 74,414    | 94,926    | 4,439         | 5,594   | 4,393   | 5,264   | 5,603   |
| Other intermediate expenses                     | 914,320    | 1,061,635 | 1,188,019 | 1,347,283 | 1,282,956 | 80,217        | 100,890 | 103,540 | 107,190 | 111,159 |
| Repair and maintenance of capital items         | 243,054    | 261,224   | 270,757   | 283,895   | 296,338   | 30,341        | 39,883  | 35,659  | 36,320  | 37,969  |
| Machine hire and customwork                     | 80,449     | 94,792    | 109,397   | 101,832   | 101,289   | 3,287         | 3,531   | 3,784   | 4,011   | 4,612   |
| Marketing, storage, and transportation expenses | 220,389    | 252,852   | 342,488   | 379,566   | 337,957   | 10,616        | 11,784  | 12,344  | 14,245  | 12,775  |
| Contract labor                                  | 50,239     | 55,228    | 54,434    | 57,966    | 55,992    | 3,265         | 2,835   | 4,306   | 3,395   | 4,059   |
| Miscellaneous expenses                          | 320,189    | 397,539   | 410,943   | 524,024   | 491,380   | 32,708        | 42,857  | 47,447  | 49,219  | 51,744  |
| plus: Net government transactions               | 51,905     | 60,972    | -12,131   | -62,769   | -21,261   | -5,219        | -5,296  | -6,037  | -8,047  | -9,112  |
| + Direct government payments                    | 188,743    | 207,208   | 152,840   | 115,832   | 156,039   | 6,862         | 6,259   | 5,513   | 5,235   | 4,538   |
| - Motor vehicle registration and licensing fees | 17,051     | 18,427    | 22,713    | 27,510    | 22,826    | 1,152         | 1,518   | 1,189   | 1,531   | 1,553   |
| - Property taxes                                | 119,787    | 127,809   | 142,258   | 151,091   | 154,474   | 10,929        | 10,037  | 10,361  | 11,751  | 12,097  |
| Gross value added                               | 2,950,703  | 3,141,764 | 2,914,001 | 2,922,583 | 3,740,135 | 220,229       | 231,394 | 234,621 | 194,690 | 166,562 |
| less: Capital consumption                       | 355,608    | 355,485   | 368,172   | 373,378   | 372,840   | 91,625        | 91,917  | 91,406  | 91,771  | 93,080  |
| Net value added                                 | 2,595,095  | 2,786,279 | 2,545,829 | 2,549,205 | 3,367,295 | 128,604       | 139,477 | 143,215 | 102,919 | 73,482  |
| less: Factor payments                           | 1,358,526  | 1,410,969 | 1,506,773 | 1,616,288 | 1,767,954 | 58,031        | 59,490  | 60,042  | 61,796  | 63,150  |
| Employee compensation (total hired labor)       | 594,357    | 626,694   | 639,323   | 735,058   | 819,156   | 23,458        | 25,162  | 24,209  | 25,366  | 25,770  |
| Net rent received by nonoperator landlords      | 557,077    | 570,977   | 633,489   | 624,778   | 677,155   | 3,028         | 2,982   | 2,077   | 3,195   | 3,111   |
| Real estate and nonreal estate interest         | 207,092    | 213,298   | 233,961   | 256,452   | 271,643   | 31,545        | 31,346  | 33,756  | 33,235  | 34,269  |
| Net farm income                                 | 1,236,569  | 1,375,310 | 1,039,056 | 932,917   | 1,599,341 | 70,573        | 79,987  | 83,173  | 41,123  | 10,332  |

See footnotes at end of table.

Continued—

Table 2-1—Value added to the economy by the agricultural sector via the production of goods and services, 1992-96<sup>1</sup>—Continued

| Item  | Wisconsin |           |           |           |           | Wyoming |           |         |         |         |
|---|-----------|-----------|-----------|-----------|-----------|---------|-----------|---------|---------|---------|
|   | 1992      | 1993      | 1994      | 1995      | 1996      | 1992    | 1993      | 1994    | 1995    | 1996    |
| <i>Thousand dollars</i>                         |           |           |           |           |           |         |           |         |         |         |
| Final crop output                               | 1,244,769 | 1,148,622 | 1,791,023 | 1,619,484 | 1,758,702 | 168,720 | 205,098   | 137,049 | 209,564 | 187,831 |
| Food grains                                     | 11,074    | 13,183    | 25,461    | 33,963    | 28,560    | 18,979  | 18,344    | 18,746  | 27,643  | 34,710  |
| Feed crops                                      | 599,177   | 521,636   | 525,224   | 795,184   | 788,178   | 90,136  | 86,793    | 79,258  | 87,151  | 88,866  |
| Cotton  | 0         | 0         | 0         | 0         | 0         | 0       | 0         | 0       | 0       | 0       |
| Oil crops                                       | 121,768   | 127,197   | 165,540   | 199,986   | 235,680   | 229     | 233       | 238     | 244     | 201     |
| Tobacco   | 22,224    | 19,070    | 10,352    | 8,670     | 8,993     | 0       | 0         | 0       | 0       | 0       |
| Fruits and tree nuts                            | 88,160    | 86,231    | 105,604   | 115,891   | 120,536   | 12      | 12        | 10      | 10      | 10      |
| Vegetables                                      | 353,515   | 328,903   | 384,819   | 364,432   | 379,580   | 25,472  | 20,356    | 16,584  | 17,972  | 18,462  |
| All other crops                                 | 193,915   | 198,098   | 203,405   | 206,610   | 211,937   | 63,296  | 54,813    | 45,405  | 51,057  | 42,089  |
| Home consumption                                | 4,330     | 2,600     | 2,748     | 4,027     | 3,534     | 504     | 303       | 320     | 463     | 406     |
| Value of inventory adjustment <sup>2</sup>      | -149,394  | -148,296  | 367,870   | -109,279  | -18,296   | -29,908 | 24,244    | -23,512 | 25,024  | 3,086   |
| Final animal output                             | 4,262,746 | 4,047,955 | 3,970,481 | 3,919,296 | 4,225,139 | 660,499 | 704,608   | 613,999 | 553,638 | 533,009 |
| Meat animals                                    | 973,957   | 975,236   | 860,438   | 789,006   | 739,130   | 578,664 | 633,817   | 593,592 | 512,670 | 444,375 |
| Dairy products                                  | 3,097,803 | 2,906,048 | 2,873,682 | 2,915,917 | 3,261,815 | 12,375  | 11,867    | 11,624  | 8,880   | 10,813  |
| Poultry and eggs                                | 174,189   | 185,693   | 185,230   | 197,828   | 218,112   | 156     | 161       | 222     | 345     | 854     |
| Miscellaneous livestock                         | 34,117    | 41,264    | 42,180    | 46,218    | 69,021    | 16,873  | 14,605    | 17,654  | 22,092  | 21,599  |
| Home consumption                                | 19,862    | 20,441    | 18,020    | 16,284    | 14,771    | 5,766   | 4,178     | 5,592   | 5,013   | 4,633   |
| Value of inventory adjustment <sup>2</sup>      | -37,182   | -80,727   | -9,069    | -45,957   | -77,710   | 46,665  | 39,980    | -14,685 | 4,638   | 50,735  |
| Services and forestry                           | 405,612   | 446,914   | 493,193   | 540,734   | 580,694   | 86,785  | 101,384   | 107,481 | 120,555 | 139,463 |
| Machine hire and customwork                     | 46,821    | 46,652    | 52,844    | 40,969    | 59,346    | 11,495  | 11,976    | 12,823  | 12,474  | 12,096  |
| Forest products sold                            | 55,935    | 75,500    | 75,800    | 76,000    | 76,000    | 650     | 700       | 700     | 800     | 800     |
| Other farm income                               | 87,101    | 88,941    | 90,801    | 101,768   | 102,122   | 31,703  | 37,932    | 32,487  | 39,716  | 55,873  |
| Gross imputed rental value of farm dwellings    | 215,755   | 235,821   | 273,748   | 321,997   | 343,226   | 42,937  | 50,776    | 61,471  | 67,565  | 70,694  |
| Final agricultural sector output                | 5,913,127 | 5,643,491 | 6,254,697 | 6,079,514 | 6,564,536 | 916,004 | 1,011,090 | 858,529 | 883,757 | 860,303 |
| less: Intermediate consumption outlays          | 2,892,093 | 3,126,991 | 3,378,760 | 3,361,962 | 3,342,852 | 461,580 | 494,551   | 509,475 | 497,883 | 492,783 |
| Farm origin                                     | 999,751   | 1,078,974 | 1,160,404 | 1,183,742 | 1,214,606 | 234,398 | 247,267   | 210,793 | 204,046 | 194,913 |
| Feed purchased                                  | 775,036   | 839,204   | 883,457   | 930,403   | 927,448   | 58,318  | 57,107    | 65,243  | 67,733  | 76,854  |
| Livestock and poultry purchased                 | 35,390    | 36,544    | 43,193    | 50,626    | 65,280    | 166,511 | 179,939   | 133,560 | 124,848 | 105,432 |
| Seed purchased                                  | 189,325   | 203,226   | 233,754   | 202,713   | 221,878   | 9,569   | 10,221    | 11,990  | 11,465  | 12,627  |
| Manufactured inputs                             | 712,241   | 722,302   | 785,043   | 762,954   | 780,756   | 66,325  | 66,967    | 81,933  | 85,555  | 95,450  |
| Fertilizers and lime                            | 264,942   | 256,191   | 293,844   | 292,811   | 295,343   | 17,289  | 18,791    | 25,584  | 27,175  | 29,951  |
| Pesticides                                      | 154,503   | 167,948   | 188,927   | 181,509   | 196,345   | 7,889   | 8,689     | 10,159  | 10,684  | 11,660  |
| Petroleum fuel and oils                         | 167,840   | 172,761   | 175,814   | 164,873   | 166,189   | 29,514  | 28,489    | 32,316  | 32,582  | 36,290  |
| Electricity                                     | 124,956   | 125,402   | 126,458   | 123,761   | 122,879   | 11,633  | 10,998    | 13,874  | 15,114  | 17,549  |
| Other intermediate expenses                     | 1,180,101 | 1,325,715 | 1,433,313 | 1,415,266 | 1,347,490 | 160,857 | 180,317   | 216,749 | 208,282 | 202,420 |
| Repair and maintenance of capital items         | 351,250   | 405,433   | 421,168   | 405,772   | 459,775   | 50,978  | 52,061    | 61,590  | 61,100  | 65,395  |
| Machine hire and customwork                     | 73,618    | 102,508   | 126,482   | 115,293   | 96,196    | 13,040  | 13,973    | 14,400  | 17,848  | 12,450  |
| Marketing, storage, and transportation expenses | 158,679   | 156,127   | 202,260   | 197,463   | 178,861   | 13,444  | 22,812    | 23,722  | 21,866  | 16,886  |
| Contract labor                                  | 7,201     | 14,501    | 11,728    | 7,953     | 9,901     | 4,351   | 4,450     | 4,073   | 6,070   | 7,332   |
| Miscellaneous expenses                          | 589,353   | 647,146   | 671,675   | 688,785   | 602,757   | 79,044  | 87,021    | 112,964 | 101,398 | 100,357 |
| plus: Net government transactions               | -217,203  | -85,008   | -188,795  | -256,005  | -286,641  | 11,700  | 16,104    | 6,589   | -1,780  | -10,000 |
| + Direct government payments                    | 166,027   | 310,168   | 236,401   | 183,832   | 156,849   | 36,663  | 43,213    | 38,173  | 31,229  | 24,381  |
| - Motor vehicle registration and licensing fees | 13,040    | 10,827    | 11,682    | 12,310    | 11,913    | 2,969   | 3,559     | 4,662   | 3,839   | 4,383   |
| - Property taxes                                | 370,190   | 384,349   | 413,514   | 427,527   | 431,577   | 21,994  | 23,550    | 26,922  | 29,170  | 29,998  |
| Gross value added                               | 2,803,830 | 2,431,493 | 2,687,142 | 2,461,547 | 2,935,043 | 466,124 | 532,643   | 355,643 | 384,094 | 357,520 |
| less: Capital consumption                       | 881,656   | 893,187   | 911,299   | 932,779   | 931,335   | 91,735  | 95,679    | 99,906  | 101,575 | 101,665 |
| Net value added                                 | 1,922,174 | 1,538,306 | 1,775,843 | 1,528,768 | 2,003,708 | 374,389 | 436,964   | 255,737 | 282,519 | 255,855 |
| less: Factor payments                           | 1,159,346 | 1,160,174 | 1,294,431 | 1,244,701 | 1,443,312 | 133,525 | 141,769   | 160,655 | 192,208 | 189,100 |
| Employee compensation (total hired labor)       | 476,801   | 475,891   | 497,822   | 463,596   | 536,960   | 43,708  | 53,860    | 70,478  | 73,781  | 72,784  |
| Net rent received by nonoperator landlords      | 300,966   | 322,071   | 383,524   | 334,260   | 434,616   | 24,927  | 23,884    | 17,356  | 40,567  | 38,793  |
| Real estate and nonreal estate interest         | 381,579   | 362,212   | 413,085   | 446,845   | 471,736   | 64,890  | 64,025    | 72,821  | 77,860  | 77,523  |
| Net farm income                                 | 762,828   | 378,132   | 481,412   | 284,067   | 560,396   | 240,864 | 295,195   | 95,082  | 90,311  | 66,755  |

NA = Not available. <sup>1</sup>Final sector output is the gross value of the commodities and services produced within a year. Net value added is the sector's contribution to the national economy and is the sum of the income from production earned by all factors of production. Net farm income is the operator's share on income from the sector's activities. The concept is consistent with that employed by the Organization for Economic Cooperation and Development. <sup>2</sup>A positive value of inventory change represents current-year production not sold by December 1. A negative value is an offset to production from prior years that is included in current-year sales.

**Table 2-2—Ranking of 10 leading States in cash receipts for top 25 commodities, 1996**

| Commodity <sup>1</sup>          | Rank <sup>2</sup> | Value                  | Top 10 States by their value of cash receipts |           |           |          |          |          |          |          |          |          |
|---------------------------------|-------------------|------------------------|---|-----------|-----------|----------|----------|----------|----------|----------|----------|----------|
|                                 |                   |                        | 1   | 2         | 3         | 4        | 5        | 6        | 7        | 8        | 9        | 10       |
|                                 |                   | <i>Million dollars</i> | <i>State and million dollars</i>              |           |           |          |          |          |          |          |          |          |
| All commodities                 |                   | 202,339                | CA 23,310                                     | TX 13,053 | IA 12,853 | NE 9,454 | IL 9,050 | MN 8,809 | KS 7,869 | NC 7,831 | FL 6,131 | WI 6,062 |
| All livestock and products      |                   | 92,814                 | TX 7,758                                      | CA 6,213  | IA 5,457  | NE 5,277 | KS 4,570 | NC 4,427 | WI 4,288 | MN 4,168 | AR 3,357 | GA 3,279 |
| All crops                       |                   | 109,425                | CA 17,096                                     | IA 7,396  | IL 6,989  | TX 5,295 | FL 4,942 | MN 4,641 | NE 4,177 | WA 4,017 | IN 3,663 | NC 3,404 |
| Cattle and calves               | 1                 | 31,138                 | TX 5,331                                      | NE 4,082  | KS 3,995  | CO 2,072 | IA 1,461 | OK 1,446 | CA 1,145 | SD 946   | MN 925   | MT 656   |
| Dairy products                  | 2                 | 22,834                 | CA 3,717                                      | WI 3,262  | NY 1,693  | PA 1,662 | MN 1,362 | TX 921   | MI 807   | WA 788   | ID 653   | OH 651   |
| Corn                            | 3                 | 21,573                 | IA 4,290                                      | IL 3,546  | NE 2,491  | IN 1,784 | MN 1,704 | OH 947   | KS 783   | WI 707   | TX 684   | MO 670   |
| Soybeans                        | 4                 | 16,211                 | IA 2,892                                      | IL 2,784  | MN 1,618  | IN 1,453 | OH 1,126 | MO 996   | NE 828   | AR 763   | SD 561   | KS 455   |
| Broilers                        | 5                 | 13,906                 | GA 2,205                                      | AR 2,122  | AL 1,635  | NC 1,310 | MS 1,197 | TX 726   | DE 524   | MD 513   | VA 466   | CA 457   |
| Hogs                            | 6                 | 12,644                 | IA 3,004                                      | NC 1,749  | MN 1,116  | IL 1,039 | NE 856   | IN 830   | MO 652   | OH 398   | KS 328   | SD 325   |
| Greenhouse/nursery <sup>3</sup> | 7                 | 10,887                 | CA 2,224                                      | FL 1,140  | NC 889    | TX 838   | OH 517   | OR 442   | MI 422   | PA 318   | GA 273   | OK 263   |
| Wheat                           | 8                 | 9,956                  | ND 1,607                                      | KS 1,184  | MT 861    | WA 775   | SD 520   | ID 484   | MN 413   | OK 398   | CO 391   | NE 338   |
| Cotton                          | 9                 | 7,461                  | TX 1,810                                      | CA 1,191  | GA 782    | MS 726   | AR 625   | LA 520   | NC 343   | AZ 341   | TN 276   | AL 260   |
| Chicken eggs                    | 10                | 4,757                  | CA 367  | OH 359    | GA 348    | IN 320   | AR 300   | PA 295   | TX 291   | IA 247   | AL 225   | NC 218   |
| Hay                             | 11                | 3,574                  | CA 565  | WA 231    | OR 220    | ID 198   | CO 169   | TX 166   | NM 155   | PA 116   | OK 102   | KS 97    |
| Turkeys                         | 12                | 3,056                  | NC 612  | MN 427    | MO 249    | AR 232   | CA 222   | VA 204   | IN 151   | SC 108   | PA 103   | IA 102   |
| Tobacco                         | 13                | 2,796                  | NC 1,021                                      | KY 813    | TN 219    | SC 215   | VA 188   | GA 176   | OH 34    | FL 31    | PA 22    | IN 22    |
| Potatoes                        | 14                | 2,699                  | ID 716  | WA 470    | CA 179    | OR 164   | WI 154   | ND 132   | CO 124   | MN 119   | ME 103   | MI 94    |

See footnotes at end of table.

Continued—

**Table 2-2—Ranking of 10 leading States in cash receipts for top 25 commodities, 1996—Continued**

| Commodity <sup>1</sup> | Rank <sup>2</sup> | Value                  | Top 10 States by their value of cash receipts |             |             |           |           |           |           |           |           |           |
|------------------------|-------------------|------------------------|---|-------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                        |                   |                        | 1   | 2           | 3           | 4         | 5         | 6         | 7         | 8         | 9         | 10        |
|                        |                   | <i>Million dollars</i> | <i>State and million dollars</i>              |             |             |           |           |           |           |           |           |           |
| Grapes                 | 15                | 2,334                  | CA<br>2,154                                   | WA<br>58    | NY<br>44    | AZ<br>20  | PA<br>17  | OR<br>15  | MI<br>14  | AR<br>5   | GA<br>4   | OH<br>2   |
| Apples                 | 16                | 1,846                  | WA<br>1,098                                   | CA<br>147   | NY<br>138   | MI<br>107 | PA<br>49  | VA<br>39  | NC<br>24  | OH<br>24  | ID<br>22  | OR<br>17  |
| Sorghum grain          | 17                | 1,813                  | KS<br>678                                     | TX<br>558   | NE<br>203   | MO<br>111 | OK<br>62  | AR<br>47  | IL<br>37  | CO<br>26  | LA<br>26  | SD<br>17  |
| Oranges                | 18                | 1,798                  | FL<br>1,291                                   | CA<br>493   | AZ<br>8     | TX<br>7   | —         | —         | —         | —         | —         | —         |
| Tomatoes               | 19                | 1,603                  | CA<br>908                                     | FL<br>382   | OH<br>47    | GA<br>44  | SC<br>34  | IN<br>25  | VA<br>25  | NJ<br>24  | MI<br>21  | TN<br>18  |
| Rice                   | 20                | 1,575                  | AR<br>644                                     | CA<br>320   | LA<br>246   | TX<br>181 | MS<br>133 | MO<br>51  | —         | —         | —         | —         |
| Lettuce                | 21                | 1,427                  | CA<br>1,084                                   | AZ<br>306   | NJ<br>13    | FL<br>7   | NM<br>6   | OH<br>5   | CO<br>4   | WA<br>2   | NY<br>1   | —         |
| Sugar beets            | 22                | 1,017                  | MN<br>303                                     | ID<br>184   | ND<br>165   | CA<br>95  | MI<br>66  | MT<br>52  | WY<br>37  | CO<br>37  | NE<br>31  | OR<br>16  |
| Almonds                | 23                | 1,009                  | CA<br>1,009                                   | —           | —           | —         | —         | —         | —         | —         | —         | —         |
| Barley                 | 24                | 992                    | ND<br>303                                     | ID<br>155   | MT<br>153   | MN<br>73  | WA<br>70  | CA<br>47  | WY<br>30  | CO<br>27  | OR<br>24  | UT<br>23  |
| Peanuts                | 25                | 969                    | GA<br>389                                     | TX<br>171   | AL<br>119   | NC<br>96  | FL<br>59  | VA<br>59  | OK<br>59  | NM<br>10  | SC<br>8   | AZ<br>1   |
| Vegetables             |                   | 14,349                 | CA<br>5,474                                   | FL<br>1,303 | ID<br>848   | WA<br>831 | AZ<br>555 | MI<br>429 | OR<br>397 | WI<br>380 | GA<br>378 | TX<br>348 |
| Fruits and nuts        |                   | 11,074                 | CA<br>6,370                                   | FL<br>1,774 | WA<br>1,466 | OR<br>261 | MI<br>223 | NY<br>209 | HA<br>180 | WI<br>121 | MA<br>121 | AZ<br>120 |

— = Not applicable.

<sup>1</sup>The 25 leading commodities ranked by value of farm marketings, plus totals for vegetables and fruits and nuts.

<sup>2</sup>Rankings of the States and commodities available on Internet at [www.econ.ag.gov/briefing/fbe/fi/fi.htm](http://www.econ.ag.gov/briefing/fbe/fi/fi.htm)

<sup>3</sup>Excludes mushrooms.

Source: Economic Research Service, U.S. Department of Agriculture.

**Table 2-3—States ranked by cash receipts, with five leading commodities, 1996<sup>1</sup>**

| State          | Total |                  | Livestock and products |                  | Crops |                  | Five leading commodities for each State |                  |                    |                  |                    |                  |                    |                  |                    |                  |
|----------------|-------|------------------|------------------------|------------------|-------|------------------|---|------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|
|                | Rank  | Cash receipts    | Rank                   | Cash receipts    | Rank  | Cash receipts    | 1                                       |                  | 2                  |                  | 3                  |                  | 4                  |                  | 5                  |                  |
|                |       |                  |                        |                  |       |                  | Commodity                               | Cash receipts    | Commodity          | Cash receipts    | Commodity          | Cash receipts    | Commodity          | Cash receipts    | Commodity          | Cash receipts    |
|                |       | Thousand dollars |                        | Thousand dollars |       | Thousand dollars |   | Thousand dollars |                    | Thousand dollars |                    | Thousand dollars |                    | Thousand dollars |                    | Thousand dollars |
| California     | 1     | 23,309,526       | 2                      | 6,213,336        | 1     | 17,096,190       | Dairy products                          | 3,717,116        | Greenhouse/nursery | 2,223,707        | Grapes             | 2,154,422        | Cotton             | 1,190,503        | Cattle and calves  | 1,144,563        |
| Texas          | 2     | 13,053,234       | 1                      | 7,758,029        | 4     | 5,295,205        | Cattle and calves                       | 5,331,297        | Cotton             | 1,809,633        | Dairy products     | 920,798          | Greenhouse/nursery | 838,000          | Broilers           | 726,264          |
| Iowa           | 3     | 12,852,687       | 3                      | 5,456,780        | 2     | 7,395,907        | Corn                                    | 4,290,116        | Hogs               | 3,003,970        | Soybean            | 2,892,171        | Cattle and calves  | 1,461,149        | Dairy products     | 546,070          |
| Nebraska       | 4     | 9,454,041        | 4                      | 5,277,261        | 7     | 4,176,780        | Cattle and calves                       | 4,081,767        | Corn               | 2,490,992        | Hogs               | 856,139          | Soybean            | 827,656          | Wheat              | 338,420          |
| Illinois       | 5     | 9,049,998        | 16                     | 2,061,103        | 3     | 6,988,895        | Corn                                    | 3,545,576        | Soybean            | 2,783,554        | Hogs               | 1,038,640        | Cattle and calves  | 564,158          | Dairy products     | 345,300          |
| Minnesota      | 6     | 8,808,931        | 8                      | 4,168,423        | 6     | 4,640,508        | Corn                                    | 1,704,389        | Soybean            | 1,618,232        | Dairy products     | 1,362,180        | Hogs               | 1,115,777        | Cattle and calves  | 925,163          |
| Kansas         | 7     | 7,869,209        | 5                      | 4,570,327        | 11    | 3,298,882        | Cattle and calves                       | 3,994,745        | Wheat              | 1,183,561        | Corn               | 782,902          | Sorghum grain      | 678,297          | Soybean            | 455,183          |
| North Carolina | 8     | 7,831,309        | 6                      | 4,427,323        | 10    | 3,403,986        | Hogs                                    | 1,748,690        | Broilers           | 1,310,429        | Tobacco            | 1,021,487        | Greenhouse/nursery | 889,397          | Turkeys            | 612,255          |
| Florida        | 9     | 6,130,658        | 28                     | 1,188,193        | 5     | 4,942,465        | Oranges                                 | 1,290,577        | Greenhouse/nursery | 1,140,419        | Cane for sugar     | 461,741          | Dairy products     | 431,280          | Tomatoes           | 381,996          |
| Wisconsin      | 10    | 6,061,542        | 7                      | 4,288,078        | 22    | 1,773,464        | Dairy products                          | 3,261,815        | Corn               | 706,978          | Cattle and calves  | 543,626          | Soybean            | 234,473          | Hogs               | 190,001          |
| Arkansas       | 11    | 5,886,786        | 9                      | 3,356,623        | 14    | 2,530,163        | Broilers                                | 2,122,313        | Soybean            | 763,365          | Rice               | 644,295          | Cotton             | 624,783          | Chicken eggs       | 299,950          |
| Georgia        | 12    | 5,687,046        | 10                     | 3,279,260        | 16    | 2,407,786        | Broilers                                | 2,205,294        | Cotton             | 781,640          | Peanuts            | 388,552          | Chicken eggs       | 348,002          | Greenhouse/nursery | 273,000          |
| Washington     | 13    | 5,680,980        | 22                     | 1,664,390        | 8     | 4,016,590        | Apples                                  | 1,098,717        | Dairy products     | 788,075          | Wheat              | 774,530          | Cattle and calves  | 611,337          | Potatoes           | 470,293          |
| Indiana        | 14    | 5,558,099        | 20                     | 1,894,655        | 9     | 3,663,444        | Corn                                    | 1,784,351        | Soybean            | 1,453,360        | Hogs               | 829,748          | Chicken eggs       | 320,129          | Dairy products     | 312,522          |
| Ohio           | 15    | 5,121,783        | 18                     | 1,944,998        | 12    | 3,176,785        | Soybean                                 | 1,126,253        | Corn               | 947,039          | Dairy products     | 651,000          | Greenhouse/nursery | 517,030          | Hogs               | 397,788          |
| Missouri       | 16    | 4,950,421        | 13                     | 2,450,145        | 15    | 2,500,276        | Soybean                                 | 995,839          | Corn               | 670,412          | Hogs               | 651,631          | Cattle and calves  | 626,318          | Broilers           | 397,163          |
| Colorado       | 17    | 4,229,447        | 12                     | 2,759,135        | 25    | 1,470,312        | Cattle and calves                       | 2,071,753        | Wheat              | 391,421          | Corn               | 327,659          | Dairy products     | 245,769          | Hogs               | 174,293          |
| Pennsylvania   | 18    | 4,142,509        | 11                     | 2,864,577        | 28    | 1,277,932        | Dairy products                          | 1,662,423        | Cattle and calves  | 338,674          | Greenhouse/nursery | 318,004          | Chicken eggs       | 295,160          | Mushrooms          | 254,600          |
| South Dakota   | 19    | 3,683,512        | 23                     | 1,632,765        | 20    | 2,050,747        | Cattle and calves                       | 945,528          | Corn               | 635,461          | Soybean            | 560,509          | Wheat              | 520,264          | Hogs               | 324,917          |
| Michigan       | 20    | 3,642,927        | 25                     | 1,447,981        | 18    | 2,194,946        | Dairy products                          | 807,488          | Corn               | 477,441          | Greenhouse/nursery | 421,846          | Soybean            | 351,302          | Cattle and calves  | 232,109          |
| Oklahoma       | 21    | 3,565,551        | 14                     | 2,439,301        | 30    | 1,126,250        | Cattle and calves                       | 1,446,470        | Wheat              | 397,611          | Broilers           | 328,950          | Hogs               | 320,714          | Greenhouse/nursery | 263,106          |
| Kentucky       | 22    | 3,550,232        | 21                     | 1,718,885        | 21    | 1,831,347        | Tobacco                                 | 812,739          | Horses/mules       | 628,000          | Cattle and calves  | 484,705          | Corn               | 363,846          | Soybean            | 306,852          |
| North Dakota   | 23    | 3,532,393        | 38                     | 536,777          | 13    | 2,995,616        | Wheat                                   | 1,606,747        | Cattle and calves  | 305,457          | Barley             | 302,768          | Sunflower          | 207,936          | Sugar beets        | 164,728          |
| Mississippi    | 24    | 3,462,784        | 19                     | 1,934,279        | 24    | 1,528,505        | Broilers                                | 1,197,004        | Cotton             | 726,425          | Soybean            | 327,950          | Aquaculture        | 274,559          | Chicken eggs       | 153,569          |
| Idaho          | 25    | 3,409,945        | 26                     | 1,329,258        | 19    | 2,080,687        | Potatoes                                | 715,708          | Dairy products     | 652,605          | Cattle and calves  | 573,575          | Wheat              | 483,914          | Hay                | 198,405          |
| Alabama        | 26    | 3,173,595        | 15                     | 2,362,958        | 34    | 810,637          | Broilers                                | 1,634,802        | Cattle and calves  | 286,068          | Cotton             | 260,436          | Chicken eggs       | 225,358          | Greenhouse/nursery | 190,004          |
| New York       | 27    | 3,043,034        | 17                     | 2,044,547        | 31    | 998,487          | Dairy products                          | 1,693,251        | Greenhouse/nursery | 238,875          | Apples             | 138,222          | Corn               | 123,726          | Cattle and calves  | 102,096          |
| Oregon         | 28    | 2,976,542        | 35                     | 656,530          | 17    | 2,320,012        | Greenhouse/nursery                      | 441,503          | Wheat              | 294,182          | Cattle and calves  | 257,598          | Dairy products     | 236,999          | Hay                | 219,650          |
| Virginia       | 29    | 2,378,146        | 24                     | 1,477,983        | 32    | 900,163          | Broilers                                | 466,388          | Dairy products     | 289,980          | Cattle and calves  | 211,294          | Turkeys            | 204,250          | Tobacco            | 187,793          |
| Tennessee      | 30    | 2,371,873        | 29                     | 997,660          | 26    | 1,374,213        | Cattle and calves                       | 355,971          | Cotton             | 275,895          | Soybean            | 272,953          | Dairy products     | 253,590          | Broilers           | 232,155          |
| Louisiana      | 31    | 2,342,068        | 34                     | 687,210          | 23    | 1,654,858        | Cotton                                  | 520,245          | Cane for sugar     | 271,418          | Soybean            | 249,040          | Rice               | 246,324          | Corn               | 175,134          |
| Arizona        | 32    | 2,146,417        | 31                     | 838,827          | 27    | 1,307,590        | Cattle and calves                       | 384,228          | Dairy products     | 356,990          | Cotton             | 341,055          | Lettuce            | 305,683          | Cantaloups         | 84,677           |
| Montana        | 33    | 2,027,226        | 32                     | 796,927          | 29    | 1,230,299        | Wheat                                   | 860,646          | Cattle and calves  | 655,770          | Barley             | 152,889          | Hay                | 88,979           | Sugar beets        | 51,870           |
| New Mexico     | 34    | 1,709,056        | 27                     | 1,197,489        | 37    | 511,567          | Cattle and calves                       | 628,219          | Dairy products     | 523,279          | Hay                | 154,745          | Chili peppers      | 65,460           | Onions             | 44,744           |
| South Carolina | 35    | 1,602,056        | 33                     | 737,210          | 33    | 864,846          | Broilers                                | 306,657          | Tobacco            | 214,650          | Greenhouse/nursery | 167,578          | Cotton             | 157,690          | Turkeys            | 107,717          |
| Maryland       | 36    | 1,533,770        | 30                     | 900,503          | 35    | 633,267          | Broilers                                | 512,672          | Greenhouse/nursery | 230,409          | Dairy products     | 199,971          | Corn               | 106,043          | Soybean            | 93,654           |
| Utah           | 37    | 873,143          | 36                     | 646,139          | 41    | 227,004          | Cattle and calves                       | 244,193          | Dairy products     | 219,475          | Hay                | 78,119           | Wheat              | 38,060           | Greenhouse/nursery | 32,378           |
| New Jersey     | 38    | 800,958          | 44                     | 195,563          | 36    | 605,395          | Greenhouse/nursery                      | 257,032          | Dairy products     | 44,829           | Peaches            | 33,649           | Blueberries        | 33,010           | Chicken eggs       | 28,817           |
| Delaware       | 39    | 757,036          | 37                     | 573,456          | 44    | 183,580          | Broilers                                | 524,216          | Soybean            | 40,935           | Corn               | 35,176           | Greenhouse/nursery | 27,895           | Dairy products     | 21,114           |
| Wyoming        | 40    | 661,979          | 39                     | 477,641          | 43    | 184,338          | Cattle and calves                       | 394,748          | Hay                | 41,617           | Sugar beets        | 37,474           | Wheat              | 34,710           | Sheep and lambs    | 32,349           |
| Vermont        | 41    | 534,666          | 40                     | 437,057          | 46    | 97,609           | Dairy products                          | 392,688          | Cattle and calves  | 34,305           | Greenhouse/nursery | 31,000           | Maple products     | 14,575           | Christmas trees    | 12,460           |
| Connecticut    | 42    | 489,113          | 43                     | 236,700          | 40    | 252,413          | Greenhouse/nursery                      | 123,149          | Dairy products     | 78,970           | Aquaculture        | 61,881           | Chicken eggs       | 58,583           | Cattle and calves  | 11,295           |
| Maine          | 43    | 485,111          | 42                     | 261,537          | 42    | 223,574          | Potatoes                                | 103,476          | Dairy products     | 101,457          | Chicken eggs       | 86,940           | Aquaculture        | 48,278           | Blueberries        | 30,000           |
| Hawaii         | 44    | 482,589          | 48                     | 65,995           | 38    | 416,594          | Cane for sugar                          | 108,334          | Pineapples         | 87,282           | Greenhouse/nursery | 74,487           | Macadamia nuts     | 44,070           | Dairy products     | 29,234           |
| Massachusetts  | 45    | 477,698          | 46                     | 109,067          | 39    | 368,631          | Greenhouse/nursery                      | 146,673          | Cranberries        | 98,283           | Dairy products     | 69,992           | Apples             | 14,004           | Sweet corn         | 13,720           |
| West Virginia  | 46    | 388,170          | 41                     | 308,191          | 48    | 79,799           | Broilers                                | 148,013          | Cattle and calves  | 48,459           | Dairy products     | 37,848           | Turkeys            | 37,620           | Chicken eggs       | 22,610           |
| Nevada         | 47    | 286,002          | 45                     | 153,436          | 45    | 132,566          | Cattle and calves                       | 81,017           | Hay                | 66,915           | Dairy products     | 62,310           | Potatoes           | 20,471           | Onions             | 15,979           |
| New Hampshire  | 48    | 160,907          | 47                     | 72,302           | 47    | 88,605           | Dairy products                          | 49,764           | Greenhouse/nursery | 40,000           | Apples             | 8,507            | Cattle and calves  | 6,560            | Sweet corn         | 6,016            |
| Rhode Island   | 49    | 82,867           | 49                     | 11,294           | 49    | 71,573           | Greenhouse/nursery                      | 50,000           | Dairy products     | 4,805            | Chicken eggs       | 2,580            | Sweet corn         | 1,950            | Cattle and calves  | 1,598            |
| Alaska         | 50    | 29,418           | 50                     | 6,108            | 50    | 23,310           | Greenhouse/nursery                      | 17,992           | Dairy products     | 2,608            | Potatoes           | 1,698            | Hay                | 1,330            | Cattle and calves  | 798              |

<sup>1</sup>Rankings for States and commodities available on Internet at [www.econ.ag.gov/briefing/fbe/fi/fi.htm](http://www.econ.ag.gov/briefing/fbe/fi/fi.htm)  
Source: Economic Research Service, U.S. Department of Agriculture.



**Table 2-4—Value of production, net value added, and net farm income for States, 1995-96, ranked by 1996 value of production**

|                   |                | 1995   |                                    |                                    | 1996 |  |                                    |                                    |
|-------------------|----------------|--|------------------------------------|------------------------------------|------|--|------------------------------------|------------------------------------|
|                   |                | Final<br>agricultural<br>output <sup>2</sup> | Net<br>value<br>added <sup>3</sup> | Net<br>farm<br>income <sup>4</sup> |      | Final<br>agricultural<br>output <sup>2</sup> | Net<br>value<br>added <sup>3</sup> | Net<br>farm<br>income <sup>4</sup> |
| Rank <sup>1</sup> | State          |  |                                    |                                    |      |  |                                    |                                    |
| Thousand dollars  |                |  |                                    |                                    |      |  |                                    |                                    |
| 1                 | California     | 23,352,271                                   | 9,930,589                          | 4,624,608                          |      | 24,792,634                                   | 11,523,504                         | 5,666,964                          |
| 2                 | Texas          | 14,790,399                                   | 4,900,672                          | 2,524,270                          |      | 14,343,432                                   | 5,014,502                          | 2,575,192                          |
| 3                 | Iowa           | 11,433,350                                   | 4,693,575                          | 2,186,059                          |      | 13,968,612                                   | 6,790,736                          | 3,969,021                          |
| 4                 | Nebraska       | 9,266,456                                    | 3,359,386                          | 1,801,545                          |      | 10,860,155                                   | 4,865,490                          | 3,075,464                          |
| 5                 | Illinois       | 8,063,913                                    | 3,053,196                          | 840,557                            |      | 10,276,677                                   | 4,906,255                          | 2,255,271                          |
| 6                 | Minnesota      | 7,918,332                                    | 2,375,702                          | 1,057,992                          |      | 9,551,301                                    | 3,768,918                          | 2,242,924                          |
| 7                 | North Carolina | 8,018,002                                    | 4,121,551                          | 2,594,018                          |      | 9,205,089                                    | 4,825,086                          | 3,214,923                          |
| 8                 | Kansas         | 8,017,178                                    | 2,298,036                          | 1,052,199                          |      | 8,903,012                                    | 3,126,572                          | 1,728,327                          |
| 9                 | Washington     | 5,822,929                                    | 2,544,530                          | 928,242                            |      | 6,604,022                                    | 3,367,295                          | 1,599,341                          |
| 10                | Wisconsin      | 6,086,026                                    | 1,535,280                          | 290,579                            |      | 6,566,281                                    | 2,005,454                          | 562,142                            |
| 11                | Arkansas       | 5,475,021                                    | 2,213,712                          | 1,484,023                          |      | 6,522,022                                    | 2,893,423                          | 2,089,045                          |
| 12                | Georgia        | 5,830,977                                    | 2,580,404                          | 1,963,368                          |      | 6,466,893                                    | 2,900,216                          | 2,244,004                          |
| 13                | Florida        | 6,200,109                                    | 3,025,065                          | 1,813,059                          |      | 6,432,993                                    | 3,031,291                          | 1,764,697                          |
| 14                | Indiana        | 5,239,159                                    | 1,729,807                          | 561,302                            |      | 6,149,285                                    | 2,524,396                          | 1,256,935                          |
| 15                | Missouri       | 4,724,825                                    | 1,191,664                          | 309,319                            |      | 5,928,665                                    | 2,246,652                          | 1,201,525                          |
| 16                | Ohio           | 5,309,425                                    | 2,103,805                          | 1,109,443                          |      | 5,688,532                                    | 2,332,752                          | 1,346,777                          |
| 17                | Colorado       | 4,628,941                                    | 1,316,538                          | 635,349                            |      | 4,740,818                                    | 1,533,901                          | 843,535                            |
| 18                | Pennsylvania   | 4,183,119                                    | 1,124,563                          | 547,628                            |      | 4,624,795                                    | 1,547,534                          | 934,293                            |
| 19                | South Dakota   | 3,432,137                                    | 1,418,392                          | 654,502                            |      | 4,344,839                                    | 2,268,578                          | 1,331,949                          |
| 20                | Kentucky       | 3,743,439                                    | 1,613,238                          | 962,589                            |      | 4,225,767                                    | 1,991,662                          | 1,282,953                          |
| 21                | North Dakota   | 3,253,568                                    | 1,300,107                          | 339,362                            |      | 4,098,962                                    | 2,073,130                          | 964,047                            |
| 22                | Oklahoma       | 4,029,043                                    | 1,053,179                          | 487,894                            |      | 4,059,895                                    | 1,142,774                          | 549,997                            |
| 23                | Mississippi    | 3,431,489                                    | 1,064,702                          | 576,179                            |      | 3,984,698                                    | 1,488,466                          | 954,636                            |
| 24                | Alabama        | 3,473,144                                    | 1,257,170                          | 864,814                            |      | 3,838,373                                    | 1,476,174                          | 1,081,499                          |
| 25                | Michigan       | 4,004,178                                    | 1,349,231                          | 662,918                            |      | 3,816,115                                    | 1,150,166                          | 375,895                            |
| 26                | Oregon         | 3,477,519                                    | 1,441,210                          | 353,111                            |      | 3,800,853                                    | 1,775,280                          | 618,721                            |
| 27                | Idaho          | 3,454,903                                    | 1,376,758                          | 633,490                            |      | 3,738,986                                    | 1,580,853                          | 818,437                            |
| 28                | New York       | 3,111,578                                    | 842,670                            | 283,773                            |      | 3,311,896                                    | 1,054,965                          | 462,487                            |
| 29                | Virginia       | 2,590,256                                    | 930,423                            | 546,152                            |      | 2,769,370                                    | 976,077                            | 580,782                            |
| 30                | Tennessee      | 2,611,012                                    | 914,220                            | 443,307                            |      | 2,748,500                                    | 979,748                            | 487,110                            |
| 31                | Louisiana      | 2,224,814                                    | 975,417                            | 520,608                            |      | 2,556,630                                    | 1,203,325                          | 705,602                            |
| 32                | Arizona        | 2,286,039                                    | 1,046,825                          | 660,758                            |      | 2,311,390                                    | 1,106,340                          | 718,852                            |
| 33                | Montana        | 2,250,814                                    | 970,161                            | 413,165                            |      | 2,192,128                                    | 900,070                            | 334,898                            |
| 34                | New Mexico     | 1,658,289                                    | 682,166                            | 382,857                            |      | 1,849,157                                    | 668,656                            | 368,468                            |
| 35                | Maryland       | 1,607,003                                    | 435,605                            | 210,636                            |      | 1,816,869                                    | 612,137                            | 369,884                            |
| 36                | South Carolina | 1,578,594                                    | 593,120                            | 368,103                            |      | 1,790,144                                    | 717,722                            | 475,316                            |
| 37                | Utah           | 965,208                                      | 340,293                            | 178,975                            |      | 1,053,401                                    | 373,064                            | 213,678                            |
| 38                | New Jersey     | 902,527                                      | 410,498                            | 226,938                            |      | 935,675                                      | 451,450                            | 260,598                            |
| 39                | Wyoming        | 883,757                                      | 282,519                            | 90,311                             |      | 860,302                                      | 255,854                            | 66,754                             |
| 40                | Delaware       | 754,840                                      | 158,550                            | 93,177                             |      | 855,446                                      | 208,581                            | 138,075                            |
| 41                | Vermont        | 526,427                                      | 161,660                            | 92,333                             |      | 577,411                                      | 206,067                            | 132,808                            |
| 42                | Connecticut    | 515,132                                      | 252,869                            | 146,838                            |      | 553,571                                      | 298,309                            | 186,913                            |
| 43                | Maine          | 513,847                                      | 160,214                            | 52,634                             |      | 548,949                                      | 197,967                            | 86,846                             |
| 44                | Massachusetts  | 497,738                                      | 225,861                            | 117,191                            |      | 535,977                                      | 264,816                            | 150,569                            |
| 45                | Hawaii         | 530,288                                      | 226,343                            | 11,397                             |      | 519,867                                      | 213,721                            | (2,004)                            |
| 46                | West Virginia  | 482,690                                      | 104,744                            | 42,948                             |      | 474,314                                      | 76,254                             | 13,104                             |
| 47                | Nevada         | 338,006                                      | 108,752                            | 47,585                             |      | 359,701                                      | 117,039                            | 56,109                             |
| 48                | New Hampshire  | 172,610                                      | 67,831                             | 37,137                             |      | 181,936                                      | 75,715                             | 43,302                             |
| 49                | Rhode Island   | 89,074                                       | 53,985                             | 40,536                             |      | 92,332                                       | 51,123                             | 36,978                             |
| 50                | Alaska         | 34,599                                       | 17,296                             | 11,195                             |      | 34,979                                       | 16,403                             | 10,328                             |
|                   | United States  | 203,784,950                                  | 75,934,040                         | 36,876,928                         |      | 226,463,634                                  | 95,176,442                         | 52,445,950                         |

<sup>1</sup>Rankings for States and commodities available on Internet at [www.econ.ag.gov/briefing/fbe/fi/fi.htm](http://www.econ.ag.gov/briefing/fbe/fi/fi.htm)

<sup>2</sup>Total value of all commodities and services produced in the sector.

<sup>3</sup>Final sector output less intermediate consumption outlays, net government transactions, and capital consumption. It is the sum of the contributions of all factors of production, regardless of ownership.

<sup>4</sup>Net value added less payments to factors of production is the residual returns to operators.

Source: Economic Research Service, U.S. Department of Agriculture.

**Table 2-5—Ranking of States for net farm income, value of production per acre, and net farm income per acre, 1996**

| Rank <sup>1</sup> | State          | Net farm income         | State          | Value of production     | State          | Net farm income         |
|-------------------|----------------|-------------------------|----------------|-------------------------|----------------|-------------------------|
|                   |                | <i>Thousand dollars</i> |                | <i>Dollars per acre</i> |                | <i>Dollars per acre</i> |
| 1                 | California     | 5,662,985               | Delaware       | 1,514                   | Rhode Island   | 587                     |
| 2                 | Iowa           | 3,969,022               | Rhode Island   | 1,466                   | Connecticut    | 405                     |
| 3                 | North Carolina | 3,374,008               | Connecticut    | 1,369                   | North Carolina | 367                     |
| 4                 | Nebraska       | 3,075,464               | New Jersey     | 1,114                   | New Jersey     | 310                     |
| 5                 | Texas          | 2,573,495               | North Carolina | 1,018                   | Massachusetts  | 249                     |
| 6                 | Illinois       | 2,255,272               | Massachusetts  | 925                     | Delaware       | 244                     |
| 7                 | Minnesota      | 2,242,923               | Maryland       | 866                     | Georgia        | 189                     |
| 8                 | Georgia        | 2,233,736               | California     | 826                     | California     | 189                     |
| 9                 | Arkansas       | 2,101,176               | Florida        | 625                     | Maryland       | 177                     |
| 10                | Florida        | 1,769,062               | Pennsylvania   | 602                     | Florida        | 172                     |
| 11                | Kansas         | 1,728,549               | Georgia        | 547                     | Arkansas       | 140                     |
| 12                | Washington     | 1,599,341               | Arkansas       | 436                     | Pennsylvania   | 123                     |
| 13                | South Dakota   | 1,331,947               | New York       | 430                     | Iowa           | 120                     |
| 14                | Ohio           | 1,327,718               | Vermont        | 428                     | Alabama        | 110                     |
| 15                | Indiana        | 1,240,962               | New Hampshire  | 423                     | Washington     | 102                     |
| 16                | Missouri       | 1,194,572               | Iowa           | 421                     | New Hampshire  | 101                     |
| 17                | Alabama        | 1,074,115               | Washington     | 421                     | South Carolina | 99                      |
| 18                | Kentucky       | 1,045,863               | Maine          | 410                     | Vermont        | 98                      |
| 19                | North Dakota   | 964,049                 | Alabama        | 391                     | Ohio           | 88                      |
| 20                | Mississippi    | 963,672                 | Wisconsin      | 391                     | Louisiana      | 81                      |
| 21                | Pennsylvania   | 945,911                 | Indiana        | 386                     | Illinois       | 80                      |
| 22                | Colorado       | 843,535                 | Ohio           | 375                     | Indiana        | 78                      |
| 23                | Idaho          | 818,438                 | Illinois       | 366                     | Mississippi    | 76                      |
| 24                | Arizona        | 721,619                 | South Carolina | 362                     | Minnesota      | 75                      |
| 25                | Louisiana      | 700,944                 | Michigan       | 360                     | Kentucky       | 75                      |
| 26                | Oregon         | 618,721                 | Hawaii         | 327                     | Virginia       | 66                      |
| 27                | Virginia       | 567,940                 | Virginia       | 321                     | Nebraska       | 65                      |
| 28                | Wisconsin      | 560,396                 | Minnesota      | 321                     | Maine          | 65                      |
| 29                | Oklahoma       | 551,396                 | Mississippi    | 317                     | Idaho          | 61                      |
| 30                | South Carolina | 492,747                 | Louisiana      | 293                     | New York       | 60                      |
| 31                | New York       | 462,487                 | Kentucky       | 285                     | Missouri       | 40                      |
| 32                | Tennessee      | 386,142                 | Idaho          | 277                     | Kansas         | 36                      |
| 33                | Michigan       | 375,895                 | Nebraska       | 231                     | Michigan       | 35                      |
| 34                | Maryland       | 372,622                 | Tennessee      | 224                     | Oregon         | 35                      |
| 35                | New Mexico     | 363,356                 | Oregon         | 217                     | Wisconsin      | 33                      |
| 36                | Montana        | 334,898                 | Missouri       | 197                     | Tennessee      | 33                      |
| 37                | New Jersey     | 260,597                 | Kansas         | 186                     | South Dakota   | 30                      |
| 38                | Utah           | 213,677                 | Colorado       | 146                     | Colorado       | 26                      |
| 39                | Connecticut    | 153,730                 | West Virginia  | 127                     | North Dakota   | 24                      |
| 40                | Massachusetts  | 141,852                 | Oklahoma       | 119                     | Arizona        | 20                      |
| 41                | Delaware       | 138,075                 | Texas          | 111                     | Texas          | 20                      |
| 42                | Vermont        | 132,808                 | North Dakota   | 102                     | Utah           | 19                      |
| 43                | Maine          | 86,846                  | South Dakota   | 99                      | Oklahoma       | 16                      |
| 44                | Wyoming        | 66,755                  | Utah           | 96                      | Alaska         | 11                      |
| 45                | Nevada         | 56,109                  | Arizona        | 65                      | New Mexico     | 8                       |
| 46                | New Hampshire  | 43,302                  | New Mexico     | 42                      | Nevada         | 6                       |
| 47                | Rhode Island   | 36,979                  | Nevada         | 41                      | Montana        | 6                       |
| 48                | West Virginia  | 10,332                  | Alaska         | 38                      | West Virginia  | 3                       |
| 49                | Alaska         | 10,328                  | Montana        | 37                      | Wyoming        | 2                       |
| 50                | Hawaii         | -2,004                  | Wyoming        | 25                      | Hawaii         | -1                      |
|                   | United States  | 52,194,363              | United States  | 233                     | United States  | 54                      |

<sup>1</sup>Rankings for States and commodities available on Internet at [www.econ.ag.gov/briefing/fbe/fi/fi.htm](http://www.econ.ag.gov/briefing/fbe/fi/fi.htm)  
Source: Economic Research Service, U.S. Department of Agriculture.

## Farm Assets, Debt, and Equity Up in 1996

Ken Erickson

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Farm equity (in nominal dollars) has increased steadily since 1990 as asset values have risen faster than farm debt. U.S. farm sector equity (wealth) fell from a peak of \$799 billion in 1980 to \$546 billion in 1986, then rose sharply to \$879 billion in 1996. Growth in real estate assets has been the major component of expanding farm asset values. Texas, California, Illinois, Iowa, and Nebraska were the top five States ranked according to value of farm assets and farm equity in 1996.

### Farm Asset Values Continue To Grow

Farm business real estate assets for 1996 were 5.8 percent greater than in 1995, raising total farm assets 5 percent for the year. In fact, growth in real estate assets has been the major component of expanding asset values since 1992 (fig. 3-2). While real estate assets have grown 28 percent since 1991, nonreal estate assets have increased only 5 percent (table 3-2). Real estate values have grown at slightly increasing rates each year since the beginning of the 1990's.

### Farm Sector Debt Rose for Second Consecutive Year

Farm debt rose more than \$5 billion from 1995 to 1996, a 3.4-percent increase. Nonreal estate debt has grown more rapidly than real estate debt since 1991 (fig. 3-3). Nonreal estate debt rose nearly \$3 billion, a 3.8-percent increase over 1995. This increase in farm debt, the fourth consecutive annual increase, reflects both farm investors' positive view of the future of the farm sector—stable to growing returns on their investments—and the favorable interest rate environ-

ment. Farmers appear increasingly willing to purchase new machinery and equipment and invest in farmland.

### Farm Equity Rose 4.7 Percent

Farm equity rose from \$834.3 billion in 1995 to \$878.7 billion in 1996. Farm equity has increased since 1991, as asset values have risen faster than farm debt (fig. 3-4). When adjusted for inflation (1992 dollars), the value of farm wealth increased from \$775.4 billion in 1995 to \$801.1 billion in 1996 (fig. 3.1).

### Farm Equity Highest in Texas, California, Illinois, Iowa, and Nebraska

Collectively, Texas, California, Illinois, Iowa, and Nebraska held about one-third of the Nation's farm assets in 1996. Texas recorded the greatest asset value, \$85.8 billion, up 6.2 percent from 1995. Texas also ranked first in equity value at \$75.9 billion. California ranked second in farm assets with \$79.3 billion and second in equity with \$64.4 billion. California's farm sector also carried more total debt (\$14.9 billion) than any other State.

The most rapid rate of asset growth was Massachusetts (9.3 percent). The most rapid rate of growth of farm equity was Rhode Island (16.6 percent) (table 3-1). Massachusetts, Connecticut, Nebraska, Rhode Island, and Indiana are the top five States ranked in order of the percentage growth of asset values. Utah had the most rapid rate of increase in farm debt from 1995 to 1996 (up 36.1 percent), perhaps reflecting increased investment in hog operations.

Figure 3-1

**Farm business equity in current and real (1992) dollars, 1970-96**

*In real dollars, equity at 10-year plateau*

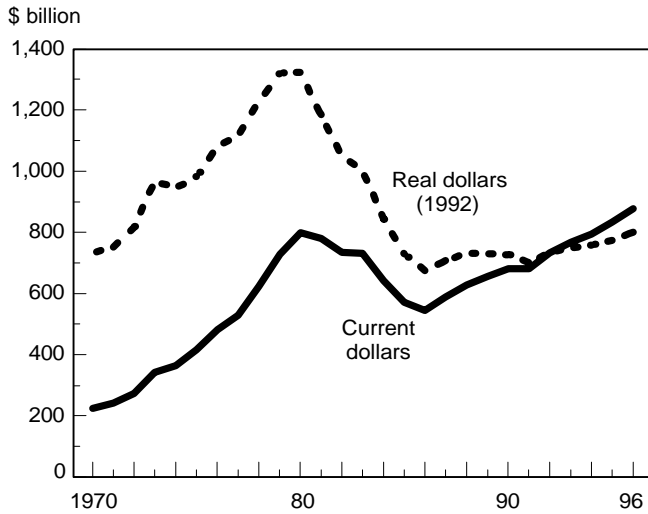


Figure 3-2

**Farm sector asset value, 1992-96**

*Farm assets growing, due mostly to increasing land values*

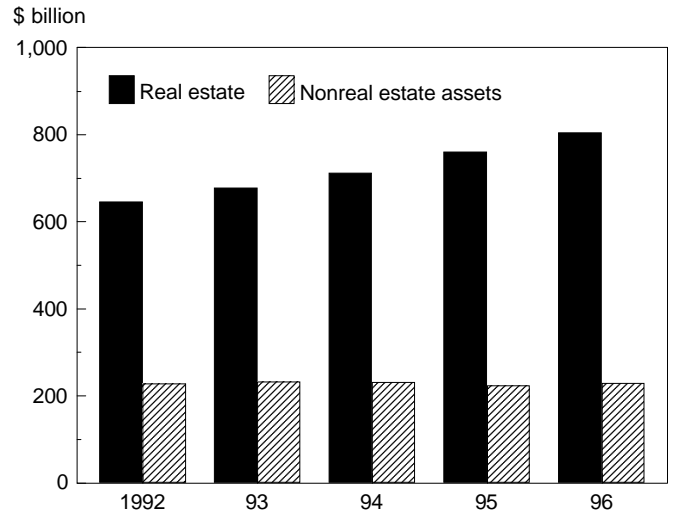


Figure 3-3

**Farm sector debt, 1992-96**

*Farm debt rising; nonreal estate debt rising faster than real estate debt*

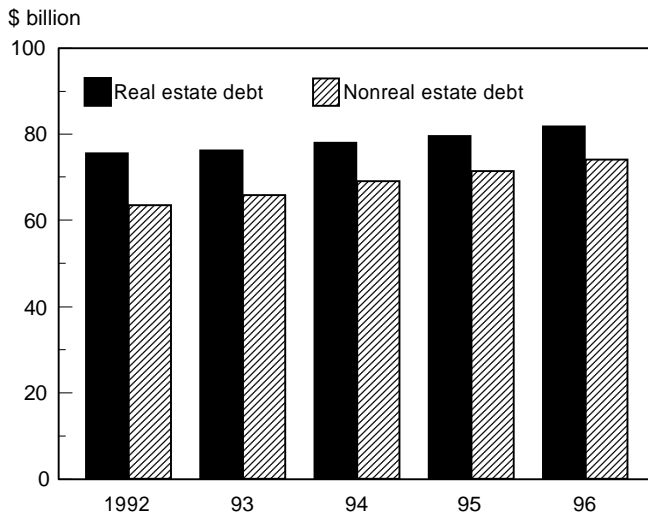
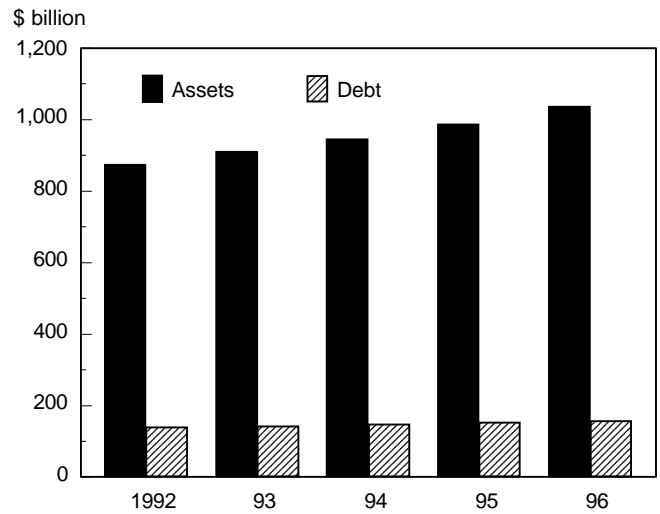


Figure 3-4

**Farm assets and debt, 1992-96**

*Farm assets growing faster than debt*



**Table 3-1—Farm business balance sheet components for 1996 by State, with percentage changes from 1995**

| State          | Total farm business assets | Percentage change from 1995 | Real estate assets      | Percentage change from 1995 | Nonreal estate assets   | Percentage change from 1995 | Total farm debt         | Percentage change from 1995 | Farm business equity    | Percentage change from 1995 |
|----------------|----------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|
|                | <i>Thousand dollars</i>    | <i>Percent</i>              | <i>Thousand dollars</i> | <i>Percent</i>              | <i>Thousand dollars</i> | <i>Percent</i>              | <i>Thousand dollars</i> | <i>Percent</i>              | <i>Thousand dollars</i> | <i>Percent</i>              |
| Alabama        | 14,614,594                 | 2.06                        | 11,636,513              | 4.19                        | 2,978,081               | -5.50                       | 1,605,264               | 3.02                        | 13,009,330              | 1.94                        |
| Alaska         | 612,015                    | 5.98                        | 268,297                 | 5.13                        | 343,718                 | 6.66                        | 12,670                  | 7.18                        | 599,345                 | 5.96                        |
| Arizona        | 15,282,719                 | 4.97                        | 14,080,434              | 5.26                        | 1,202,285               | 1.65                        | 1,056,902               | -12.58                      | 14,225,817              | 6.56                        |
| Arkansas       | 18,325,994                 | 4.25                        | 13,351,003              | 0.76                        | 4,974,991               | 14.92                       | 3,687,302               | 1.99                        | 14,638,692              | 4.83                        |
| California     | 79,314,754                 | 4.27                        | 68,077,459              | 4.41                        | 11,237,295              | 3.46                        | 14,916,997              | 4.14                        | 64,397,757              | 4.31                        |
| Colorado       | 21,668,915                 | 5.39                        | 17,028,063              | 5.73                        | 4,640,852               | 4.15                        | 3,504,812               | 6.67                        | 18,164,103              | 5.15                        |
| Connecticut    | 2,651,054                  | 8.99                        | 2,362,896               | 10.13                       | 288,158                 | 0.44                        | 210,876                 | 5.66                        | 2,440,178               | 9.29                        |
| Delaware       | 1,859,365                  | 6.70                        | 1,564,153               | 9.05                        | 295,212                 | -4.24                       | 307,239                 | -2.12                       | 1,552,126               | 8.63                        |
| Florida        | 25,990,695                 | -0.23                       | 22,137,946              | -0.26                       | 3,852,749               | -0.07                       | 3,895,128               | -1.35                       | 22,095,567              | -0.03                       |
| Georgia        | 18,469,951                 | 2.79                        | 14,123,381              | 5.30                        | 4,346,570               | -4.60                       | 3,316,349               | 5.20                        | 15,153,602              | 2.28                        |
| Hawaii         | 4,715,824                  | 4.24                        | 4,341,448               | 5.00                        | 374,376                 | -3.78                       | 207,109                 | 2.16                        | 4,508,715               | 4.34                        |
| Idaho          | 14,939,737                 | 3.86                        | 11,381,286              | 6.08                        | 3,558,451               | -2.64                       | 2,558,890               | -1.68                       | 12,380,847              | 5.09                        |
| Illinois       | 68,477,866                 | 5.95                        | 57,088,415              | 6.69                        | 11,389,451              | 2.40                        | 8,664,632               | 7.17                        | 59,813,234              | 5.78                        |
| Indiana        | 34,447,386                 | 7.81                        | 27,117,701              | 9.38                        | 7,329,685               | 2.35                        | 4,938,764               | 3.84                        | 29,508,622              | 8.50                        |
| Iowa           | 63,828,315                 | 7.52                        | 48,013,338              | 8.88                        | 15,814,977              | 3.59                        | 11,641,687              | 6.38                        | 52,186,628              | 7.77                        |
| Kansas         | 33,910,885                 | 5.58                        | 24,814,485              | 3.98                        | 9,096,400               | 10.23                       | 6,039,266               | 0.28                        | 27,871,619              | 6.81                        |
| Kentucky       | 21,916,217                 | 3.08                        | 16,965,754              | 4.55                        | 4,950,463               | -1.66                       | 3,082,203               | 7.35                        | 18,834,014              | 2.41                        |
| Louisiana      | 8,360,995                  | -10.22                      | 9,235,350               | 2.19                        | -874,355                | -417.93                     | 1,461,227               | -9.31                       | 6,899,768               | -10.41                      |
| Maine          | 2,074,681                  | -0.35                       | 1,479,943               | 0.70                        | 594,738                 | -2.86                       | 349,672                 | 3.58                        | 1,725,009               | -1.11                       |
| Maryland       | 8,406,560                  | 3.36                        | 7,107,707               | 4.55                        | 1,298,853               | -2.69                       | 981,904                 | 1.56                        | 7,424,656               | 3.60                        |
| Massachusetts  | 3,453,625                  | 9.28                        | 2,971,999               | 10.77                       | 481,626                 | 0.89                        | 258,350                 | 8.17                        | 3,195,275               | 9.37                        |
| Michigan       | 19,149,247                 | 5.68                        | 13,856,510              | 7.82                        | 5,292,737               | 0.47                        | 2,850,727               | 4.72                        | 16,298,520              | 5.85                        |
| Minnesota      | 39,731,119                 | 4.49                        | 26,901,563              | 6.56                        | 12,829,556              | 0.39                        | 8,104,174               | 5.15                        | 31,626,945              | 4.32                        |
| Mississippi    | 13,654,155                 | 4.24                        | 9,912,042               | 2.78                        | 3,742,113               | 8.31                        | 2,389,478               | -4.52                       | 11,264,677              | 6.31                        |
| Missouri       | 34,597,853                 | 5.05                        | 25,572,781              | 6.18                        | 9,025,072               | 1.97                        | 5,565,936               | 6.76                        | 29,031,917              | 4.73                        |
| Montana        | 21,055,972                 | 5.39                        | 16,543,081              | 5.36                        | 4,512,891               | 5.53                        | 2,610,255               | 1.66                        | 18,445,717              | 5.95                        |
| Nebraska       | 40,718,695                 | 8.43                        | 29,700,773              | 7.59                        | 11,017,922              | 10.75                       | 8,111,378               | 5.33                        | 32,607,317              | 9.23                        |
| Nevada         | 3,181,241                  | 5.61                        | 2,613,855               | 5.42                        | 567,386                 | 6.51                        | 229,648                 | -2.80                       | 2,951,593               | 6.33                        |
| New Hampshire  | 1,059,276                  | 0.77                        | 923,066                 | 0.85                        | 136,210                 | 0.25                        | 80,224                  | 7.27                        | 979,052                 | 0.28                        |
| New Jersey     | 6,680,566                  | 0.23                        | 6,026,919               | 0.24                        | 653,647                 | 0.22                        | 531,556                 | 27.28                       | 6,149,010               | -1.57                       |
| New Mexico     | 13,210,747                 | 6.62                        | 11,387,062              | 8.03                        | 1,823,685               | -1.41                       | 1,271,649               | 7.63                        | 11,939,098              | 6.51                        |
| New York       | 13,167,075                 | 3.59                        | 9,034,089               | 4.28                        | 4,132,986               | 2.13                        | 2,111,962               | -3.01                       | 11,055,113              | 4.96                        |
| North Carolina | 20,788,910                 | 2.94                        | 15,650,238              | 1.80                        | 5,138,672               | 6.60                        | 3,468,200               | 5.73                        | 17,320,710              | 2.40                        |
| North Dakota   | 22,307,756                 | 4.59                        | 15,407,786              | 6.78                        | 6,899,970               | -0.01                       | 3,880,898               | 4.31                        | 18,426,858              | 4.65                        |
| Ohio           | 34,036,724                 | 5.90                        | 26,909,096              | 6.08                        | 7,127,628               | 5.19                        | 3,775,302               | 9.66                        | 30,261,422              | 5.44                        |
| Oklahoma       | 22,670,447                 | 4.89                        | 16,485,853              | 4.20                        | 6,184,594               | 6.77                        | 3,992,693               | 3.66                        | 18,677,754              | 5.16                        |
| Oregon         | 18,182,458                 | 6.23                        | 14,527,289              | 7.76                        | 3,655,169               | 0.54                        | 2,184,210               | -0.25                       | 15,998,248              | 7.18                        |
| Pennsylvania   | 22,078,631                 | 4.44                        | 16,962,094              | 4.99                        | 5,116,537               | 2.64                        | 2,530,714               | 1.39                        | 19,547,917              | 4.84                        |
| Rhode Island   | 460,153                    | 8.19                        | 414,739                 | 9.66                        | 45,414                  | -3.63                       | 35,411                  | -42.06                      | 424,742                 | 16.62                       |
| South Carolina | 7,684,559                  | 1.79                        | 5,865,255               | 2.71                        | 1,819,304               | -1.08                       | 862,002                 | 2.11                        | 6,822,557               | 1.75                        |
| South Dakota   | 20,041,811                 | 4.30                        | 13,036,437              | 1.88                        | 7,005,374               | 9.12                        | 3,799,784               | 2.30                        | 16,242,027              | 4.78                        |
| Tennessee      | 20,638,390                 | 5.48                        | 15,946,006              | 8.13                        | 4,692,384               | -2.63                       | 2,152,146               | 3.59                        | 18,486,244              | 5.70                        |
| Texas          | 85,848,897                 | 6.21                        | 68,661,940              | 7.68                        | 17,186,957              | 0.74                        | 9,960,056               | -1.96                       | 75,888,841              | 7.39                        |
| Utah           | 8,522,064                  | 6.76                        | 7,145,018               | 7.60                        | 1,377,046               | 2.59                        | 938,550                 | 36.12                       | 7,583,514               | 3.98                        |
| Vermont        | 2,507,159                  | 0.74                        | 1,816,755               | 1.04                        | 690,404                 | -0.04                       | 367,261                 | 5.54                        | 2,139,898               | -0.04                       |
| Virginia       | 18,532,949                 | 5.01                        | 14,804,210              | 4.23                        | 3,728,739               | 8.23                        | 1,817,206               | -1.32                       | 16,715,743              | 5.75                        |
| Washington     | 20,876,446                 | 7.55                        | 16,948,354              | 10.12                       | 3,928,092               | -2.29                       | 3,125,860               | 2.24                        | 17,750,586              | 8.54                        |
| West Virginia  | 3,792,110                  | 2.97                        | 3,018,862               | 3.63                        | 773,248                 | 0.47                        | 392,425                 | 0.26                        | 3,399,685               | 3.29                        |
| Wisconsin      | 27,698,983                 | 4.20                        | 17,357,688              | 6.38                        | 10,341,295              | 0.73                        | 5,363,215               | 3.15                        | 22,335,768              | 4.45                        |
| Wyoming        | 8,669,474                  | 6.71                        | 6,819,177               | 6.80                        | 1,850,297               | 6.38                        | 954,707                 | 3.92                        | 7,714,767               | 7.06                        |
| United States  | 1,034,870,969              | 5.02                        | 805,396,109             | 5.79                        | 229,474,860             | 2.42                        | 156,154,870             | 3.39                        | 878,716,099             | 5.32                        |

Source: Economic Research Service, U.S. Department of Agriculture.

**Table 3-2—Farm business balance sheet components for 1996 by State, with percentage changes from 1991**

| State          | Total farm business assets | Percentage change from 1991 | Real estate assets      | Percentage change from 1991 | Nonreal estate assets   | Percentage change from 1991 | Total farm debt         | Percentage change from 1991 | Farm business equity    | Percentage change from 1991 |
|----------------|----------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|
|                | <i>Thousand dollars</i>    | <i>Percent</i>              | <i>Thousand dollars</i> | <i>Percent</i>              | <i>Thousand dollars</i> | <i>Percent</i>              | <i>Thousand dollars</i> | <i>Percent</i>              | <i>Thousand dollars</i> | <i>Percent</i>              |
| Alabama        | 14,614,594                 | 36.38                       | 11,636,513              | 50.43                       | 2,978,081               | -0.08                       | 1,605,264               | 14.11                       | 13,009,330              | 39.75                       |
| Alaska         | 612,015                    | 18.44                       | 268,297                 | 13.27                       | 343,718                 | 22.81                       | 12,670                  | -45.30                      | 599,345                 | 21.43                       |
| Arizona        | 15,282,719                 | 28.22                       | 14,080,434              | 31.31                       | 1,202,285               | 0.57                        | 1,056,902               | -17.93                      | 14,225,817              | 33.82                       |
| Arkansas       | 18,325,994                 | 18.12                       | 13,351,003              | 16.11                       | 4,974,991               | 23.89                       | 3,687,302               | 18.49                       | 14,638,692              | 18.03                       |
| California     | 79,314,754                 | 13.91                       | 68,077,459              | 14.96                       | 11,237,295              | 7.96                        | 14,916,997              | 13.80                       | 64,397,757              | 13.94                       |
| Colorado       | 21,668,915                 | 33.31                       | 17,028,063              | 43.38                       | 4,640,852               | 5.98                        | 3,504,812               | 23.56                       | 18,164,103              | 35.37                       |
| Connecticut    | 2,651,054                  | 27.07                       | 2,362,896               | 32.67                       | 288,158                 | -5.64                       | 210,876                 | 5.19                        | 2,440,178               | 29.39                       |
| Delaware       | 1,859,365                  | 41.47                       | 1,564,153               | 53.88                       | 295,212                 | -0.90                       | 307,239                 | 1.84                        | 1,552,126               | 53.27                       |
| Florida        | 25,990,695                 | 7.71                        | 22,137,946              | 9.58                        | 3,852,749               | -1.90                       | 3,895,128               | 9.62                        | 22,095,567              | 7.38                        |
| Georgia        | 18,469,951                 | 24.14                       | 14,123,381              | 32.23                       | 4,346,570               | 3.55                        | 3,316,349               | 20.02                       | 15,153,602              | 25.08                       |
| Hawaii         | 4,715,824                  | 12.61                       | 4,341,448               | 16.48                       | 374,376                 | -18.69                      | 207,109                 | -28.19                      | 4,508,715               | 15.63                       |
| Idaho          | 14,939,737                 | 28.80                       | 11,381,286              | 38.15                       | 3,558,451               | 5.89                        | 2,558,890               | 3.68                        | 12,380,847              | 35.59                       |
| Illinois       | 68,477,866                 | 34.27                       | 57,088,415              | 40.14                       | 11,389,451              | 10.97                       | 8,664,632               | 18.58                       | 59,813,234              | 36.90                       |
| Indiana        | 34,447,386                 | 35.75                       | 27,117,701              | 44.45                       | 7,329,685               | 11.01                       | 4,938,764               | 7.89                        | 29,508,622              | 41.88                       |
| Iowa           | 63,828,315                 | 25.85                       | 48,013,338              | 33.51                       | 15,814,977              | 7.18                        | 11,641,687              | 17.98                       | 52,186,628              | 27.75                       |
| Kansas         | 33,910,885                 | 18.15                       | 24,814,485              | 22.67                       | 9,096,400               | 7.36                        | 6,039,266               | 9.54                        | 27,871,619              | 20.20                       |
| Kentucky       | 21,916,217                 | 28.20                       | 16,965,754              | 43.85                       | 4,950,463               | -6.62                       | 3,082,203               | 12.19                       | 18,834,014              | 31.26                       |
| Louisiana      | 8,360,995                  | -1.15                       | 9,235,350               | 27.05                       | -874,355                | -173.56                     | 1,461,227               | -14.55                      | 6,899,768               | 2.25                        |
| Maine          | 2,074,681                  | 14.31                       | 1,479,943               | 18.84                       | 594,738                 | 4.42                        | 349,672                 | 26.07                       | 1,725,009               | 12.19                       |
| Maryland       | 8,406,560                  | 36.78                       | 7,107,707               | 47.84                       | 1,298,853               | -2.94                       | 981,904                 | 3.74                        | 7,424,656               | 42.80                       |
| Massachusetts  | 3,453,625                  | 17.58                       | 2,971,999               | 19.77                       | 481,626                 | 5.68                        | 258,350                 | -12.43                      | 3,195,275               | 20.93                       |
| Michigan       | 19,149,247                 | 26.68                       | 13,856,510              | 36.67                       | 5,292,737               | 6.32                        | 2,850,727               | 10.53                       | 16,298,520              | 30.00                       |
| Minnesota      | 39,731,119                 | 13.14                       | 26,901,563              | 15.12                       | 12,829,556              | 9.22                        | 8,104,174               | 22.28                       | 31,626,945              | 11.02                       |
| Mississippi    | 13,654,155                 | 18.37                       | 9,912,042               | 19.15                       | 3,742,113               | 16.34                       | 2,389,478               | -3.24                       | 11,264,677              | 24.26                       |
| Missouri       | 34,597,853                 | 24.02                       | 25,572,781              | 31.89                       | 9,025,072               | 6.09                        | 5,565,936               | 21.10                       | 29,031,917              | 24.60                       |
| Montana        | 21,055,972                 | 27.20                       | 16,543,081              | 36.23                       | 4,512,891               | 2.35                        | 2,610,255               | 5.49                        | 18,445,717              | 31.02                       |
| Nebraska       | 40,718,695                 | 24.29                       | 29,700,773              | 29.44                       | 11,017,922              | 12.26                       | 8,111,378               | 22.81                       | 32,607,317              | 24.67                       |
| Nevada         | 3,181,241                  | 20.90                       | 2,613,855               | 27.61                       | 567,386                 | -2.67                       | 229,648                 | -4.24                       | 2,951,593               | 23.42                       |
| New Hampshire  | 1,059,276                  | 10.26                       | 923,066                 | 13.15                       | 136,210                 | -6.01                       | 80,224                  | 18.68                       | 979,052                 | 9.62                        |
| New Jersey     | 6,680,566                  | 13.47                       | 6,026,919               | 14.41                       | 653,647                 | 5.47                        | 531,556                 | 22.02                       | 6,149,010               | 12.79                       |
| New Mexico     | 13,210,747                 | 24.00                       | 11,387,062              | 28.33                       | 1,823,685               | 2.43                        | 1,271,649               | 19.44                       | 11,939,098              | 24.51                       |
| New York       | 13,167,075                 | 7.03                        | 9,034,089               | 12.05                       | 4,132,986               | -2.52                       | 2,111,962               | 4.82                        | 11,055,113              | 7.46                        |
| North Carolina | 20,788,910                 | 31.12                       | 15,650,238              | 33.09                       | 5,138,672               | 25.47                       | 3,468,200               | 27.96                       | 17,320,710              | 31.78                       |
| North Dakota   | 22,307,756                 | 20.66                       | 15,407,786              | 26.80                       | 6,899,970               | 8.90                        | 3,880,898               | 16.44                       | 18,426,858              | 21.59                       |
| Ohio           | 34,036,724                 | 34.02                       | 26,909,096              | 44.97                       | 7,127,628               | 4.29                        | 3,775,302               | 18.76                       | 30,261,422              | 36.20                       |
| Oklahoma       | 22,670,447                 | 10.08                       | 16,485,853              | 14.88                       | 6,184,594               | -0.95                       | 3,992,693               | 7.97                        | 18,677,754              | 10.55                       |
| Oregon         | 18,182,458                 | 46.98                       | 14,527,289              | 60.81                       | 3,655,169               | 9.55                        | 2,184,210               | -12.55                      | 15,998,248              | 62.04                       |
| Pennsylvania   | 22,078,631                 | 14.01                       | 16,962,094              | 19.24                       | 5,116,537               | -0.47                       | 2,530,714               | 6.54                        | 19,547,917              | 15.05                       |
| Rhode Island   | 460,153                    | 36.27                       | 414,739                 | 40.44                       | 45,414                  | 7.17                        | 35,411                  | -0.47                       | 424,742                 | 40.60                       |
| South Carolina | 7,684,559                  | 9.79                        | 5,865,255               | 13.81                       | 1,819,304               | -1.42                       | 862,002                 | -5.15                       | 6,822,557               | 12.02                       |
| South Dakota   | 20,041,811                 | 11.33                       | 13,036,437              | 11.14                       | 7,005,374               | 11.68                       | 3,799,784               | 11.14                       | 16,242,027              | 11.37                       |
| Tennessee      | 20,638,390                 | 26.42                       | 15,946,006              | 36.10                       | 4,692,384               | 1.81                        | 2,152,146               | 7.81                        | 18,486,244              | 29.01                       |
| Texas          | 85,848,897                 | 14.10                       | 68,661,940              | 19.56                       | 17,186,957              | -3.50                       | 9,960,056               | 2.81                        | 75,888,841              | 15.77                       |
| Utah           | 8,522,064                  | 51.93                       | 7,145,018               | 60.30                       | 1,377,046               | 19.56                       | 938,550                 | 41.84                       | 7,583,514               | 53.28                       |
| Vermont        | 2,507,159                  | 10.64                       | 1,816,755               | 13.37                       | 690,404                 | 4.06                        | 367,261                 | 6.49                        | 2,139,898               | 11.39                       |
| Virginia       | 18,532,949                 | 18.04                       | 14,804,210              | 20.42                       | 3,728,739               | 9.45                        | 1,817,206               | -5.86                       | 16,715,743              | 21.39                       |
| Washington     | 20,876,446                 | 25.42                       | 16,948,354              | 33.96                       | 3,928,092               | -1.62                       | 3,125,860               | 8.82                        | 17,750,586              | 28.89                       |
| West Virginia  | 3,792,110                  | 11.79                       | 3,018,862               | 18.20                       | 773,248                 | -7.74                       | 392,425                 | -1.27                       | 3,399,685               | 13.52                       |
| Wisconsin      | 27,698,983                 | 20.74                       | 17,357,688              | 36.44                       | 10,341,295              | 1.19                        | 5,363,215               | 13.30                       | 22,335,768              | 22.67                       |
| Wyoming        | 8,669,474                  | 37.27                       | 6,819,177               | 47.68                       | 1,850,297               | 8.96                        | 954,707                 | 10.51                       | 7,714,767               | 41.51                       |
| United States  | 1,034,870,969              | 22.00                       | 805,396,109             | 28.06                       | 229,474,860             | 4.62                        | 156,154,870             | 12.01                       | 878,716,099             | 23.96                       |

Source: Economic Research Service, U.S. Department of Agriculture.

**Table 3-3—Farm business balance sheet components for 1996 by State, with percentage changes from 1986**

| State          | Total farm business assets | Percentage change from 1986 | Real estate assets      | Percentage change from 1986 | Nonreal estate assets   | Percentage change from 1986 | Total farm debt         | Percentage change from 1986 | Farm business equity    | Percentage change from 1986 |
|----------------|----------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|
|                | <i>Thousand dollars</i>    | <i>Percent</i>              | <i>Thousand dollars</i> | <i>Percent</i>              | <i>Thousand dollars</i> | <i>Percent</i>              | <i>Thousand dollars</i> | <i>Percent</i>              | <i>Thousand dollars</i> | <i>Percent</i>              |
| Alabama        | 14,614,594                 | 52.19                       | 11,636,513              | 61.91                       | 2,978,081               | 23.27                       | 1,605,264               | -9.49                       | 13,009,330              | 66.17                       |
| Alaska         | 612,015                    | 14.00                       | 268,297                 | -18.33                      | 343,718                 | 64.98                       | 12,670                  | -63.12                      | 599,345                 | 19.27                       |
| Arizona        | 15,282,719                 | 29.82                       | 14,080,434              | 32.75                       | 1,202,285               | 3.16                        | 1,056,902               | -38.45                      | 14,225,817              | 41.48                       |
| Arkansas       | 18,325,994                 | 35.95                       | 13,351,003              | 29.05                       | 4,974,991               | 58.72                       | 3,687,302               | 14.63                       | 14,638,692              | 42.64                       |
| California     | 79,314,754                 | 43.81                       | 68,077,459              | 48.15                       | 11,237,295              | 22.12                       | 14,916,997              | 9.56                        | 64,397,757              | 55.03                       |
| Colorado       | 21,668,915                 | 47.10                       | 17,028,063              | 49.08                       | 4,640,852               | 40.28                       | 3,504,812               | 5.70                        | 18,164,103              | 59.13                       |
| Connecticut    | 3,451,054                  | 59.40                       | 2,362,896               | 72.58                       | 288,158                 | -1.95                       | 210,876                 | 7.29                        | 2,440,178               | 66.39                       |
| Delaware       | 1,859,365                  | 51.55                       | 1,564,153               | 63.33                       | 295,212                 | 9.63                        | 307,239                 | 18.13                       | 1,552,126               | 60.53                       |
| Florida        | 25,990,695                 | 23.98                       | 22,137,946              | 23.36                       | 3,852,749               | 27.66                       | 3,895,128               | 4.93                        | 22,095,567              | 28.08                       |
| Georgia        | 18,469,951                 | 35.84                       | 14,123,381              | 38.86                       | 4,346,570               | 26.89                       | 3,316,349               | -0.69                       | 15,153,602              | 47.73                       |
| Hawaii         | 4,715,824                  | 44.99                       | 4,341,448               | 52.97                       | 374,376                 | -9.69                       | 207,109                 | -41.64                      | 4,508,715               | 55.60                       |
| Idaho          | 14,939,737                 | 53.63                       | 11,381,286              | 62.07                       | 3,558,451               | 31.71                       | 2,558,890               | -6.90                       | 12,380,847              | 77.48                       |
| Illinois       | 68,477,866                 | 70.11                       | 57,088,415              | 84.28                       | 11,389,451              | 22.79                       | 8,664,632               | 4.98                        | 59,813,234              | 86.91                       |
| Indiana        | 34,447,386                 | 60.20                       | 27,117,701              | 75.13                       | 7,329,685               | 21.78                       | 4,938,764               | -7.98                       | 29,508,622              | 82.88                       |
| Iowa           | 63,828,315                 | 78.36                       | 48,013,338              | 94.55                       | 15,814,977              | 42.38                       | 11,641,687              | 6.06                        | 52,186,628              | 110.35                      |
| Kansas         | 33,910,885                 | 44.30                       | 24,814,485              | 50.89                       | 9,096,400               | 28.93                       | 6,039,266               | 4.65                        | 27,871,619              | 57.20                       |
| Kentucky       | 21,916,217                 | 45.20                       | 16,965,754              | 58.35                       | 4,950,463               | 13.03                       | 3,082,203               | 0.35                        | 18,834,014              | 56.66                       |
| Louisiana      | 8,360,995                  | -19.10                      | 9,235,350               | 15.11                       | -874,355                | -137.83                     | 1,461,227               | -39.16                      | 6,899,768               | -13.02                      |
| Maine          | 2,074,681                  | 34.17                       | 1,479,943               | 42.98                       | 594,738                 | 16.34                       | 349,672                 | 2.52                        | 1,725,009               | 43.13                       |
| Maryland       | 8,406,560                  | 50.18                       | 7,107,707               | 64.70                       | 1,298,853               | 1.31                        | 981,904                 | 5.29                        | 7,424,656               | 59.15                       |
| Massachusetts  | 3,453,625                  | 63.34                       | 2,971,999               | 73.43                       | 481,626                 | 20.18                       | 258,350                 | 13.74                       | 3,195,275               | 69.31                       |
| Michigan       | 19,149,247                 | 47.84                       | 13,856,510              | 60.39                       | 5,292,737               | 22.71                       | 2,850,727               | -17.96                      | 16,298,520              | 71.96                       |
| Minnesota      | 39,731,119                 | 56.21                       | 26,901,563              | 71.57                       | 12,829,556              | 31.53                       | 8,104,174               | 3.85                        | 31,626,945              | 79.39                       |
| Mississippi    | 13,654,155                 | 22.95                       | 9,912,042               | 20.10                       | 3,742,113               | 31.21                       | 2,389,478               | -25.74                      | 11,264,677              | 42.81                       |
| Missouri       | 34,597,853                 | 49.13                       | 25,572,781              | 58.44                       | 9,025,072               | 27.84                       | 5,565,936               | 7.61                        | 29,031,917              | 61.04                       |
| Montana        | 21,055,972                 | 46.04                       | 16,543,081              | 46.91                       | 4,512,891               | 42.95                       | 2,610,255               | -18.19                      | 18,445,717              | 64.29                       |
| Nebraska       | 40,718,695                 | 59.39                       | 29,700,773              | 66.90                       | 11,017,922              | 42.13                       | 8,111,378               | 21.11                       | 32,607,317              | 72.99                       |
| Nevada         | 3,181,241                  | 28.13                       | 2,613,855               | 30.32                       | 567,386                 | 18.90                       | 229,648                 | -38.36                      | 2,951,593               | 39.87                       |
| New Hampshire  | 1,059,276                  | 14.31                       | 923,066                 | 24.14                       | 136,210                 | -25.62                      | 80,224                  | 14.78                       | 979,052                 | 14.27                       |
| New Jersey     | 6,680,566                  | 86.91                       | 6,026,919               | 100.15                      | 653,647                 | 16.09                       | 531,556                 | 36.73                       | 6,149,010               | 93.03                       |
| New Mexico     | 13,210,747                 | 68.40                       | 11,387,062              | 73.81                       | 1,823,685               | 40.99                       | 1,271,649               | 12.01                       | 11,939,098              | 77.94                       |
| New York       | 13,167,075                 | 17.43                       | 9,034,089               | 24.72                       | 4,132,986               | 4.14                        | 2,111,962               | -14.03                      | 11,055,113              | 26.26                       |
| North Carolina | 20,788,910                 | 36.85                       | 15,650,238              | 36.34                       | 5,138,672               | 38.44                       | 3,468,200               | 17.40                       | 17,320,710              | 41.55                       |
| North Dakota   | 22,307,756                 | 34.05                       | 15,407,786              | 32.37                       | 6,899,970               | 37.98                       | 3,880,898               | -0.45                       | 18,426,858              | 44.61                       |
| Ohio           | 34,036,724                 | 62.15                       | 26,909,096              | 79.62                       | 7,127,628               | 18.62                       | 3,775,302               | 3.24                        | 30,261,422              | 74.59                       |
| Oklahoma       | 22,670,447                 | 21.86                       | 16,485,853              | 19.82                       | 6,184,594               | 27.62                       | 3,992,693               | -6.49                       | 18,677,754              | 30.30                       |
| Oregon         | 18,182,458                 | 67.34                       | 14,527,289              | 77.45                       | 3,655,169               | 36.44                       | 2,184,210               | -19.53                      | 15,998,248              | 96.27                       |
| Pennsylvania   | 22,078,631                 | 40.30                       | 16,962,094              | 52.91                       | 5,116,537               | 10.18                       | 2,530,714               | 8.68                        | 19,547,917              | 45.79                       |
| Rhode Island   | 460,153                    | 81.25                       | 414,739                 | 100.15                      | 45,414                  | -2.69                       | 35,411                  | 42.30                       | 424,742                 | 85.48                       |
| South Carolina | 7,684,559                  | 46.88                       | 5,865,255               | 60.01                       | 1,819,304               | 16.14                       | 862,002                 | -34.12                      | 6,822,557               | 73.89                       |
| South Dakota   | 20,041,811                 | 47.99                       | 13,036,437              | 33.01                       | 7,005,374               | 87.21                       | 3,799,784               | 1.99                        | 16,242,027              | 65.44                       |
| Tennessee      | 20,638,390                 | 50.48                       | 15,946,006              | 61.44                       | 4,692,384               | 22.27                       | 2,152,146               | -4.10                       | 18,486,244              | 61.16                       |
| Texas          | 85,848,897                 | 7.62                        | 68,661,940              | 3.55                        | 17,186,957              | 27.71                       | 9,960,056               | -11.88                      | 75,888,841              | 10.84                       |
| Utah           | 8,522,064                  | 52.02                       | 7,145,018               | 57.58                       | 1,377,046               | 28.50                       | 938,550                 | 13.21                       | 7,583,514               | 58.76                       |
| Vermont        | 2,507,159                  | 17.24                       | 1,816,755               | 22.15                       | 690,404                 | 6.03                        | 367,261                 | 13.03                       | 2,139,898               | 18.00                       |
| Virginia       | 18,532,949                 | 42.42                       | 14,804,210              | 62.42                       | 3,728,739               | -4.35                       | 1,817,206               | -0.94                       | 16,715,743              | 49.53                       |
| Washington     | 20,876,446                 | 50.86                       | 16,948,354              | 57.71                       | 3,928,092               | 27.04                       | 3,125,860               | 1.32                        | 17,750,586              | 65.07                       |
| West Virginia  | 3,792,110                  | 47.87                       | 3,018,862               | 59.28                       | 773,248                 | 15.55                       | 392,425                 | 27.66                       | 3,399,685               | 50.62                       |
| Wisconsin      | 27,698,983                 | 34.38                       | 17,357,688              | 48.65                       | 10,341,295              | 15.73                       | 5,363,215               | -5.47                       | 22,335,768              | 49.51                       |
| Wyoming        | 8,669,474                  | 37.25                       | 6,819,177               | 35.92                       | 1,850,297               | 42.36                       | 954,707                 | 8.22                        | 7,714,767               | 41.96                       |
| United States  | 1,034,870,969              | 42.79                       | 805,396,109             | 48.51                       | 229,474,860             | 25.79                       | 156,154,870             | -0.52                       | 878,716,099             | 54.76                       |

Source: Economic Research Service, U.S. Department of Agriculture.

**Table 3-4—Farm business balance sheet, United States, December 31, 1992-96**

| Item                                      | 1992        | 1993        | 1994        | 1995        | 1996          |
|---|-------------|-------------|-------------|-------------|---------------|
| <i>Numbers</i>                            |             |             |             |             |               |
| Farms                                     | 2,107,840   | 2,083,430   | 2,064,720   | 2,071,520   | 2,063,910     |
| <i>Thousand dollars</i>                   |             |             |             |             |               |
| Farm assets                               | 873,770,005 | 910,668,263 | 942,972,973 | 985,363,673 | 1,034,870,969 |
| Real estate                               | 646,336,932 | 678,333,181 | 712,377,849 | 761,304,027 | 805,396,109   |
| Livestock and poultry <sup>1</sup>        | 70,962,162  | 72,778,679  | 67,912,189  | 57,778,086  | 60,143,401    |
| Machinery and motor vehicles <sup>2</sup> | 85,312,665  | 85,947,336  | 86,661,526  | 86,662,014  | 85,474,749    |
| Crops <sup>3</sup>                        | 24,167,846  | 23,282,537  | 23,066,282  | 27,238,265  | 30,589,207    |
| Purchased inputs                          | 3,946,492   | 3,789,677   | 5,036,668   | 3,371,612   | 4,361,891     |
| Financial                                 | 43,043,908  | 46,536,853  | 47,918,459  | 49,009,669  | 48,905,612    |
| Farm debt                                 | 139,250,069 | 142,199,727 | 147,079,289 | 151,042,037 | 156,154,870   |
| By purpose:                               |             |             |             |             |               |
| Real estate                               | 75,619,055  | 76,272,365  | 77,959,458  | 79,559,811  | 81,929,727    |
| Nonreal estate <sup>4</sup>               | 63,631,014  | 65,927,362  | 69,119,831  | 71,482,226  | 74,225,143    |
| By lender:                                |             |             |             |             |               |
| Farm Credit System                        | 35,821,193  | 35,517,886  | 35,867,550  | 37,410,827  | 39,834,474    |
| Farm Service Agency                       | 13,556,086  | 12,096,285  | 11,505,601  | 10,164,955  | 9,141,214     |
| Commercial banks                          | 51,721,212  | 54,598,564  | 57,889,146  | 60,106,304  | 61,697,359    |
| Life insurance companies                  | 8,783,056   | 9,007,115   | 9,050,305   | 9,116,242   | 9,493,434     |
| Individuals and others                    | 29,366,534  | 30,979,872  | 32,766,692  | 34,243,715  | 35,988,390    |
| Equity                                    | 734,519,936 | 768,468,536 | 795,893,684 | 834,321,636 | 878,716,099   |
| <i>Percent</i>                            |             |             |             |             |               |
| Ratio:                                    |             |             |             |             |               |
| Debt/equity                               | 19.0        | 18.5        | 18.5        | 18.1        | 17.8          |
| Debt/assets                               | 15.9        | 15.6        | 15.6        | 15.3        | 15.1          |

<sup>1</sup>Excludes horses, mules, and broilers.

<sup>2</sup>Include only farm share value for trucks and autos.

<sup>3</sup>All non-CCC crops held on farms plus the value above loan rate for crops held under CCC.

<sup>4</sup>Excludes debt for nonfarm purposes.

Source: Economic Research Service, U.S. Department of Agriculture.



**Table 3-5—Farm business balance sheet, Alabama and Alaska, December 31, 1992-96**

| Item                                      | 1992                    | 1993       | 1994       | 1995       | 1996       |
|---|-------------------------|------------|------------|------------|------------|
| <b>Alabama</b>                            |                         |            |            |            |            |
|   | <i>Number</i>           |            |            |            |            |
| Farms                                     | 46,000                  | 46,000     | 46,000     | 47,000     | 45,000     |
|   | <i>Thousand dollars</i> |            |            |            |            |
| Farm assets                               | 11,435,700              | 12,689,073 | 13,726,357 | 14,320,175 | 14,614,594 |
| Real estate                               | 8,413,984               | 9,427,878  | 10,518,967 | 11,168,653 | 11,636,513 |
| Livestock and poultry <sup>1</sup>        | 974,423                 | 1,068,280  | 951,141    | 745,387    | 665,730    |
| Machinery and motor vehicles <sup>2</sup> | 1,165,202               | 1,190,127  | 1,211,593  | 1,233,497  | 1,170,297  |
| Crops <sup>3</sup>                        | 121,143                 | 124,726    | 113,489    | 149,025    | 50,802     |
| Purchased inputs                          | 26,092                  | 31,661     | 53,443     | 42,139     | 59,860     |
| Financial                                 | 734,856                 | 846,401    | 877,724    | 981,474    | 1,031,392  |
| Farm debt                                 | 1,393,317               | 1,438,384  | 1,470,769  | 1,558,219  | 1,605,264  |
| By purpose:                               |                         |            |            |            |            |
| Real estate                               | 697,183                 | 722,275    | 713,902    | 757,592    | 796,130    |
| Nonreal estate <sup>4</sup>               | 696,134                 | 716,109    | 756,867    | 800,627    | 809,134    |
| By lender:                                |                         |            |            |            |            |
| Farm Credit System                        | 358,198                 | 360,840    | 372,844    | 420,735    | 463,379    |
| Farm Service Agency <sup>5</sup>          | 141,313                 | 117,814    | 105,015    | 90,345     | 87,859     |
| Commercial banks                          | 519,743                 | 574,734    | 590,203    | 630,868    | 614,185    |
| Life insurance companies                  | 44,654                  | 35,364     | 31,333     | 25,089     | 24,235     |
| Individuals and others                    | 329,373                 | 349,633    | 371,373    | 391,181    | 415,605    |
| Equity                                    | 10,042,383              | 11,250,689 | 12,255,588 | 12,761,956 | 13,009,330 |
|   | <i>Percent</i>          |            |            |            |            |
| Ratio:                                    |                         |            |            |            |            |
| Debt/equity                               | 13.9                    | 12.8       | 12.0       | 12.2       | 12.3       |
| Debt/assets                               | 12.2                    | 11.3       | 10.7       | 10.9       | 11.0       |
| <b>Alaska</b>                             |                         |            |            |            |            |
|   | <i>Number</i>           |            |            |            |            |
| Farms                                     | 540                     | 530        | 520        | 520        | 510        |
|   | <i>Thousand dollars</i> |            |            |            |            |
| Farm assets                               | 526,813                 | 558,522    | 594,627    | 577,470    | 612,015    |
| Real estate                               | 225,349                 | 232,351    | 237,214    | 255,210    | 268,297    |
| Livestock and poultry <sup>1</sup>        | 5,362                   | 5,533      | 6,668      | 7,085      | 7,434      |
| Machinery and motor vehicles <sup>2</sup> | 19,735                  | 19,784     | 19,761     | 19,690     | 19,136     |
| Crops <sup>3</sup>                        | 0                       | 623        | 0          | 0          | 0          |
| Purchased inputs                          | 639                     | 602        | 790        | 525        | 676        |
| Financial                                 | 275,728                 | 299,629    | 330,194    | 294,960    | 316,472    |
| Farm debt                                 | 17,853                  | 15,619     | 16,046     | 11,821     | 12,670     |
| By purpose:                               |                         |            |            |            |            |
| Real estate                               | 11,359                  | 9,974      | 10,014     | 6,137      | 7,179      |
| Nonreal estate <sup>4</sup>               | 6,494                   | 5,645      | 6,032      | 5,684      | 5,491      |
| By lender:                                |                         |            |            |            |            |
| Farm Credit System                        | 2,010                   | 898        | 738        | 541        | 497        |
| Farm Service Agency <sup>5</sup>          | 521                     | 502        | 452        | 531        | 1,240      |
| Commercial banks                          | 6,096                   | 5,427      | 6,228      | 2,868      | 2,687      |
| Life insurance companies                  | 2,454                   | 1,644      | 1,059      | 0          | 0          |
| Individuals and others                    | 6,773                   | 7,147      | 7,570      | 7,880      | 8,244      |
| Equity                                    | 508,960                 | 542,903    | 578,581    | 565,649    | 599,345    |
|   | <i>Percent</i>          |            |            |            |            |
| Ratio:                                    |                         |            |            |            |            |
| Debt/equity                               | 3.5                     | 2.9        | 2.8        | 2.1        | 2.1        |
| Debt/assets                               | 3.4                     | 2.8        | 2.7        | 2.1        | 2.1        |

See footnotes at end of table.

Continued—

**Table 3-5—Farm business balance sheet, Arizona and Arkansas, December 31, 1992-96—Continued**

| Item                                      | 1992       | 1993       | 1994          | 1995       | 1996       |
|---|------------|------------|---------------|------------|------------|
| <b>Arizona</b>                            |            |            | <i>Number</i> |            |            |
| Farms                                     | 7,500      | 7,400      | 7,400         | 7,400      | 7,500      |
| <i>Thousand dollars</i>                   |            |            |               |            |            |
| Farm assets                               | 11,958,495 | 12,177,234 | 12,859,092    | 14,559,233 | 15,282,719 |
| Real estate                               | 10,739,212 | 10,958,423 | 11,633,120    | 13,376,412 | 14,080,434 |
| Livestock and poultry <sup>1</sup>        | 569,829    | 557,145    | 533,166       | 477,132    | 486,160    |
| Machinery and motor vehicles <sup>2</sup> | 373,066    | 375,966    | 382,747       | 381,376    | 383,024    |
| Crops <sup>3</sup>                        | 29,644     | 29,987     | 30,229        | 56,705     | 42,630     |
| Purchased inputs                          | 39,408     | 35,828     | 46,805        | 30,643     | 38,667     |
| Financial                                 | 207,336    | 219,885    | 233,025       | 236,965    | 251,804    |
| Farm debt                                 | 1,175,491  | 1,212,092  | 1,241,387     | 1,208,950  | 1,056,902  |
| By purpose:                               |            |            |               |            |            |
| Real estate                               | 506,298    | 493,764    | 471,309       | 483,976    | 472,411    |
| Nonreal estate <sup>4</sup>               | 669,193    | 718,328    | 770,078       | 724,974    | 584,491    |
| By lender:                                |            |            |               |            |            |
| Farm Credit System                        | 175,743    | 188,788    | 184,674       | 218,851    | 249,170    |
| Farm Service Agency <sup>5</sup>          | 139,578    | 134,131    | 133,726       | 105,305    | 65,457     |
| Commercial banks                          | 367,816    | 388,740    | 431,920       | 386,548    | 240,630    |
| Life insurance companies                  | 195,536    | 185,992    | 157,448       | 148,601    | 132,331    |
| Individuals and others                    | 296,817    | 314,440    | 333,619       | 349,646    | 369,315    |
| Equity                                    | 10,783,004 | 10,965,142 | 11,617,705    | 13,350,283 | 14,225,817 |
| <i>Percent</i>                            |            |            |               |            |            |
| Ratio:                                    |            |            |               |            |            |
| Debt/equity                               | 10.9       | 11.1       | 10.7          | 9.1        | 7.4        |
| Debt/assets                               | 9.8        | 10.0       | 9.7           | 8.3        | 6.9        |
| <b>Arkansas</b>                           |            |            | <i>Number</i> |            |            |
| Farms                                     | 45,000     | 45,000     | 44,000        | 43,000     | 43,000     |
| <i>Thousand dollars</i>                   |            |            |               |            |            |
| Farm assets                               | 16,296,254 | 17,067,304 | 17,581,818    | 17,579,246 | 18,325,994 |
| Real estate                               | 12,242,416 | 12,611,548 | 13,124,209    | 13,250,075 | 13,351,003 |
| Livestock and poultry <sup>1</sup>        | 1,127,570  | 1,222,180  | 1,220,845     | 957,215    | 897,617    |
| Machinery and motor vehicles <sup>2</sup> | 1,674,884  | 1,710,711  | 1,702,866     | 1,658,201  | 1,643,164  |
| Crops <sup>3</sup>                        | 174,901    | 250,424    | 168,586       | 291,548    | 914,366    |
| Purchased inputs                          | 34,387     | 26,065     | 32,940        | 21,477     | 28,346     |
| Financial                                 | 1,042,096  | 1,246,376  | 1,332,372     | 1,400,730  | 1,491,498  |
| Farm debt                                 | 3,118,245  | 3,333,264  | 3,403,683     | 3,615,478  | 3,687,302  |
| By purpose:                               |            |            |               |            |            |
| Real estate                               | 1,772,798  | 1,859,066  | 1,904,000     | 2,002,824  | 2,074,898  |
| Nonreal estate <sup>4</sup>               | 1,345,447  | 1,474,198  | 1,499,683     | 1,612,654  | 1,612,404  |
| By lender:                                |            |            |               |            |            |
| Farm Credit System                        | 706,812    | 838,879    | 820,942       | 907,286    | 945,441    |
| Farm Service Agency <sup>5</sup>          | 448,010    | 378,683    | 349,481       | 298,605    | 268,842    |
| Commercial banks                          | 1,154,770  | 1,316,515  | 1,407,180     | 1,536,294  | 1,537,192  |
| Life insurance companies                  | 293,168    | 252,237    | 245,608       | 262,862    | 288,561    |
| Individuals and others                    | 515,402    | 546,949    | 580,472       | 610,429    | 647,266    |
| Equity                                    | 13,178,009 | 13,734,040 | 14,178,135    | 13,963,768 | 14,638,692 |
| <i>Percent</i>                            |            |            |               |            |            |
| Ratio:                                    |            |            |               |            |            |
| Debt/equity                               | 23.7       | 24.3       | 24.0          | 25.9       | 25.2       |
| Debt/assets                               | 19.1       | 19.5       | 19.4          | 20.6       | 20.1       |

See footnotes at end of table.

Continued—

**Table 3-5—Farm business balance sheet, California and Colorado, December 31, 1992-96—Continued**

| Item                                      | 1992       | 1993       | 1994          | 1995       | 1996       |
|---|------------|------------|---------------|------------|------------|
| <b>California</b>                         |            |            | <i>Number</i> |            |            |
| Farms                                     | 82,000     | 79,000     | 79,000        | 80,000     | 82,000     |
| <i>Thousand dollars</i>                   |            |            |               |            |            |
| Farm assets                               | 71,695,939 | 71,311,697 | 71,072,238    | 76,063,937 | 79,314,754 |
| Real estate                               | 61,094,485 | 60,371,441 | 59,911,166    | 65,202,475 | 68,077,459 |
| Livestock and poultry <sup>1</sup>        | 3,513,595  | 3,651,450  | 3,585,765     | 3,253,190  | 3,323,360  |
| Machinery and motor vehicles <sup>2</sup> | 3,865,223  | 3,803,468  | 3,872,071     | 3,907,035  | 3,968,394  |
| Crops <sup>3</sup>                        | 360,891    | 408,530    | 390,332       | 534,433    | 696,535    |
| Purchased inputs                          | 223,381    | 217,802    | 295,785       | 196,082    | 247,529    |
| Financial                                 | 2,638,364  | 2,859,006  | 3,017,119     | 2,970,722  | 3,001,477  |
| Farm debt                                 | 13,160,465 | 13,447,444 | 13,944,921    | 14,324,363 | 14,916,997 |
| By purpose:                               |            |            |               |            |            |
| Real estate                               | 7,638,888  | 7,806,881  | 7,954,202     | 8,062,138  | 8,297,559  |
| Nonreal estate <sup>4</sup>               | 5,521,577  | 5,640,563  | 5,990,719     | 6,262,225  | 6,619,438  |
| By lender:                                |            |            |               |            |            |
| Farm Credit System                        | 3,826,389  | 3,676,618  | 3,554,951     | 3,644,728  | 3,811,719  |
| Farm Service Agency <sup>5</sup>          | 596,765    | 567,817    | 593,682       | 499,072    | 322,722    |
| Commercial banks                          | 3,990,009  | 4,037,706  | 4,356,608     | 4,591,193  | 4,966,841  |
| Life insurance companies                  | 2,349,025  | 2,633,909  | 2,761,991     | 2,790,127  | 2,872,123  |
| Individuals and others                    | 2,398,269  | 2,531,393  | 2,677,688     | 2,799,243  | 2,943,592  |
| Equity                                    | 58,535,474 | 57,864,253 | 57,127,317    | 61,739,574 | 64,397,757 |
| <i>Percent</i>                            |            |            |               |            |            |
| Ratio:                                    |            |            |               |            |            |
| Debt/equity                               | 22.5       | 23.2       | 24.4          | 23.2       | 23.2       |
| Debt/assets                               | 18.4       | 18.9       | 19.6          | 18.8       | 18.8       |
| <b>Colorado</b>                           |            |            | <i>Number</i> |            |            |
| Farms                                     | 25,500     | 25,500     | 25,300        | 25,000     | 24,500     |
| <i>Thousand dollars</i>                   |            |            |               |            |            |
| Farm assets                               | 17,158,962 | 18,836,867 | 19,756,159    | 20,560,329 | 21,668,915 |
| Real estate                               | 12,634,812 | 14,024,961 | 15,044,806    | 16,104,507 | 17,028,063 |
| Livestock and poultry <sup>1</sup>        | 2,055,439  | 2,082,495  | 1,996,188     | 1,712,738  | 1,914,148  |
| Machinery and motor vehicles <sup>2</sup> | 1,167,581  | 1,192,556  | 1,204,544     | 1,185,996  | 1,151,736  |
| Crops <sup>3</sup>                        | 359,365    | 491,254    | 365,756       | 441,237    | 395,565    |
| Purchased inputs                          | 113,458    | 76,009     | 91,237        | 58,985     | 78,823     |
| Financial                                 | 828,307    | 969,592    | 1,053,628     | 1,056,866  | 1,100,580  |
| Farm debt                                 | 2,794,760  | 2,944,152  | 3,059,227     | 3,285,588  | 3,504,812  |
| By purpose:                               |            |            |               |            |            |
| Real estate                               | 1,489,772  | 1,550,899  | 1,570,069     | 1,679,230  | 1,743,543  |
| Nonreal estate <sup>4</sup>               | 1,304,988  | 1,393,253  | 1,489,158     | 1,606,358  | 1,761,269  |
| By lender:                                |            |            |               |            |            |
| Farm Credit System                        | 855,326    | 889,652    | 886,278       | 975,173    | 1,084,207  |
| Farm Service Agency <sup>5</sup>          | 143,723    | 133,814    | 124,343       | 116,983    | 124,620    |
| Commercial banks                          | 823,567    | 905,546    | 994,204       | 1,107,276  | 1,158,193  |
| Life insurance companies                  | 170,906    | 167,164    | 155,735       | 143,470    | 141,869    |
| Individuals and others                    | 801,132    | 847,977    | 898,669       | 942,685    | 995,922    |
| Equity                                    | 14,364,202 | 15,892,715 | 16,696,932    | 17,274,741 | 18,164,103 |
| <i>Percent</i>                            |            |            |               |            |            |
| Ratio:                                    |            |            |               |            |            |
| Debt/equity                               | 19.5       | 18.5       | 18.3          | 19.0       | 19.3       |
| Debt/assets                               | 16.3       | 15.6       | 15.5          | 16.0       | 16.2       |

See footnotes at end of table.

Continued—

**Table 3-5—Farm business balance sheet, Connecticut and Delaware, December 31, 1992-96—Continued**

| Item                                      | 1992                    | 1993      | 1994      | 1995      | 1996      |
|---|-------------------------|-----------|-----------|-----------|-----------|
| <b>Connecticut</b>                        |                         |           |           |           |           |
|   | <i>Number</i>           |           |           |           |           |
| Farms                                     | 4,000                   | 3,800     | 3,800     | 3,800     | 3,800     |
|   | <i>Thousand dollars</i> |           |           |           |           |
| Farm assets                               | 2,292,923               | 2,412,675 | 2,387,032 | 2,432,406 | 2,651,054 |
| Real estate                               | 1,976,189               | 2,100,117 | 2,068,952 | 2,145,509 | 2,362,896 |
| Livestock and poultry <sup>1</sup>        | 71,755                  | 72,352    | 74,383    | 65,331    | 65,917    |
| Machinery and motor vehicles <sup>2</sup> | 122,028                 | 118,406   | 120,542   | 120,110   | 119,021   |
| Crops <sup>3</sup>                        | 18,540                  | 17,122    | 20,331    | 12,850    | 18,452    |
| Purchased inputs                          | 9,490                   | 10,448    | 11,474    | 6,679     | 5,151     |
| Financial                                 | 94,921                  | 94,230    | 91,350    | 81,927    | 79,617    |
| Farm debt                                 | 198,713                 | 194,030   | 199,040   | 199,588   | 210,876   |
| By purpose:                               |                         |           |           |           |           |
| Real estate                               | 85,027                  | 85,363    | 85,453    | 82,524    | 80,120    |
| Nonreal estate <sup>4</sup>               | 113,686                 | 108,667   | 113,587   | 117,064   | 130,756   |
| By lender:                                |                         |           |           |           |           |
| Farm Credit System                        | 117,441                 | 124,091   | 126,002   | 131,113   | 131,362   |
| Farm Service Agency <sup>5</sup>          | 17,429                  | 15,976    | 15,960    | 12,801    | 14,466    |
| Commercial banks                          | 22,502                  | 10,024    | 10,350    | 6,566     | 12,983    |
| Life insurance companies                  | 0                       | 0         | 0         | 0         | 0         |
| Individuals and others                    | 41,339                  | 43,939    | 46,727    | 49,108    | 52,067    |
| Equity                                    | 2,094,210               | 2,218,645 | 2,187,992 | 2,232,818 | 2,440,178 |
|   | <i>Percent</i>          |           |           |           |           |
| Ratio:                                    |                         |           |           |           |           |
| Debt/equity                               | 9.5                     | 8.8       | 9.1       | 8.9       | 8.6       |
| Debt/assets                               | 8.7                     | 8.0       | 8.3       | 8.2       | 8.0       |
| <b>Delaware</b>                           |                         |           |           |           |           |
|   | <i>Number</i>           |           |           |           |           |
| Farms                                     | 2,700                   | 2,500     | 2,500     | 2,500     | 2,500     |
|   | <i>Thousand dollars</i> |           |           |           |           |
| Farm assets                               | 1,433,333               | 1,543,086 | 1,628,845 | 1,742,663 | 1,859,365 |
| Real estate                               | 1,136,612               | 1,260,051 | 1,334,663 | 1,434,382 | 1,564,153 |
| Livestock and poultry <sup>1</sup>        | 30,727                  | 27,727    | 30,179    | 29,183    | 24,370    |
| Machinery and motor vehicles <sup>2</sup> | 152,861                 | 144,565   | 147,173   | 146,646   | 145,316   |
| Crops <sup>3</sup>                        | 25,714                  | 19,852    | 23,960    | 36,150    | 25,366    |
| Purchased inputs                          | 3,310                   | 3,156     | 3,970     | 2,370     | 2,950     |
| Financial                                 | 84,109                  | 87,735    | 88,900    | 93,932    | 97,210    |
| Farm debt                                 | 330,565                 | 338,871   | 305,998   | 313,905   | 307,239   |
| By purpose:                               |                         |           |           |           |           |
| Real estate                               | 174,959                 | 177,156   | 154,692   | 164,617   | 153,229   |
| Nonreal estate <sup>4</sup>               | 155,606                 | 161,715   | 151,306   | 149,288   | 154,010   |
| By lender:                                |                         |           |           |           |           |
| Farm Credit System                        | 150,373                 | 152,157   | 119,140   | 139,049   | 139,568   |
| Farm Service Agency <sup>5</sup>          | 12,198                  | 10,642    | 12,326    | 7,917     | 10,473    |
| Commercial banks                          | 88,832                  | 79,917    | 69,041    | 57,532    | 56,446    |
| Life insurance companies                  | 0                       | 11,868    | 15,848    | 14,836    | 0         |
| Individuals and others                    | 79,162                  | 84,287    | 89,641    | 94,572    | 100,752   |
| Equity                                    | 1,102,768               | 1,204,215 | 1,322,847 | 1,428,758 | 1,552,126 |
|   | <i>Percent</i>          |           |           |           |           |
| Ratio:                                    |                         |           |           |           |           |
| Debt/equity                               | 30.0                    | 28.1      | 23.1      | 22.0      | 19.8      |
| Debt/assets                               | 23.1                    | 22.0      | 18.8      | 18.0      | 16.5      |

See footnotes at end of table.

Continued—

**Table 3-5—Farm business balance sheet, Florida and Georgia, December 31, 1992-96—Continued**

| Item                                      | 1992                    | 1993       | 1994       | 1995       | 1996       |
|---|-------------------------|------------|------------|------------|------------|
| <b>Florida</b>                            |                         |            |            |            |            |
|   | <i>Number</i>           |            |            |            |            |
| Farms                                     | 39,000                  | 39,000     | 39,000     | 39,000     | 40,000     |
|   | <i>Thousand dollars</i> |            |            |            |            |
| Farm assets                               | 23,739,856              | 25,106,691 | 25,487,771 | 26,051,187 | 25,990,695 |
| Real estate                               | 19,846,107              | 20,979,725 | 21,326,441 | 22,195,697 | 22,137,946 |
| Livestock and poultry <sup>1</sup>        | 1,207,465               | 1,287,076  | 1,226,104  | 935,712    | 874,238    |
| Machinery and motor vehicles <sup>2</sup> | 1,331,050               | 1,359,522  | 1,384,044  | 1,379,084  | 1,401,619  |
| Crops <sup>3</sup>                        | 63,163                  | 45,347     | 53,283     | 45,922     | 58,791     |
| Purchased inputs                          | 57,614                  | 52,596     | 60,819     | 30,712     | 35,678     |
| Financial                                 | 1,234,457               | 1,382,425  | 1,437,080  | 1,464,060  | 1,482,423  |
| Farm debt                                 | 3,633,581               | 3,885,208  | 4,061,008  | 3,948,500  | 3,895,128  |
| By purpose:                               |                         |            |            |            |            |
| Real estate                               | 2,618,217               | 2,764,665  | 2,919,637  | 2,789,183  | 2,687,597  |
| Nonreal estate <sup>4</sup>               | 1,015,364               | 1,120,543  | 1,141,371  | 1,159,317  | 1,207,531  |
| By lender:                                |                         |            |            |            |            |
| Farm Credit System                        | 801,962                 | 850,103    | 813,799    | 874,364    | 915,656    |
| Farm Service Agency <sup>5</sup>          | 230,973                 | 216,632    | 198,279    | 164,631    | 135,763    |
| Commercial banks                          | 1,050,892               | 1,032,199  | 1,107,339  | 1,002,607  | 908,502    |
| Life insurance companies                  | 935,104                 | 1,136,885  | 1,253,963  | 1,188,067  | 1,178,999  |
| Individuals and others                    | 614,588                 | 649,390    | 687,628    | 718,831    | 756,209    |
| Equity                                    | 20,106,275              | 21,221,483 | 21,426,763 | 22,102,687 | 22,095,567 |
|   | <i>Percent</i>          |            |            |            |            |
| Ratio:                                    |                         |            |            |            |            |
| Debt/equity                               | 18.1                    | 18.3       | 19.0       | 17.9       | 17.6       |
| Debt/assets                               | 15.3                    | 15.5       | 15.9       | 15.2       | 15.0       |
| <b>Georgia</b>                            |                         |            |            |            |            |
|   | <i>Number</i>           |            |            |            |            |
| Farms                                     | 46,000                  | 46,000     | 45,000     | 45,000     | 43,000     |
|   | <i>Thousand dollars</i> |            |            |            |            |
| Farm assets                               | 16,078,603              | 16,366,185 | 17,148,697 | 17,968,514 | 18,469,951 |
| Real estate                               | 11,764,041              | 11,836,081 | 12,549,712 | 13,412,273 | 14,123,381 |
| Livestock and poultry <sup>1</sup>        | 956,566                 | 1,007,657  | 986,770    | 805,736    | 776,475    |
| Machinery and motor vehicles <sup>2</sup> | 1,339,864               | 1,368,525  | 1,362,921  | 1,358,038  | 1,285,913  |
| Crops <sup>3</sup>                        | 157,817                 | 120,705    | 172,879    | 223,234    | 220,304    |
| Purchased inputs                          | 39,345                  | 37,299     | 44,473     | 29,614     | 36,579     |
| Financial                                 | 1,820,970               | 1,995,918  | 2,031,942  | 2,139,619  | 2,027,299  |
| Farm debt                                 | 2,791,518               | 2,749,608  | 2,862,183  | 3,152,537  | 3,316,349  |
| By purpose:                               |                         |            |            |            |            |
| Real estate                               | 1,644,279               | 1,559,460  | 1,590,809  | 1,688,354  | 1,756,873  |
| Nonreal estate <sup>4</sup>               | 1,147,239               | 1,190,148  | 1,271,374  | 1,464,183  | 1,559,476  |
| By lender:                                |                         |            |            |            |            |
| Farm Credit System                        | 804,707                 | 805,247    | 843,663    | 955,254    | 1,007,824  |
| Farm Service Agency <sup>5</sup>          | 358,051                 | 295,269    | 261,154    | 215,847    | 138,035    |
| Commercial banks                          | 1,057,022               | 1,040,193  | 1,135,305  | 1,331,977  | 1,451,617  |
| Life insurance companies                  | 120,318                 | 129,893    | 113,860    | 114,456    | 150,909    |
| Individuals and others                    | 451,347                 | 479,006    | 508,201    | 535,004    | 567,965    |
| Equity                                    | 13,287,085              | 13,616,577 | 14,286,514 | 14,815,977 | 15,153,602 |
|   | <i>Percent</i>          |            |            |            |            |
| Ratio:                                    |                         |            |            |            |            |
| Debt/equity                               | 21.0                    | 20.2       | 20.0       | 21.3       | 21.9       |
| Debt/assets                               | 17.4                    | 16.8       | 16.7       | 17.5       | 18.0       |

See footnotes at end of table.

Continued—

**Table 3-5—Farm business balance sheet, Hawaii and Idaho, December 31, 1992-96—Continued**

| Item                                      | 1992                    | 1993       | 1994       | 1995       | 1996       |
|---|-------------------------|------------|------------|------------|------------|
| <b>Hawaii</b>                             |                         |            |            |            |            |
|   | <i>Number</i>           |            |            |            |            |
| Farms                                     | 4,800                   | 4,800      | 4,800      | 4,800      | 4,600      |
|   | <i>Thousand dollars</i> |            |            |            |            |
| Farm assets                               | 4,061,244               | 4,402,466  | 4,227,627  | 4,523,798  | 4,715,824  |
| Real estate                               | 3,583,107               | 4,006,800  | 3,822,686  | 4,134,712  | 4,341,448  |
| Livestock and poultry <sup>1</sup>        | 93,542                  | 88,304     | 86,354     | 75,432     | 74,538     |
| Machinery and motor vehicles <sup>2</sup> | 213,127                 | 217,686    | 221,612    | 220,818    | 209,698    |
| Crops <sup>3</sup>                        | 0                       | 0          | 0          | 0          | 0          |
| Purchased inputs                          | 8,468                   | 8,169      | 10,853     | 7,260      | 9,367      |
| Financial                                 | 163,000                 | 81,507     | 86,122     | 85,576     | 80,773     |
| Farm debt                                 | 296,110                 | 266,522    | 259,100    | 202,732    | 207,109    |
| By purpose:                               |                         |            |            |            |            |
| Real estate                               | 175,307                 | 176,619    | 166,261    | 107,838    | 105,036    |
| Nonreal estate <sup>4</sup>               | 120,803                 | 89,903     | 92,839     | 94,894     | 102,073    |
| By lender:                                |                         |            |            |            |            |
| Farm Credit System                        | 89,413                  | 78,570     | 74,349     | 62,494     | 59,462     |
| Farm Service Agency <sup>5</sup>          | 40,500                  | 41,673     | 39,989     | 40,668     | 50,728     |
| Commercial banks                          | 103,049                 | 80,986     | 71,905     | 38,765     | 33,453     |
| Life insurance companies                  | 23,151                  | 22,260     | 27,388     | 12,793     | 12,233     |
| Individuals and others                    | 39,996                  | 43,034     | 45,471     | 48,013     | 51,234     |
| Equity                                    | 3,765,134               | 4,135,944  | 3,968,527  | 4,321,066  | 4,508,715  |
|   | <i>Percent</i>          |            |            |            |            |
| Ratio:                                    |                         |            |            |            |            |
| Debt/equity                               | 7.9                     | 6.4        | 6.5        | 4.7        | 4.6        |
| Debt/assets                               | 7.3                     | 6.1        | 6.1        | 4.5        | 4.4        |
| <b>Idaho</b>                              |                         |            |            |            |            |
|   | <i>Number</i>           |            |            |            |            |
| Farms                                     | 21,000                  | 20,500     | 20,500     | 21,500     | 22,000     |
|   | <i>Thousand dollars</i> |            |            |            |            |
| Farm assets                               | 11,741,944              | 12,901,943 | 13,338,078 | 14,384,345 | 14,939,737 |
| Real estate                               | 8,252,562               | 9,263,181  | 9,866,440  | 10,729,234 | 11,381,286 |
| Livestock and poultry <sup>1</sup>        | 1,152,668               | 1,276,984  | 1,154,750  | 1,041,667  | 1,118,448  |
| Machinery and motor vehicles <sup>2</sup> | 1,188,883               | 1,185,402  | 1,206,783  | 1,261,115  | 1,278,741  |
| Crops <sup>3</sup>                        | 680,424                 | 684,322    | 570,535    | 824,771    | 619,140    |
| Purchased inputs                          | 59,332                  | 53,241     | 73,278     | 49,666     | 67,799     |
| Financial                                 | 408,075                 | 438,813    | 466,292    | 477,892    | 474,323    |
| Farm debt                                 | 2,498,105               | 2,435,821  | 2,592,652  | 2,602,743  | 2,558,890  |
| By purpose:                               |                         |            |            |            |            |
| Real estate                               | 1,281,715               | 1,185,549  | 1,222,568  | 1,226,590  | 1,261,332  |
| Nonreal estate <sup>4</sup>               | 1,216,390               | 1,250,272  | 1,370,084  | 1,376,153  | 1,297,558  |
| By lender:                                |                         |            |            |            |            |
| Farm Credit System                        | 762,214                 | 641,809    | 684,871    | 689,029    | 772,918    |
| Farm Service Agency <sup>5</sup>          | 290,764                 | 260,056    | 253,442    | 213,570    | 238,767    |
| Commercial banks                          | 756,345                 | 821,436    | 908,078    | 904,192    | 685,685    |
| Life insurance companies                  | 169,532                 | 166,125    | 169,396    | 194,084    | 230,853    |
| Individuals and others                    | 519,192                 | 546,397    | 576,866    | 601,867    | 630,668    |
| Equity                                    | 9,243,839               | 10,466,122 | 10,745,426 | 11,781,602 | 12,380,847 |
|   | <i>Percent</i>          |            |            |            |            |
| Ratio:                                    |                         |            |            |            |            |
| Debt/equity                               | 27.0                    | 23.3       | 24.1       | 22.1       | 20.7       |
| Debt/assets                               | 21.3                    | 18.9       | 19.4       | 18.1       | 17.1       |

See footnotes at end of table.

Continued—

**Table 3-5—Farm business balance sheet, Illinois and Indiana, December 31, 1992-96—Continued**

| Item                                      | 1992                    | 1993       | 1994       | 1995       | 1996       |
|---|-------------------------|------------|------------|------------|------------|
| <b>Illinois</b>                           |                         |            |            |            |            |
|   | <i>Number</i>           |            |            |            |            |
| Farms                                     | 81,000                  | 79,000     | 77,000     | 77,000     | 76,000     |
|   | <i>Thousand dollars</i> |            |            |            |            |
| Farm assets                               | 51,397,715              | 55,151,573 | 58,860,048 | 64,629,936 | 68,477,866 |
| Real estate                               | 40,580,013              | 44,128,513 | 48,189,493 | 53,507,381 | 57,088,415 |
| Livestock and poultry <sup>1</sup>        | 1,663,460               | 1,679,470  | 1,395,017  | 1,279,881  | 1,395,089  |
| Machinery and motor vehicles <sup>2</sup> | 4,814,026               | 4,795,595  | 4,758,496  | 4,741,445  | 4,637,429  |
| Crops <sup>3</sup>                        | 2,345,171               | 2,436,137  | 2,297,989  | 2,952,878  | 3,035,727  |
| Purchased inputs                          | 262,057                 | 270,866    | 374,423    | 252,018    | 331,429    |
| Financial                                 | 1,732,988               | 1,840,992  | 1,844,630  | 1,896,333  | 1,989,777  |
| Farm debt                                 | 7,386,475               | 7,548,173  | 7,803,030  | 8,084,933  | 8,664,632  |
| By purpose:                               |                         |            |            |            |            |
| Real estate                               | 4,414,143               | 4,473,399  | 4,587,912  | 4,690,151  | 4,880,830  |
| Nonreal estate <sup>4</sup>               | 2,972,332               | 3,074,774  | 3,215,118  | 3,394,782  | 3,783,802  |
| By lender:                                |                         |            |            |            |            |
| Farm Credit System                        | 1,615,433               | 1,683,832  | 1,706,222  | 1,797,289  | 1,860,364  |
| Farm Service Agency <sup>5</sup>          | 409,378                 | 360,287    | 340,288    | 301,861    | 357,496    |
| Commercial banks                          | 3,594,068               | 3,696,084  | 3,875,444  | 4,036,597  | 4,394,867  |
| Life insurance companies                  | 344,636                 | 308,426    | 294,804    | 294,935    | 318,095    |
| Individuals and others                    | 1,422,788               | 1,499,544  | 1,586,272  | 1,654,253  | 1,733,809  |
| Equity                                    | 44,011,240              | 47,603,400 | 51,057,018 | 56,545,003 | 59,813,234 |
|   | <i>Percent</i>          |            |            |            |            |
| Ratio:                                    |                         |            |            |            |            |
| Debt/equity                               | 16.8                    | 15.9       | 15.3       | 14.3       | 14.5       |
| Debt/assets                               | 14.4                    | 13.7       | 13.3       | 12.5       | 12.7       |
| <b>Indiana</b>                            |                         |            |            |            |            |
|   | <i>Number</i>           |            |            |            |            |
| Farms                                     | 65,000                  | 63,000     | 63,000     | 62,000     | 61,000     |
|   | <i>Thousand dollars</i> |            |            |            |            |
| Farm assets                               | 26,843,644              | 28,309,989 | 29,784,485 | 31,952,616 | 34,447,386 |
| Real estate                               | 19,727,918              | 21,013,700 | 22,670,708 | 24,791,360 | 27,117,701 |
| Livestock and poultry <sup>1</sup>        | 1,083,794               | 1,114,835  | 991,845    | 947,139    | 1,047,592  |
| Machinery and motor vehicles <sup>2</sup> | 3,007,213               | 2,977,031  | 3,030,728  | 2,971,933  | 2,897,483  |
| Crops <sup>3</sup>                        | 1,304,328               | 1,361,594  | 1,164,530  | 1,479,658  | 1,515,323  |
| Purchased inputs                          | 128,889                 | 126,887    | 171,634    | 117,803    | 155,670    |
| Financial                                 | 1,591,502               | 1,715,942  | 1,755,040  | 1,644,723  | 1,713,617  |
| Farm debt                                 | 4,558,848               | 4,508,592  | 4,674,395  | 4,756,218  | 4,938,764  |
| By purpose:                               |                         |            |            |            |            |
| Real estate                               | 2,972,305               | 2,977,447  | 3,031,351  | 3,039,902  | 3,082,734  |
| Nonreal estate <sup>4</sup>               | 1,586,543               | 1,531,145  | 1,643,044  | 1,716,316  | 1,856,030  |
| By lender:                                |                         |            |            |            |            |
| Farm Credit System                        | 1,093,475               | 1,029,143  | 1,106,520  | 1,119,375  | 1,191,329  |
| Farm Service Agency <sup>5</sup>          | 317,996                 | 275,845    | 250,658    | 211,496    | 250,747    |
| Commercial banks                          | 1,770,304               | 1,756,236  | 1,775,312  | 1,832,195  | 1,821,331  |
| Life insurance companies                  | 233,694                 | 246,360    | 274,737    | 273,332    | 295,734    |
| Individuals and others                    | 1,143,378               | 1,201,009  | 1,267,168  | 1,319,819  | 1,379,623  |
| Equity                                    | 22,284,796              | 23,801,397 | 25,110,090 | 27,196,398 | 29,508,622 |
|   | <i>Percent</i>          |            |            |            |            |
| Ratio:                                    |                         |            |            |            |            |
| Debt/equity                               | 20.5                    | 18.9       | 18.6       | 17.5       | 16.7       |
| Debt/assets                               | 17.0                    | 15.9       | 15.7       | 14.9       | 14.3       |

See footnotes at end of table.

Continued—

**Table 3-5—Farm business balance sheet, Iowa and Kansas, December 31, 1992-96—Continued**

| Item                                      | 1992                    | 1993       | 1994       | 1995       | 1996       |
|---|-------------------------|------------|------------|------------|------------|
| <b>Iowa</b>                               |                         |            |            |            |            |
|   | <i>Number</i>           |            |            |            |            |
| Farms                                     | 103,000                 | 102,000    | 101,000    | 100,000    | 98,000     |
|   | <i>Thousand dollars</i> |            |            |            |            |
| Farm assets                               | 53,119,895              | 54,401,432 | 56,176,681 | 59,365,698 | 63,828,315 |
| Real estate                               | 37,658,820              | 39,424,083 | 41,154,874 | 44,098,875 | 48,013,338 |
| Livestock and poultry <sup>1</sup>        | 4,048,760               | 4,006,219  | 3,325,065  | 3,108,470  | 3,443,658  |
| Machinery and motor vehicles <sup>2</sup> | 5,927,972               | 5,995,992  | 6,044,298  | 5,963,009  | 5,790,755  |
| Crops <sup>3</sup>                        | 2,814,652               | 2,166,158  | 2,589,362  | 3,166,771  | 3,376,822  |
| Purchased inputs                          | 323,461                 | 335,601    | 463,310    | 315,885    | 407,458    |
| Financial                                 | 2,346,230               | 2,473,379  | 2,599,772  | 2,712,688  | 2,796,284  |
| Farm debt                                 | 9,990,255               | 10,443,998 | 10,735,776 | 10,943,053 | 11,641,687 |
| By purpose:                               |                         |            |            |            |            |
| Real estate                               | 5,605,815               | 5,808,371  | 6,034,648  | 6,202,480  | 6,503,303  |
| Nonreal estate <sup>4</sup>               | 4,384,440               | 4,635,627  | 4,701,128  | 4,740,573  | 5,138,384  |
| By lender:                                |                         |            |            |            |            |
| Farm Credit System                        | 1,534,089               | 1,566,163  | 1,573,316  | 1,611,444  | 1,809,099  |
| Farm Service Agency <sup>5</sup>          | 596,144                 | 532,347    | 533,757    | 493,439    | 523,927    |
| Commercial banks                          | 4,601,015               | 4,958,565  | 5,125,550  | 5,225,544  | 5,529,543  |
| Life insurance companies                  | 460,557                 | 446,608    | 399,712    | 386,766    | 414,406    |
| Individuals and others                    | 2,798,356               | 2,940,317  | 3,103,442  | 3,225,861  | 3,364,712  |
| Equity                                    | 43,129,640              | 43,957,434 | 45,440,905 | 48,422,645 | 52,186,628 |
|   | <i>Percent</i>          |            |            |            |            |
| Ratio:                                    |                         |            |            |            |            |
| Debt/equity                               | 23.2                    | 23.8       | 23.6       | 22.6       | 22.3       |
| Debt/assets                               | 18.8                    | 19.2       | 19.1       | 18.4       | 18.2       |
| <b>Kansas</b>                             |                         |            |            |            |            |
|   | <i>Number</i>           |            |            |            |            |
| Farms                                     | 67,000                  | 65,000     | 65,000     | 66,000     | 66,000     |
|   | <i>Thousand dollars</i> |            |            |            |            |
| Farm assets                               | 29,294,980              | 30,856,928 | 31,918,097 | 32,117,154 | 33,910,885 |
| Real estate                               | 20,336,332              | 21,899,275 | 23,025,285 | 23,865,062 | 24,814,485 |
| Livestock and poultry <sup>1</sup>        | 3,732,138               | 3,853,296  | 3,548,830  | 2,924,415  | 3,419,179  |
| Machinery and motor vehicles <sup>2</sup> | 3,288,277               | 3,258,358  | 3,317,130  | 3,356,093  | 3,325,659  |
| Crops <sup>3</sup>                        | 696,460                 | 483,146    | 612,081    | 542,841    | 841,792    |
| Purchased inputs                          | 116,109                 | 111,516    | 151,087    | 98,800     | 127,619    |
| Financial                                 | 1,125,664               | 1,251,337  | 1,263,684  | 1,329,943  | 1,382,151  |
| Farm debt                                 | 5,578,692               | 5,790,020  | 5,934,021  | 6,022,218  | 6,039,266  |
| By purpose:                               |                         |            |            |            |            |
| Real estate                               | 2,491,897               | 2,551,312  | 2,593,830  | 2,675,021  | 2,692,470  |
| Nonreal estate <sup>4</sup>               | 3,086,795               | 3,238,708  | 3,340,191  | 3,347,197  | 3,346,796  |
| By lender:                                |                         |            |            |            |            |
| Farm Credit System                        | 1,198,415               | 1,222,974  | 1,223,464  | 1,280,843  | 1,327,327  |
| Farm Service Agency <sup>5</sup>          | 338,490                 | 309,349    | 300,353    | 279,287    | 319,474    |
| Commercial banks                          | 2,772,689               | 2,916,332  | 3,001,832  | 2,995,844  | 2,842,534  |
| Life insurance companies                  | 141,806                 | 144,754    | 138,135    | 130,316    | 132,937    |
| Individuals and others                    | 1,127,292               | 1,196,611  | 1,270,236  | 1,335,929  | 1,416,994  |
| Equity                                    | 23,716,288              | 25,066,908 | 25,984,076 | 26,094,936 | 27,871,619 |
|   | <i>Percent</i>          |            |            |            |            |
| Ratio:                                    |                         |            |            |            |            |
| Debt/equity                               | 23.5                    | 23.1       | 22.8       | 23.1       | 21.7       |
| Debt/assets                               | 19.0                    | 18.8       | 18.6       | 18.8       | 17.8       |

See footnotes at end of table.

Continued—



**Table 3-5—Farm business balance sheet, Kentucky and Louisiana, December 31, 1992-96—Continued**

| Item                                      | 1992       | 1993       | 1994          | 1995       | 1996       |
|---|------------|------------|---------------|------------|------------|
| <b>Kentucky</b>                           |            |            | <i>Number</i> |            |            |
| Farms                                     | 91,000     | 91,000     | 89,000        | 89,000     | 88,000     |
| <i>Thousand dollars</i>                   |            |            |               |            |            |
| Farm assets                               | 18,005,580 | 18,851,608 | 20,025,441    | 21,261,485 | 21,916,217 |
| Real estate                               | 12,855,648 | 13,539,403 | 14,721,136    | 16,227,527 | 16,965,754 |
| Livestock and poultry <sup>1</sup>        | 1,524,098  | 1,562,521  | 1,506,020     | 1,286,420  | 1,081,350  |
| Machinery and motor vehicles <sup>2</sup> | 1,892,266  | 1,932,743  | 1,924,360     | 1,917,465  | 1,878,727  |
| Crops <sup>3</sup>                        | 613,575    | 645,979    | 668,243       | 602,408    | 686,500    |
| Purchased inputs                          | 80,510     | 87,338     | 130,718       | 97,610     | 136,863    |
| Financial                                 | 1,039,483  | 1,083,624  | 1,074,964     | 1,130,055  | 1,167,023  |
| Farm debt                                 | 2,693,575  | 2,593,921  | 2,767,833     | 2,871,091  | 3,082,203  |
| By purpose:                               |            |            |               |            |            |
| Real estate                               | 1,697,819  | 1,721,797  | 1,743,771     | 1,806,063  | 1,864,195  |
| Nonreal estate <sup>4</sup>               | 995,756    | 872,124    | 1,024,062     | 1,065,028  | 1,218,008  |
| By lender:                                |            |            |               |            |            |
| Farm Credit System                        | 616,825    | 495,349    | 653,838       | 714,703    | 799,389    |
| Farm Service Agency <sup>5</sup>          | 338,250    | 301,221    | 282,931       | 253,836    | 310,789    |
| Commercial banks                          | 1,165,200  | 1,208,391  | 1,261,593     | 1,317,428  | 1,360,654  |
| Life insurance companies                  | 113,010    | 103,011    | 54,970        | 48,620     | 48,772     |
| Individuals and others                    | 460,287    | 485,950    | 514,501       | 536,506    | 562,599    |
| Equity                                    | 15,312,005 | 16,257,687 | 17,257,608    | 18,390,394 | 18,834,014 |
| <i>Percent</i>                            |            |            |               |            |            |
| Ratio:                                    |            |            |               |            |            |
| Debt/equity                               | 17.6       | 16.0       | 16.0          | 15.6       | 16.4       |
| Debt/assets                               | 15.0       | 13.8       | 13.8          | 13.5       | 14.1       |
| <b>Louisiana</b>                          |            |            | <i>Number</i> |            |            |
| Farms                                     | 29,000     | 29,000     | 28,000        | 27,000     | 27,000     |
| <i>Thousand dollars</i>                   |            |            |               |            |            |
| Farm assets                               | 8,436,916  | 8,214,949  | 8,481,396     | 9,312,677  | 8,360,995  |
| Real estate                               | 7,529,967  | 7,492,382  | 8,097,413     | 9,037,658  | 9,235,350  |
| Livestock and poultry <sup>1</sup>        | 627,713    | 608,891    | 590,320       | 476,214    | 422,250    |
| Machinery and motor vehicles <sup>2</sup> | 1,120,462  | 1,144,430  | 1,124,897     | 1,080,835  | 1,071,034  |
| Crops <sup>3</sup>                        | 87,476     | 120,742    | 127,962       | 173,688    | 275,987    |
| Purchased inputs                          | 17,020     | 20,539     | 32,815        | 24,730     | 34,050     |
| Financial                                 | -945,722   | -1,172,035 | -1,492,011    | -1,480,448 | -2,677,676 |
| Farm debt                                 | 1,626,274  | 1,612,818  | 1,606,096     | 1,611,219  | 1,461,227  |
| By purpose:                               |            |            |               |            |            |
| Real estate                               | 725,688    | 753,242    | 784,060       | 785,831    | 782,245    |
| Nonreal estate <sup>4</sup>               | 900,586    | 859,576    | 822,036       | 825,388    | 678,982    |
| By lender:                                |            |            |               |            |            |
| Farm Credit System                        | 341,178    | 356,875    | 331,946       | 341,045    | 369,539    |
| Farm Service Agency <sup>5</sup>          | 453,359    | 364,089    | 324,650       | 251,247    | 101,544    |
| Commercial banks                          | 467,722    | 512,494    | 548,366       | 615,700    | 588,582    |
| Life insurance companies                  | 129,444    | 130,846    | 137,580       | 126,361    | 108,412    |
| Individuals and others                    | 234,438    | 248,513    | 263,554       | 276,868    | 293,150    |
| Equity                                    | 6,810,642  | 6,602,131  | 6,875,300     | 7,701,458  | 6,899,768  |
| <i>Percent</i>                            |            |            |               |            |            |
| Ratio:                                    |            |            |               |            |            |
| Debt/equity                               | 23.9       | 24.4       | 23.4          | 20.9       | 21.2       |
| Debt/assets                               | 19.3       | 19.6       | 18.9          | 17.3       | 17.5       |

See footnotes at end of table.

Continued—

**Table 3-5—Farm business balance sheet, Maine and Maryland, December 31, 1992-96—Continued**

| Item                                      | 1992                    | 1993      | 1994      | 1995      | 1996      |
|---|-------------------------|-----------|-----------|-----------|-----------|
| <b>Maine</b>                              |                         |           |           |           |           |
|   | <i>Number</i>           |           |           |           |           |
| Farms                                     | 7,300                   | 7,300     | 7,600     | 7,600     | 7,400     |
|   | <i>Thousand dollars</i> |           |           |           |           |
| Farm assets                               | 1,953,413               | 2,033,943 | 2,039,326 | 2,081,950 | 2,074,681 |
| Real estate                               | 1,344,120               | 1,423,463 | 1,427,907 | 1,469,697 | 1,479,943 |
| Livestock and poultry <sup>1</sup>        | 95,136                  | 97,990    | 97,546    | 92,825    | 94,268    |
| Machinery and motor vehicles <sup>2</sup> | 278,746                 | 284,708   | 301,755   | 300,674   | 290,106   |
| Crops <sup>3</sup>                        | 106,507                 | 106,473   | 91,198    | 104,333   | 94,158    |
| Purchased inputs                          | 23,086                  | 16,246    | 11,886    | 6,397     | 7,302     |
| Financial                                 | 105,818                 | 105,063   | 109,034   | 108,024   | 108,904   |
| Farm debt                                 | 294,103                 | 308,318   | 324,217   | 337,571   | 349,672   |
| By purpose:                               |                         |           |           |           |           |
| Real estate                               | 113,010                 | 115,846   | 114,406   | 117,602   | 123,402   |
| Nonreal estate <sup>4</sup>               | 181,093                 | 192,472   | 209,811   | 219,969   | 226,270   |
| By lender:                                |                         |           |           |           |           |
| Farm Credit System                        | 94,446                  | 92,279    | 93,735    | 90,589    | 98,506    |
| Farm Service Agency <sup>5</sup>          | 98,534                  | 97,873    | 95,642    | 89,774    | 69,825    |
| Commercial banks                          | 34,869                  | 38,578    | 52,318    | 58,624    | 67,727    |
| Life insurance companies                  | 10,635                  | 20,367    | 19,470    | 32,122    | 42,859    |
| Individuals and others                    | 55,581                  | 59,219    | 63,052    | 66,462    | 70,754    |
| Equity                                    | 1,659,310               | 1,725,625 | 1,715,109 | 1,744,379 | 1,725,009 |
|   | <i>Percent</i>          |           |           |           |           |
| Ratio:                                    |                         |           |           |           |           |
| Debt/equity                               | 17.7                    | 17.9      | 18.9      | 19.4      | 20.3      |
| Debt/assets                               | 15.1                    | 15.2      | 15.9      | 16.2      | 16.9      |
| <b>Maryland</b>                           |                         |           |           |           |           |
|   | <i>Number</i>           |           |           |           |           |
| Farms                                     | 15,600                  | 15,000    | 14,500    | 14,300    | 13,700    |
|   | <i>Thousand dollars</i> |           |           |           |           |
| Farm assets                               | 6,908,292               | 7,577,532 | 8,243,169 | 8,133,240 | 8,406,560 |
| Real estate                               | 5,524,864               | 6,212,037 | 6,874,297 | 6,798,522 | 7,107,707 |
| Livestock and poultry <sup>1</sup>        | 277,673                 | 271,130   | 260,004   | 223,188   | 204,908   |
| Machinery and motor vehicles <sup>2</sup> | 658,254                 | 646,476   | 636,198   | 625,175   | 593,512   |
| Crops <sup>3</sup>                        | 102,505                 | 85,690    | 90,836    | 118,807   | 117,624   |
| Purchased inputs                          | 22,014                  | 22,513    | 32,898    | 23,077    | 33,483    |
| Financial                                 | 322,982                 | 339,686   | 348,936   | 344,471   | 349,326   |
| Farm debt                                 | 975,373                 | 999,631   | 1,018,106 | 966,857   | 981,904   |
| By purpose:                               |                         |           |           |           |           |
| Real estate                               | 605,756                 | 634,866   | 661,412   | 617,289   | 609,629   |
| Nonreal estate <sup>4</sup>               | 369,617                 | 364,765   | 356,694   | 349,568   | 372,275   |
| By lender:                                |                         |           |           |           |           |
| Farm Credit System                        | 537,899                 | 533,613   | 534,423   | 487,649   | 482,556   |
| Farm Service Agency <sup>5</sup>          | 44,597                  | 39,823    | 35,764    | 35,858    | 39,134    |
| Commercial banks                          | 146,923                 | 154,826   | 162,479   | 146,340   | 147,532   |
| Life insurance companies                  | 8,662                   | 20,677    | 20,007    | 19,040    | 19,734    |
| Individuals and others                    | 237,292                 | 250,691   | 265,432   | 277,969   | 292,948   |
| Equity                                    | 5,932,919               | 6,577,901 | 7,225,063 | 7,166,383 | 7,424,656 |
|   | <i>Percent</i>          |           |           |           |           |
| Ratio:                                    |                         |           |           |           |           |
| Debt/equity                               | 16.4                    | 15.2      | 14.1      | 13.5      | 13.2      |
| Debt/assets                               | 14.1                    | 13.2      | 12.4      | 11.9      | 11.7      |

See footnotes at end of table.

Continued—

**Table 3-5—Farm business balance sheet, Massachusetts and Michigan, December 31, 1992-96—Continued**

| Item                                      | 1992                    | 1993       | 1994       | 1995       | 1996       |
|---|-------------------------|------------|------------|------------|------------|
| <b>Massachusetts</b>                      |                         |            |            |            |            |
|   | <i>Number</i>           |            |            |            |            |
| Farms                                     | 6,400                   | 6,200      | 6,000      | 6,000      | 6,100      |
|   | <i>Thousand dollars</i> |            |            |            |            |
| Farm assets                               | 2,979,901               | 3,170,029  | 3,064,526  | 3,160,321  | 3,453,625  |
| Real estate                               | 2,512,744               | 2,693,973  | 2,587,556  | 2,682,948  | 2,971,999  |
| Livestock and poultry <sup>1</sup>        | 60,342                  | 61,359     | 57,392     | 54,429     | 51,302     |
| Machinery and motor vehicles <sup>2</sup> | 194,187                 | 192,142    | 189,298    | 188,620    | 190,024    |
| Crops <sup>3</sup>                        | 21,297                  | 12,857     | 21,994     | 18,972     | 15,975     |
| Purchased inputs                          | 12,234                  | 9,458      | 8,722      | 3,075      | 3,676      |
| Financial                                 | 179,097                 | 200,240    | 199,564    | 212,277    | 220,649    |
| Farm debt                                 | 300,591                 | 295,626    | 289,397    | 238,827    | 258,350    |
| By purpose:                               |                         |            |            |            |            |
| Real estate                               | 121,501                 | 134,110    | 129,084    | 111,768    | 120,848    |
| Nonreal estate <sup>4</sup>               | 179,090                 | 161,516    | 160,313    | 127,059    | 137,502    |
| By lender:                                |                         |            |            |            |            |
| Farm Credit System                        | 127,104                 | 123,504    | 119,625    | 122,984    | 128,842    |
| Farm Service Agency <sup>5</sup>          | 36,282                  | 35,990     | 36,217     | 13,472     | 39,393     |
| Commercial banks                          | 75,956                  | 65,574     | 61,501     | 29,436     | 16,151     |
| Life insurance companies                  | 18,870                  | 25,544     | 24,193     | 22,677     | 20,731     |
| Individuals and others                    | 42,378                  | 45,016     | 47,860     | 50,259     | 53,234     |
| Equity                                    | 2,679,310               | 2,874,403  | 2,775,129  | 2,921,494  | 3,195,275  |
|   | <i>Percent</i>          |            |            |            |            |
| Ratio:                                    |                         |            |            |            |            |
| Debt/equity                               | 11.2                    | 10.3       | 10.4       | 8.2        | 8.1        |
| Debt/assets                               | 10.1                    | 9.3        | 9.4        | 7.6        | 7.5        |
| <b>Michigan</b>                           |                         |            |            |            |            |
|   | <i>Number</i>           |            |            |            |            |
| Farms                                     | 54,000                  | 52,000     | 52,000     | 54,000     | 53,000     |
|   | <i>Thousand dollars</i> |            |            |            |            |
| Farm assets                               | 15,541,887              | 16,130,498 | 16,856,386 | 18,119,851 | 19,149,247 |
| Real estate                               | 10,258,575              | 10,861,752 | 11,675,597 | 12,851,913 | 13,856,510 |
| Livestock and poultry <sup>1</sup>        | 1,043,525               | 1,067,272  | 987,250    | 874,614    | 870,322    |
| Machinery and motor vehicles <sup>2</sup> | 2,479,734               | 2,438,971  | 2,482,963  | 2,569,222  | 2,498,776  |
| Crops <sup>3</sup>                        | 795,680                 | 705,650    | 598,809    | 689,174    | 750,122    |
| Purchased inputs                          | 143,485                 | 126,853    | 162,510    | 107,366    | 142,481    |
| Financial                                 | 820,888                 | 930,000    | 949,257    | 1,027,562  | 1,031,036  |
| Farm debt                                 | 2,628,609               | 2,612,241  | 2,643,573  | 2,722,326  | 2,850,727  |
| By purpose:                               |                         |            |            |            |            |
| Real estate                               | 1,452,356               | 1,407,967  | 1,426,557  | 1,449,632  | 1,489,926  |
| Nonreal estate <sup>4</sup>               | 1,176,253               | 1,204,274  | 1,217,016  | 1,272,694  | 1,360,801  |
| By lender:                                |                         |            |            |            |            |
| Farm Credit System                        | 990,050                 | 998,850    | 1,020,730  | 1,107,541  | 1,220,393  |
| Farm Service Agency <sup>5</sup>          | 329,186                 | 287,732    | 269,307    | 239,591    | 200,508    |
| Commercial banks                          | 628,332                 | 611,224    | 610,920    | 608,155    | 633,304    |
| Life insurance companies                  | 66,332                  | 67,861     | 60,576     | 55,274     | 50,398     |
| Individuals and others                    | 614,618                 | 646,573    | 682,039    | 711,765    | 746,123    |
| Equity                                    | 12,913,278              | 13,518,257 | 14,212,813 | 15,397,525 | 16,298,520 |
|   | <i>Percent</i>          |            |            |            |            |
| Ratio:                                    |                         |            |            |            |            |
| Debt/equity                               | 20.4                    | 19.3       | 18.6       | 17.7       | 17.5       |
| Debt/assets                               | 16.9                    | 16.2       | 15.7       | 15.0       | 14.9       |

See footnotes at end of table.

Continued—

**Table 3-5—Farm business balance sheet, Minnesota and Mississippi, December 31, 1992-96—Continued**

| Item                                      | 1992       | 1993       | 1994          | 1995       | 1996       |
|---|------------|------------|---------------|------------|------------|
| <b>Minnesota</b>                          |            |            | <i>Number</i> |            |            |
| Farms                                     | 88,000     | 87,000     | 85,000        | 87,000     | 87,000     |
| <i>Thousand dollars</i>                   |            |            |               |            |            |
| Farm assets                               | 35,996,613 | 35,673,900 | 36,147,157    | 38,025,454 | 39,731,119 |
| Real estate                               | 23,943,481 | 23,794,938 | 24,127,250    | 25,246,082 | 26,901,563 |
| Livestock and poultry <sup>1</sup>        | 2,345,665  | 2,362,162  | 2,178,535     | 2,118,000  | 2,193,793  |
| Machinery and motor vehicles <sup>2</sup> | 5,130,180  | 5,180,375  | 5,152,576     | 5,254,916  | 5,207,262  |
| Crops <sup>3</sup>                        | 1,817,942  | 1,545,064  | 1,641,117     | 2,357,815  | 2,276,010  |
| Purchased inputs                          | 327,054    | 335,311    | 443,586       | 291,280    | 355,247    |
| Financial                                 | 2,432,291  | 2,456,050  | 2,604,093     | 2,757,361  | 2,797,244  |
| Farm debt                                 | 6,750,502  | 6,913,780  | 7,322,743     | 7,706,977  | 8,104,174  |
| By purpose:                               |            |            |               |            |            |
| Real estate                               | 3,530,090  | 3,633,747  | 3,768,459     | 3,890,662  | 4,017,053  |
| Nonreal estate <sup>4</sup>               | 3,220,412  | 3,280,033  | 3,554,284     | 3,816,315  | 4,087,121  |
| By lender:                                |            |            |               |            |            |
| Farm Credit System                        | 1,662,157  | 1,684,922  | 1,818,092     | 1,945,591  | 2,138,617  |
| Farm Service Agency <sup>5</sup>          | 474,504    | 424,796    | 426,896       | 395,114    | 346,193    |
| Commercial banks                          | 2,819,637  | 2,913,655  | 3,093,203     | 3,301,629  | 3,434,746  |
| Life insurance companies                  | 194,249    | 208,654    | 209,912       | 215,888    | 250,847    |
| Individuals and others                    | 1,599,667  | 1,681,754  | 1,774,639     | 1,848,754  | 1,933,772  |
| Equity                                    | 29,246,111 | 28,760,120 | 28,824,414    | 30,318,477 | 31,626,945 |
| <i>Percent</i>                            |            |            |               |            |            |
| Ratio:                                    |            |            |               |            |            |
| Debt/equity                               | 23.1       | 24.0       | 25.4          | 25.4       | 25.6       |
| Debt/assets                               | 18.8       | 19.4       | 20.3          | 20.3       | 20.4       |
| <b>Mississippi</b>                        |            |            | <i>Number</i> |            |            |
| Farms                                     | 39,000     | 39,000     | 39,000        | 42,000     | 44,000     |
| <i>Thousand dollars</i>                   |            |            |               |            |            |
| Farm assets                               | 11,860,179 | 12,577,986 | 13,078,870    | 13,099,253 | 13,654,155 |
| Real estate                               | 8,552,510  | 9,073,087  | 9,570,168     | 9,644,271  | 9,912,042  |
| Livestock and poultry <sup>1</sup>        | 809,317    | 851,794    | 729,935       | 598,352    | 557,203    |
| Machinery and motor vehicles <sup>2</sup> | 1,321,872  | 1,350,148  | 1,374,500     | 1,474,927  | 1,531,150  |
| Crops <sup>3</sup>                        | 207,580    | 224,134    | 193,551       | 230,154    | 509,154    |
| Purchased inputs                          | 30,056     | 30,888     | 40,615        | 26,564     | 31,846     |
| Financial                                 | 938,844    | 1,047,935  | 1,170,101     | 1,124,985  | 1,112,760  |
| Farm debt                                 | 2,320,855  | 2,318,754  | 2,420,884     | 2,502,693  | 2,389,478  |
| By purpose:                               |            |            |               |            |            |
| Real estate                               | 1,193,921  | 1,227,940  | 1,270,338     | 1,336,316  | 1,410,375  |
| Nonreal estate <sup>4</sup>               | 1,126,934  | 1,090,814  | 1,150,546     | 1,166,377  | 979,103    |
| By lender:                                |            |            |               |            |            |
| Farm Credit System                        | 356,025    | 306,978    | 367,796       | 408,881    | 435,208    |
| Farm Service Agency <sup>5</sup>          | 620,352    | 544,413    | 511,346       | 432,948    | 248,491    |
| Commercial banks                          | 772,344    | 868,707    | 925,332       | 1,013,605  | 1,037,361  |
| Life insurance companies                  | 232,863    | 239,865    | 236,737       | 248,874    | 247,451    |
| Individuals and others                    | 339,209    | 358,790    | 379,673       | 398,384    | 420,968    |
| Equity                                    | 9,539,324  | 10,259,232 | 10,657,986    | 10,596,560 | 11,264,677 |
| <i>Percent</i>                            |            |            |               |            |            |
| Ratio:                                    |            |            |               |            |            |
| Debt/equity                               | 24.3       | 22.6       | 22.7          | 23.6       | 21.2       |
| Debt/assets                               | 19.6       | 18.4       | 18.5          | 19.1       | 17.5       |

See footnotes at end of table.

Continued—

**Table 3-5—Farm business balance sheet, Missouri and Montana, December 31, 1992-96—Continued**

| Item                                      | 1992                    | 1993       | 1994       | 1995       | 1996       |
|---|-------------------------|------------|------------|------------|------------|
| <b>Missouri</b>                           |                         |            |            |            |            |
|   | <i>Number</i>           |            |            |            |            |
| Farms                                     | 107,000                 | 106,000    | 105,000    | 105,000    | 104,000    |
|   | <i>Thousand dollars</i> |            |            |            |            |
| Farm assets                               | 29,286,503              | 30,717,665 | 31,385,469 | 32,934,028 | 34,597,853 |
| Real estate                               | 20,335,606              | 21,318,862 | 22,243,309 | 24,083,244 | 25,572,781 |
| Livestock and poultry <sup>1</sup>        | 2,962,495               | 3,192,647  | 2,784,721  | 2,288,824  | 2,234,434  |
| Machinery and motor vehicles <sup>2</sup> | 3,228,343               | 3,266,584  | 3,294,130  | 3,282,327  | 3,221,584  |
| Crops <sup>3</sup>                        | 854,895                 | 839,189    | 876,467    | 975,343    | 1,159,153  |
| Purchased inputs                          | 110,555                 | 103,357    | 128,639    | 83,356     | 104,500    |
| Financial                                 | 1,794,609               | 1,997,026  | 2,058,203  | 2,220,934  | 2,305,401  |
| Farm debt                                 | 4,610,684               | 4,720,750  | 4,862,260  | 5,213,623  | 5,565,936  |
| By purpose:                               |                         |            |            |            |            |
| Real estate                               | 2,760,541               | 2,795,398  | 2,871,650  | 3,091,776  | 3,229,003  |
| Nonreal estate <sup>4</sup>               | 1,850,143               | 1,925,352  | 1,990,610  | 2,121,847  | 2,336,933  |
| By lender:                                |                         |            |            |            |            |
| Farm Credit System                        | 811,939                 | 835,078    | 846,801    | 1,015,085  | 1,069,561  |
| Farm Service Agency <sup>5</sup>          | 469,498                 | 399,898    | 367,885    | 328,857    | 388,308    |
| Commercial banks                          | 2,230,733               | 2,331,741  | 2,457,477  | 2,640,377  | 2,829,182  |
| Life insurance companies                  | 172,506                 | 180,833    | 164,387    | 159,749    | 159,296    |
| Individuals and others                    | 925,942                 | 973,200    | 1,025,712  | 1,069,557  | 1,119,588  |
| Equity                                    | 24,675,819              | 25,996,915 | 26,523,209 | 27,720,405 | 29,031,917 |
|   | <i>Percent</i>          |            |            |            |            |
| Ratio:                                    |                         |            |            |            |            |
| Debt/equity                               | 18.7                    | 18.2       | 18.3       | 18.8       | 19.2       |
| Debt/assets                               | 15.7                    | 15.4       | 15.5       | 15.8       | 16.1       |
| <b>Montana</b>                            |                         |            |            |            |            |
|   | <i>Number</i>           |            |            |            |            |
| Farms                                     | 24,300                  | 23,800     | 22,500     | 22,000     | 22,000     |
|   | <i>Thousand dollars</i> |            |            |            |            |
| Farm assets                               | 16,982,567              | 18,695,917 | 19,541,300 | 19,978,156 | 21,055,972 |
| Real estate                               | 12,526,463              | 13,889,196 | 15,009,468 | 15,701,548 | 16,543,081 |
| Livestock and poultry <sup>1</sup>        | 1,902,750               | 1,986,015  | 1,868,957  | 1,593,730  | 1,674,964  |
| Machinery and motor vehicles <sup>2</sup> | 1,347,034               | 1,348,451  | 1,297,790  | 1,264,403  | 1,252,937  |
| Crops <sup>3</sup>                        | 592,351                 | 819,584    | 664,887    | 746,050    | 873,231    |
| Purchased inputs                          | 74,321                  | 66,361     | 81,732     | 52,644     | 69,015     |
| Financial                                 | 539,648                 | 586,310    | 618,466    | 619,781    | 642,744    |
| Farm debt                                 | 2,456,709               | 2,446,680  | 2,616,143  | 2,567,735  | 2,610,255  |
| By purpose:                               |                         |            |            |            |            |
| Real estate                               | 1,570,267               | 1,547,089  | 1,618,410  | 1,561,011  | 1,608,435  |
| Nonreal estate <sup>4</sup>               | 886,442                 | 899,591    | 997,733    | 1,006,724  | 1,001,820  |
| By lender:                                |                         |            |            |            |            |
| Farm Credit System                        | 584,167                 | 510,068    | 557,058    | 471,567    | 467,425    |
| Farm Service Agency <sup>5</sup>          | 352,032                 | 316,684    | 298,597    | 266,169    | 222,268    |
| Commercial banks                          | 684,390                 | 753,106    | 852,530    | 894,441    | 930,233    |
| Life insurance companies                  | 171,705                 | 171,524    | 175,748    | 177,539    | 204,446    |
| Individuals and others                    | 664,370                 | 695,298    | 732,209    | 758,020    | 785,883    |
| Equity                                    | 14,525,858              | 16,249,237 | 16,925,157 | 17,410,421 | 18,445,717 |
|   | <i>Percent</i>          |            |            |            |            |
| Ratio:                                    |                         |            |            |            |            |
| Debt/equity                               | 16.9                    | 15.1       | 15.5       | 14.8       | 14.2       |
| Debt/assets                               | 14.5                    | 13.1       | 13.4       | 12.9       | 12.4       |

See footnotes at end of table.

Continued—

**Table 3-5—Farm business balance sheet, Nebraska and Nevada, December 31, 1992-96—Continued**

| Item                                      | 1992       | 1993       | 1994          | 1995       | 1996       |
|---|------------|------------|---------------|------------|------------|
| <b>Nebraska</b>                           |            |            | <i>Number</i> |            |            |
| Farms                                     | 56,000     | 55,000     | 55,000        | 56,000     | 56,000     |
| <i>Thousand dollars</i>                   |            |            |               |            |            |
| Farm assets                               | 33,138,381 | 35,420,050 | 36,153,838    | 37,552,295 | 40,718,695 |
| Real estate                               | 22,788,358 | 24,769,807 | 25,979,074    | 27,604,248 | 29,700,773 |
| Livestock and poultry <sup>1</sup>        | 4,305,743  | 4,518,090  | 3,927,265     | 3,493,540  | 4,044,215  |
| Machinery and motor vehicles <sup>2</sup> | 3,230,125  | 3,240,306  | 3,298,751     | 3,346,693  | 3,316,344  |
| Crops <sup>3</sup>                        | 1,537,723  | 1,480,803  | 1,462,543     | 1,597,031  | 2,061,558  |
| Purchased inputs                          | 192,046    | 181,225    | 244,897       | 172,192    | 231,251    |
| Financial                                 | 1,084,386  | 1,229,819  | 1,241,308     | 1,338,591  | 1,364,554  |
| Farm debt                                 | 6,869,488  | 7,257,649  | 7,469,855     | 7,700,842  | 8,111,378  |
| By purpose:                               |            |            |               |            |            |
| Real estate                               | 2,907,296  | 3,049,937  | 3,109,245     | 3,201,231  | 3,369,026  |
| Nonreal estate <sup>4</sup>               | 3,962,192  | 4,207,712  | 4,360,610     | 4,499,611  | 4,742,352  |
| By lender:                                |            |            |               |            |            |
| Farm Credit System                        | 1,086,304  | 1,179,933  | 1,087,144     | 1,108,729  | 1,222,298  |
| Farm Service Agency <sup>5</sup>          | 456,616    | 408,294    | 388,361       | 361,267    | 423,822    |
| Commercial banks                          | 3,576,091  | 3,847,198  | 4,090,311     | 4,216,537  | 4,325,565  |
| Life insurance companies                  | 291,001    | 275,283    | 263,124       | 292,442    | 318,892    |
| Individuals and others                    | 1,459,450  | 1,546,942  | 1,640,916     | 1,721,867  | 1,820,801  |
| Equity                                    | 26,268,893 | 28,162,401 | 28,683,983    | 29,851,453 | 32,607,317 |
| <i>Percent</i>                            |            |            |               |            |            |
| Ratio:                                    |            |            |               |            |            |
| Debt/equity                               | 26.2       | 25.8       | 26.0          | 25.8       | 24.9       |
| Debt/assets                               | 20.7       | 20.5       | 20.7          | 20.5       | 19.9       |
| <b>Nevada</b>                             |            |            | <i>Number</i> |            |            |
| Farms                                     | 2,500      | 2,400      | 2,400         | 2,500      | 2,500      |
| <i>Thousand dollars</i>                   |            |            |               |            |            |
| Farm assets                               | 2,531,251  | 2,626,523  | 2,738,981     | 3,012,154  | 3,181,241  |
| Real estate                               | 1,964,690  | 2,036,078  | 2,158,298     | 2,479,428  | 2,613,855  |
| Livestock and poultry <sup>1</sup>        | 309,520    | 310,774    | 296,537       | 261,705    | 279,712    |
| Machinery and motor vehicles <sup>2</sup> | 125,718    | 123,271    | 125,494       | 130,255    | 129,073    |
| Crops <sup>3</sup>                        | 35,506     | 54,492     | 48,799        | 59,271     | 77,037     |
| Purchased inputs                          | 10,395     | 8,110      | 8,091         | 2,961      | 2,917      |
| Financial                                 | 85,422     | 93,798     | 101,762       | 78,534     | 78,647     |
| Farm debt                                 | 232,829    | 230,922    | 235,642       | 236,270    | 229,648    |
| By purpose:                               |            |            |               |            |            |
| Real estate                               | 160,273    | 154,353    | 157,095       | 152,136    | 148,646    |
| Nonreal estate <sup>4</sup>               | 72,556     | 76,569     | 78,547        | 84,134     | 81,002     |
| By lender:                                |            |            |               |            |            |
| Farm Credit System                        | 95,271     | 95,400     | 97,066        | 98,984     | 100,394    |
| Farm Service Agency <sup>5</sup>          | 23,756     | 23,407     | 21,838        | 20,807     | 21,240     |
| Commercial banks                          | 15,569     | 14,368     | 23,398        | 17,509     | 11,435     |
| Life insurance companies                  | 27,390     | 23,535     | 15,235        | 17,891     | 12,069     |
| Individuals and others                    | 70,844     | 74,212     | 78,105        | 81,079     | 84,510     |
| Equity                                    | 2,298,422  | 2,395,601  | 2,503,339     | 2,775,884  | 2,951,593  |
| <i>Percent</i>                            |            |            |               |            |            |
| Ratio:                                    |            |            |               |            |            |
| Debt/equity                               | 10.1       | 9.6        | 9.4           | 8.5        | 7.8        |
| Debt/assets                               | 9.2        | 8.8        | 8.6           | 7.8        | 7.2        |

See footnotes at end of table.

Continued—

**Table 3-5—Farm business balance sheet, New Hampshire and New Jersey,  
December 31, 1992-96—Continued**

| Item                                      | 1992      | 1993      | 1994          | 1995      | 1996      |
|---|-----------|-----------|---------------|-----------|-----------|
| <b>New Hampshire</b>                      |           |           | <i>Number</i> |           |           |
| Farms                                     | 2,700     | 2,500     | 2,400         | 2,300     | 2,400     |
| <i>Thousand dollars</i>                   |           |           |               |           |           |
| Farm assets                               | 972,515   | 1,043,781 | 1,051,040     | 1,051,132 | 1,059,276 |
| Real estate                               | 819,658   | 893,310   | 903,119       | 915,256   | 923,066   |
| Livestock and poultry <sup>1</sup>        | 41,522    | 42,084    | 39,964        | 36,058    | 32,875    |
| Machinery and motor vehicles <sup>2</sup> | 77,883    | 73,656    | 71,985        | 68,739    | 71,077    |
| Crops <sup>3</sup>                        | 13,317    | 12,464    | 13,404        | 12,142    | 10,665    |
| Purchased inputs                          | 3,479     | 2,866     | 3,205         | 2,062     | 2,420     |
| Financial                                 | 16,656    | 19,401    | 19,363        | 16,875    | 19,173    |
| Farm debt                                 | 68,893    | 74,629    | 75,072        | 74,787    | 80,224    |
| By purpose:                               |           |           |               |           |           |
| Real estate                               | 32,525    | 40,344    | 40,170        | 38,414    | 37,031    |
| Nonreal estate <sup>4</sup>               | 36,368    | 34,285    | 34,902        | 36,373    | 43,193    |
| By lender:                                |           |           |               |           |           |
| Farm Credit System                        | 36,368    | 37,994    | 37,531        | 40,475    | 44,578    |
| Farm Service Agency <sup>5</sup>          | 12,520    | 11,981    | 11,892        | 7,341     | 8,152     |
| Commercial banks                          | 1,478     | 5,004     | 4,773         | 5,092     | 4,383     |
| Life insurance companies                  | 0         | 0         | 0             | 0         | 0         |
| Individuals and others                    | 18,528    | 19,651    | 20,875        | 21,879    | 23,111    |
| Equity                                    | 903,622   | 969,152   | 975,968       | 976,345   | 979,052   |
| <i>Percent</i>                            |           |           |               |           |           |
| Ratio:                                    |           |           |               |           |           |
| Debt/equity                               | 7.6       | 7.7       | 7.7           | 7.7       | 8.2       |
| Debt/assets                               | 7.1       | 7.2       | 7.1           | 7.1       | 7.6       |
| <b>New Jersey</b>                         |           |           | <i>Number</i> |           |           |
| Farms                                     | 9,000     | 8,900     | 8,900         | 9,000     | 9,200     |
| <i>Thousand dollars</i>                   |           |           |               |           |           |
| Farm assets                               | 6,045,109 | 6,286,328 | 6,649,502     | 6,664,928 | 6,680,566 |
| Real estate                               | 5,383,982 | 5,628,595 | 5,978,318     | 6,012,712 | 6,026,919 |
| Livestock and poultry <sup>1</sup>        | 68,590    | 63,804    | 61,548        | 63,606    | 63,171    |
| Machinery and motor vehicles <sup>2</sup> | 297,567   | 300,555   | 305,976       | 308,305   | 312,299   |
| Crops <sup>3</sup>                        | 22,134    | 24,791    | 34,377        | 31,585    | 22,637    |
| Purchased inputs                          | 14,358    | 13,608    | 17,827        | 11,771    | 14,932    |
| Financial                                 | 258,478   | 254,975   | 251,456       | 236,949   | 240,608   |
| Farm debt                                 | 458,435   | 459,528   | 416,984       | 417,617   | 531,556   |
| By purpose:                               |           |           |               |           |           |
| Real estate                               | 255,089   | 255,485   | 259,276       | 246,750   | 369,406   |
| Nonreal estate <sup>4</sup>               | 203,346   | 204,043   | 157,708       | 170,867   | 162,150   |
| By lender:                                |           |           |               |           |           |
| Farm Credit System                        | 221,700   | 207,370   | 193,430       | 199,993   | 328,920   |
| Farm Service Agency <sup>5</sup>          | 57,073    | 57,205    | 55,671        | 54,244    | 43,714    |
| Commercial banks                          | 70,769    | 80,534    | 41,632        | 37,441    | 27,228    |
| Life insurance companies                  | 189       | 87        | 5,554         | 244       | 242       |
| Individuals and others                    | 108,705   | 114,330   | 120,697       | 125,695   | 131,452   |
| Equity                                    | 5,586,674 | 5,826,800 | 6,232,518     | 6,247,311 | 6,149,010 |
| <i>Percent</i>                            |           |           |               |           |           |
| Ratio:                                    |           |           |               |           |           |
| Debt/equity                               | 8.2       | 7.9       | 6.7           | 6.7       | 8.6       |
| Debt/assets                               | 7.6       | 7.3       | 6.3           | 6.3       | 8.0       |

See footnotes at end of table.

Continued—

**Table 3-5—Farm business balance sheet, New Mexico and New York, December 31, 1992-96—Continued**

| Item                                      | 1992       | 1993       | 1994          | 1995       | 1996       |
|---|------------|------------|---------------|------------|------------|
| <b>New Mexico</b>                         |            |            | <i>Number</i> |            |            |
| Farms                                     | 13,500     | 13,500     | 13,500        | 13,500     | 13,500     |
| <i>Thousand dollars</i>                   |            |            |               |            |            |
| Farm assets                               | 9,927,084  | 10,564,549 | 11,236,836    | 12,390,436 | 13,210,747 |
| Real estate                               | 8,110,819  | 8,653,688  | 9,255,494     | 10,540,605 | 11,387,062 |
| Livestock and poultry <sup>1</sup>        | 921,866    | 964,307    | 1,000,591     | 843,160    | 842,527    |
| Machinery and motor vehicles <sup>2</sup> | 416,744    | 425,658    | 433,336       | 431,783    | 427,868    |
| Crops <sup>3</sup>                        | 64,779     | 76,334     | 74,120        | 85,508     | 100,232    |
| Purchased inputs                          | 27,104     | 22,100     | 26,197        | 15,328     | 14,020     |
| Financial                                 | 385,772    | 422,462    | 447,098       | 474,052    | 439,038    |
| Farm debt                                 | 1,051,323  | 1,106,121  | 1,123,745     | 1,181,455  | 1,271,649  |
| By purpose:                               |            |            |               |            |            |
| Real estate                               | 564,467    | 596,962    | 604,900       | 643,569    | 692,617    |
| Nonreal estate <sup>4</sup>               | 486,856    | 509,159    | 518,845       | 537,886    | 579,032    |
| By lender:                                |            |            |               |            |            |
| Farm Credit System                        | 312,313    | 341,758    | 338,799       | 370,979    | 428,564    |
| Farm Service Agency <sup>5</sup>          | 97,248     | 88,598     | 79,844        | 68,887     | 76,052     |
| Commercial banks                          | 309,646    | 327,907    | 336,530       | 357,543    | 360,986    |
| Life insurance companies                  | 59,739     | 59,844     | 63,384        | 64,900     | 69,970     |
| Individuals and others                    | 272,377    | 288,013    | 305,188       | 319,147    | 336,076    |
| Equity                                    | 8,875,761  | 9,458,428  | 10,113,091    | 11,208,981 | 11,939,098 |
| <i>Percent</i>                            |            |            |               |            |            |
| Ratio:                                    |            |            |               |            |            |
| Debt/equity                               | 11.8       | 11.7       | 11.1          | 10.5       | 10.7       |
| Debt/assets                               | 10.6       | 10.5       | 10.0          | 9.5        | 9.6        |
| <b>New York</b>                           |            |            | <i>Number</i> |            |            |
| Farms                                     | 38,000     | 37,500     | 36,000        | 36,000     | 36,000     |
| <i>Thousand dollars</i>                   |            |            |               |            |            |
| Farm assets                               | 13,002,669 | 13,671,023 | 13,204,321    | 12,710,307 | 13,167,075 |
| Real estate                               | 8,639,007  | 9,318,338  | 8,933,877     | 8,663,626  | 9,034,089  |
| Livestock and poultry <sup>1</sup>        | 1,302,578  | 1,294,011  | 1,242,328     | 1,138,456  | 1,176,170  |
| Machinery and motor vehicles <sup>2</sup> | 1,830,935  | 1,845,494  | 1,803,630     | 1,797,167  | 1,780,869  |
| Crops <sup>3</sup>                        | 438,990    | 379,945    | 385,259       | 352,413    | 382,768    |
| Purchased inputs                          | 91,719     | 87,507     | 121,781       | 87,538     | 118,597    |
| Financial                                 | 699,440    | 745,728    | 717,446       | 671,107    | 674,582    |
| Farm debt                                 | 2,109,784  | 2,138,236  | 2,156,326     | 2,177,559  | 2,111,962  |
| By purpose:                               |            |            |               |            |            |
| Real estate                               | 882,516    | 884,852    | 885,064       | 859,827    | 842,783    |
| Nonreal estate <sup>4</sup>               | 1,227,268  | 1,253,384  | 1,271,262     | 1,317,732  | 1,269,179  |
| By lender:                                |            |            |               |            |            |
| Farm Credit System                        | 797,052    | 832,457    | 819,435       | 828,330    | 841,541    |
| Farm Service Agency <sup>5</sup>          | 331,836    | 322,382    | 320,987       | 293,245    | 218,718    |
| Commercial banks                          | 520,910    | 498,904    | 504,302       | 520,958    | 484,830    |
| Life insurance companies                  | 5,587      | 4,634      | 3,919         | 3,581      | 7,136      |
| Individuals and others                    | 454,368    | 479,859    | 507,684       | 531,444    | 559,737    |
| Equity                                    | 10,892,885 | 11,532,787 | 11,047,995    | 10,532,748 | 11,055,113 |
| <i>Percent</i>                            |            |            |               |            |            |
| Ratio:                                    |            |            |               |            |            |
| Debt/equity                               | 19.4       | 18.5       | 19.5          | 20.7       | 19.1       |
| Debt/assets                               | 16.2       | 15.6       | 16.3          | 17.1       | 16.0       |

See footnotes at end of table.

Continued—



**Table 3-5—Farm business balance sheet, North Carolina and North Dakota,  
December 31, 1992-96—Continued**

| Item                                      | 1992       | 1993       | 1994          | 1995       | 1996       |
|---|------------|------------|---------------|------------|------------|
| <b>North Carolina</b>                     |            |            | <i>Number</i> |            |            |
| Farms                                     | 60,000     | 59,000     | 58,000        | 58,000     | 58,000     |
| <i>Thousand dollars</i>                   |            |            |               |            |            |
| Farm assets                               | 16,943,656 | 17,217,490 | 18,367,036    | 20,194,265 | 20,788,910 |
| Real estate                               | 12,573,454 | 12,709,292 | 13,640,594    | 15,373,708 | 15,650,238 |
| Livestock and poultry <sup>1</sup>        | 915,452    | 996,650    | 1,028,954     | 1,154,445  | 1,409,392  |
| Machinery and motor vehicles <sup>2</sup> | 1,925,297  | 1,933,716  | 1,935,229     | 1,928,294  | 1,910,808  |
| Crops <sup>3</sup>                        | 318,703    | 249,229    | 329,661       | 345,181    | 382,310    |
| Purchased inputs                          | 39,621     | 39,064     | 54,970        | 38,749     | 53,125     |
| Financial                                 | 1,171,129  | 1,289,539  | 1,377,628     | 1,353,888  | 1,383,037  |
| Farm debt                                 | 2,643,837  | 2,696,650  | 2,976,567     | 3,280,159  | 3,468,200  |
| By purpose:                               |            |            |               |            |            |
| Real estate                               | 1,395,122  | 1,326,848  | 1,360,749     | 1,417,552  | 1,423,986  |
| Nonreal estate <sup>4</sup>               | 1,248,715  | 1,369,802  | 1,615,818     | 1,862,607  | 2,044,214  |
| By lender:                                |            |            |               |            |            |
| Farm Credit System                        | 1,090,926  | 1,060,544  | 1,155,589     | 1,361,650  | 1,449,957  |
| Farm Service Agency <sup>5</sup>          | 282,361    | 243,906    | 218,365       | 181,358    | 199,274    |
| Commercial banks                          | 665,173    | 746,116    | 935,732       | 1,034,166  | 1,060,586  |
| Life insurance companies                  | 76,790     | 83,246     | 67,897        | 71,908     | 87,054     |
| Individuals and others                    | 528,587    | 562,837    | 598,985       | 631,077    | 671,328    |
| Equity                                    | 14,299,819 | 14,520,840 | 15,390,469    | 16,914,106 | 17,320,710 |
| <i>Percent</i>                            |            |            |               |            |            |
| Ratio:                                    |            |            |               |            |            |
| Debt/equity                               | 18.5       | 18.6       | 19.3          | 19.4       | 20.0       |
| Debt/assets                               | 15.6       | 15.7       | 16.2          | 16.2       | 16.7       |
| <b>North Dakota</b>                       |            |            | <i>Number</i> |            |            |
| Farms                                     | 33,000     | 32,500     | 32,000        | 32,000     | 31,000     |
| <i>Thousand dollars</i>                   |            |            |               |            |            |
| Farm assets                               | 19,479,026 | 20,440,989 | 21,057,529    | 21,329,442 | 22,307,756 |
| Real estate                               | 12,794,200 | 13,407,700 | 14,024,122    | 14,428,930 | 15,407,786 |
| Livestock and poultry <sup>1</sup>        | 1,357,021  | 1,452,995  | 1,320,167     | 1,097,512  | 1,170,413  |
| Machinery and motor vehicles <sup>2</sup> | 2,403,843  | 2,418,062  | 2,423,805     | 2,415,119  | 2,318,430  |
| Crops <sup>3</sup>                        | 1,206,752  | 1,217,179  | 1,219,752     | 1,320,432  | 1,249,058  |
| Purchased inputs                          | 130,082    | 124,597    | 158,787       | 106,716    | 135,402    |
| Financial                                 | 1,587,128  | 1,820,456  | 1,910,896     | 1,960,733  | 2,026,667  |
| Farm debt                                 | 3,274,051  | 3,442,767  | 3,609,859     | 3,720,574  | 3,880,898  |
| By purpose:                               |            |            |               |            |            |
| Real estate                               | 1,617,458  | 1,601,548  | 1,624,606     | 1,639,848  | 1,658,896  |
| Nonreal estate <sup>4</sup>               | 1,656,593  | 1,841,219  | 1,985,253     | 2,080,726  | 2,222,002  |
| By lender:                                |            |            |               |            |            |
| Farm Credit System                        | 1,015,967  | 1,128,797  | 1,099,010     | 1,120,439  | 1,177,498  |
| Farm Service Agency <sup>5</sup>          | 605,414    | 529,485    | 493,435       | 459,714    | 391,097    |
| Commercial banks                          | 1,120,953  | 1,224,565  | 1,431,230     | 1,528,230  | 1,666,826  |
| Life insurance companies                  | 29,569     | 30,432     | 26,070        | 27,879     | 32,723     |
| Individuals and others                    | 502,104    | 529,489    | 560,114       | 584,311    | 612,754    |
| Equity                                    | 16,204,975 | 16,998,222 | 17,447,670    | 17,608,868 | 18,426,858 |
| <i>Percent</i>                            |            |            |               |            |            |
| Ratio:                                    |            |            |               |            |            |
| Debt/equity                               | 20.2       | 20.3       | 20.7          | 21.1       | 21.1       |
| Debt/assets                               | 16.8       | 16.8       | 17.1          | 17.4       | 17.4       |

See footnotes at end of table.

Continued—

**Table 3-5—Farm business balance sheet, Ohio and Oklahoma, December 31, 1992-96—Continued**

| Item                                      | 1992                    | 1993       | 1994       | 1995       | 1996       |
|---|-------------------------|------------|------------|------------|------------|
| <b>Ohio</b>                               |                         |            |            |            |            |
|   | <i>Number</i>           |            |            |            |            |
| Farms                                     | 78,000                  | 76,000     | 75,000     | 74,000     | 72,000     |
|   | <i>Thousand dollars</i> |            |            |            |            |
| Farm assets                               | 26,142,871              | 27,570,884 | 30,033,456 | 32,141,613 | 34,036,724 |
| Real estate                               | 19,068,739              | 20,570,382 | 22,996,867 | 25,365,968 | 26,909,096 |
| Livestock and poultry <sup>1</sup>        | 1,218,288               | 1,262,945  | 1,150,434  | 1,059,297  | 1,087,747  |
| Machinery and motor vehicles <sup>2</sup> | 3,186,995               | 3,171,701  | 3,186,424  | 3,132,673  | 3,020,365  |
| Crops <sup>3</sup>                        | 978,577                 | 849,835    | 881,501    | 949,781    | 1,116,458  |
| Purchased inputs                          | 121,749                 | 128,653    | 190,516    | 137,552    | 190,174    |
| Financial                                 | 1,568,523               | 1,587,368  | 1,627,714  | 1,496,342  | 1,712,884  |
| Farm debt                                 | 3,178,025               | 3,070,660  | 3,340,407  | 3,442,698  | 3,775,302  |
| By purpose:                               |                         |            |            |            |            |
| Real estate                               | 1,951,564               | 1,911,637  | 2,030,735  | 2,057,571  | 2,152,608  |
| Nonreal estate <sup>4</sup>               | 1,226,461               | 1,159,023  | 1,309,672  | 1,385,127  | 1,622,694  |
| By lender:                                |                         |            |            |            |            |
| Farm Credit System                        | 955,024                 | 843,429    | 1,049,695  | 1,082,863  | 1,221,328  |
| Farm Service Agency <sup>5</sup>          | 254,289                 | 217,688    | 191,815    | 162,363    | 181,710    |
| Commercial banks                          | 1,123,249               | 1,133,723  | 1,197,511  | 1,253,589  | 1,378,839  |
| Life insurance companies                  | 112,628                 | 103,627    | 84,417     | 89,776     | 95,820     |
| Individuals and others                    | 732,834                 | 772,192    | 816,969    | 854,106    | 897,605    |
| Equity                                    | 22,964,846              | 24,500,224 | 26,693,049 | 28,698,915 | 30,261,422 |
|   | <i>Percent</i>          |            |            |            |            |
| Ratio:                                    |                         |            |            |            |            |
| Debt/equity                               | 13.8                    | 12.5       | 12.5       | 12.0       | 12.5       |
| Debt/assets                               | 12.2                    | 11.1       | 11.1       | 10.7       | 11.1       |
| <b>Oklahoma</b>                           |                         |            |            |            |            |
|   | <i>Number</i>           |            |            |            |            |
| Farms                                     | 71,000                  | 70,500     | 70,000     | 71,000     | 72,000     |
|   | <i>Thousand dollars</i> |            |            |            |            |
| Farm assets                               | 21,132,245              | 21,740,708 | 22,412,195 | 21,612,969 | 22,670,447 |
| Real estate                               | 14,744,140              | 15,158,661 | 15,736,991 | 15,820,635 | 16,485,853 |
| Livestock and poultry <sup>1</sup>        | 3,062,805               | 3,063,906  | 3,108,119  | 2,268,865  | 2,548,743  |
| Machinery and motor vehicles <sup>2</sup> | 1,892,612               | 1,919,483  | 1,940,246  | 1,960,912  | 1,970,498  |
| Crops <sup>3</sup>                        | 284,997                 | 321,243    | 291,827    | 301,787    | 486,551    |
| Purchased inputs                          | 57,758                  | 62,406     | 88,809     | 62,728     | 77,702     |
| Financial                                 | 1,089,933               | 1,215,009  | 1,246,203  | 1,198,042  | 1,101,100  |
| Farm debt                                 | 3,618,618               | 3,724,462  | 3,893,694  | 3,851,883  | 3,992,693  |
| By purpose:                               |                         |            |            |            |            |
| Real estate                               | 1,627,385               | 1,608,064  | 1,659,349  | 1,755,250  | 1,882,230  |
| Nonreal estate <sup>4</sup>               | 1,991,233               | 2,116,398  | 2,234,345  | 2,096,633  | 2,110,463  |
| By lender:                                |                         |            |            |            |            |
| Farm Credit System                        | 705,812                 | 659,591    | 663,858    | 666,494    | 754,796    |
| Farm Service Agency <sup>5</sup>          | 552,645                 | 490,084    | 460,687    | 420,113    | 379,647    |
| Commercial banks                          | 1,635,941               | 1,819,571  | 1,974,726  | 1,893,522  | 1,922,861  |
| Life insurance companies                  | 89,779                  | 86,200     | 87,753     | 132,358    | 157,536    |
| Individuals and others                    | 634,440                 | 669,017    | 706,670    | 739,396    | 777,854    |
| Equity                                    | 17,513,627              | 18,016,246 | 18,518,501 | 17,761,086 | 18,677,754 |
|   | <i>Percent</i>          |            |            |            |            |
| Ratio:                                    |                         |            |            |            |            |
| Debt/equity                               | 20.7                    | 20.7       | 21.0       | 21.7       | 21.4       |
| Debt/assets                               | 17.1                    | 17.1       | 17.4       | 17.8       | 17.6       |

See footnotes at end of table.

Continued—

**Table 3-5—Farm business balance sheet, Oregon and Pennsylvania, December 31, 1992-96—Continued**

| Item                                      | 1992                    | 1993       | 1994       | 1995       | 1996       |
|---|-------------------------|------------|------------|------------|------------|
| <b>Oregon</b>                             |                         |            |            |            |            |
|   | <i>Number</i>           |            |            |            |            |
| Farms                                     | 37,500                  | 37,500     | 38,000     | 38,500     | 38,500     |
|   | <i>Thousand dollars</i> |            |            |            |            |
| Farm assets                               | 13,386,676              | 14,640,485 | 15,923,661 | 17,116,865 | 18,182,458 |
| Real estate                               | 9,851,046               | 10,914,669 | 12,185,926 | 13,481,324 | 14,527,289 |
| Livestock and poultry <sup>1</sup>        | 938,663                 | 1,010,309  | 957,727    | 789,986    | 793,981    |
| Machinery and motor vehicles <sup>2</sup> | 1,509,083               | 1,541,363  | 1,590,087  | 1,605,237  | 1,590,680  |
| Crops <sup>3</sup>                        | 240,618                 | 286,557    | 250,975    | 339,807    | 360,664    |
| Purchased inputs                          | 87,225                  | 81,494     | 96,676     | 52,340     | 59,768     |
| Financial                                 | 760,041                 | 806,093    | 842,270    | 848,171    | 850,076    |
| Farm debt                                 | 2,341,865               | 2,127,639  | 2,165,546  | 2,189,651  | 2,184,210  |
| By purpose:                               |                         |            |            |            |            |
| Real estate                               | 1,569,676               | 1,308,065  | 1,346,381  | 1,344,779  | 1,313,702  |
| Nonreal estate <sup>4</sup>               | 772,189                 | 819,574    | 819,165    | 844,872    | 870,508    |
| By lender:                                |                         |            |            |            |            |
| Farm Credit System                        | 639,190                 | 555,562    | 527,066    | 491,580    | 502,477    |
| Farm Service Agency <sup>5</sup>          | 166,620                 | 149,596    | 144,268    | 127,502    | 130,071    |
| Commercial banks                          | 470,383                 | 568,470    | 538,448    | 577,642    | 538,636    |
| Life insurance companies                  | 391,720                 | 150,155    | 214,667    | 223,873    | 214,263    |
| Individuals and others                    | 673,950                 | 703,855    | 741,098    | 769,055    | 798,765    |
| Equity                                    | 11,044,811              | 12,512,846 | 13,758,115 | 14,927,214 | 15,998,248 |
|   | <i>Percent</i>          |            |            |            |            |
| Ratio:                                    |                         |            |            |            |            |
| Debt/equity                               | 21.2                    | 17.0       | 15.7       | 14.7       | 13.7       |
| Debt/assets                               | 17.5                    | 14.5       | 13.6       | 12.8       | 12.0       |
| <b>Pennsylvania</b>                       |                         |            |            |            |            |
|   | <i>Number</i>           |            |            |            |            |
| Farms                                     | 52,000                  | 51,000     | 51,000     | 50,000     | 50,000     |
|   | <i>Thousand dollars</i> |            |            |            |            |
| Farm assets                               | 19,216,389              | 20,166,978 | 20,294,880 | 21,141,007 | 22,078,631 |
| Real estate                               | 13,912,855              | 14,847,733 | 15,029,183 | 16,155,911 | 16,962,094 |
| Livestock and poultry <sup>1</sup>        | 1,580,935               | 1,579,770  | 1,507,541  | 1,400,880  | 1,425,526  |
| Machinery and motor vehicles <sup>2</sup> | 2,142,932               | 2,146,679  | 2,185,399  | 2,134,871  | 2,115,511  |
| Crops <sup>3</sup>                        | 638,019                 | 609,312    | 549,178    | 553,534    | 641,343    |
| Purchased inputs                          | 115,180                 | 109,758    | 141,586    | 88,717     | 110,592    |
| Financial                                 | 826,468                 | 873,726    | 881,993    | 807,094    | 823,565    |
| Farm debt                                 | 2,409,071               | 2,431,320  | 2,468,509  | 2,496,118  | 2,530,714  |
| By purpose:                               |                         |            |            |            |            |
| Real estate                               | 1,376,662               | 1,386,951  | 1,409,307  | 1,433,865  | 1,433,888  |
| Nonreal estate <sup>4</sup>               | 1,032,409               | 1,044,369  | 1,059,202  | 1,062,253  | 1,096,826  |
| By lender:                                |                         |            |            |            |            |
| Farm Credit System                        | 899,632                 | 868,240    | 839,961    | 815,792    | 810,254    |
| Farm Service Agency <sup>5</sup>          | 224,136                 | 213,666    | 206,749    | 191,354    | 158,977    |
| Commercial banks                          | 750,570                 | 785,150    | 825,986    | 864,865    | 906,869    |
| Life insurance companies                  | 9,376                   | 8,025      | 6,464      | 5,585      | 683        |
| Individuals and others                    | 525,357                 | 556,239    | 589,349    | 618,521    | 653,930    |
| Equity                                    | 16,807,318              | 17,735,658 | 17,826,371 | 18,644,889 | 19,547,917 |
|   | <i>Percent</i>          |            |            |            |            |
| Ratio:                                    |                         |            |            |            |            |
| Debt/equity                               | 14.3                    | 13.7       | 13.9       | 13.4       | 13.0       |
| Debt/assets                               | 12.5                    | 12.1       | 12.2       | 11.8       | 11.5       |

See footnotes at end of table.

Continued—

**Table 3-5—Farm business balance sheet, Rhode Island and South Carolina,  
December 31, 1992-96—Continued**

| Item                                      | 1992                    | 1993      | 1994      | 1995      | 1996      |
|---|-------------------------|-----------|-----------|-----------|-----------|
| <b>Rhode Island</b>                       |                         |           |           |           |           |
|   | <i>Number</i>           |           |           |           |           |
| Farms                                     | 700                     | 700       | 700       | 700       | 700       |
|   | <i>Thousand dollars</i> |           |           |           |           |
| Farm assets                               | 374,199                 | 408,480   | 416,415   | 425,326   | 460,153   |
| Real estate                               | 330,937                 | 360,718   | 364,707   | 378,200   | 414,739   |
| Livestock and poultry <sup>1</sup>        | 5,730                   | 5,988     | 6,189     | 6,168     | 5,261     |
| Machinery and motor vehicles <sup>2</sup> | 22,033                  | 22,504    | 22,910    | 22,828    | 22,621    |
| Crops <sup>3</sup>                        | 1,412                   | 1,125     | 1,673     | 1,166     | 946       |
| Purchased inputs                          | 715                     | 905       | 1,173     | 747       | 699       |
| Financial                                 | 13,372                  | 17,240    | 19,763    | 16,217    | 15,887    |
| Farm debt                                 | 38,140                  | 39,687    | 38,877    | 61,119    | 35,411    |
| By purpose:                               |                         |           |           |           |           |
| Real estate                               | 14,754                  | 18,415    | 18,613    | 31,349    | 15,745    |
| Nonreal estate <sup>4</sup>               | 23,386                  | 21,272    | 20,264    | 29,770    | 19,666    |
| By lender:                                |                         |           |           |           |           |
| Farm Credit System                        | 27,136                  | 28,368    | 27,202    | 26,746    | 24,154    |
| Farm Service Agency <sup>5</sup>          | 4,508                   | 4,607     | 4,677     | 27,714    | 5,110     |
| Commercial banks                          | 1,729                   | 1,640     | 1,600     | 976       | 110       |
| Life insurance companies                  | 0                       | 0         | 0         | 0         | 0         |
| Individuals and others                    | 4,767                   | 5,072     | 5,398     | 5,681     | 6,037     |
| Equity                                    | 336,059                 | 368,793   | 377,538   | 364,207   | 424,742   |
|   | <i>Percent</i>          |           |           |           |           |
| Ratio:                                    |                         |           |           |           |           |
| Debt/equity                               | 11.4                    | 10.8      | 10.3      | 16.8      | 8.3       |
| Debt/assets                               | 10.2                    | 9.7       | 9.3       | 14.4      | 7.7       |
| <b>South Carolina</b>                     |                         |           |           |           |           |
|   | <i>Number</i>           |           |           |           |           |
| Farms                                     | 24,500                  | 24,000    | 23,000    | 22,000    | 21,500    |
|   | <i>Thousand dollars</i> |           |           |           |           |
| Farm assets                               | 6,924,165               | 7,080,948 | 7,505,869 | 7,549,399 | 7,684,559 |
| Real estate                               | 5,024,769               | 5,194,079 | 5,629,613 | 5,710,244 | 5,865,255 |
| Livestock and poultry <sup>1</sup>        | 388,554                 | 397,397   | 308,044   | 257,250   | 257,126   |
| Machinery and motor vehicles <sup>2</sup> | 676,269                 | 676,639   | 660,142   | 629,177   | 609,302   |
| Crops <sup>3</sup>                        | 73,572                  | 30,954    | 82,086    | 102,902   | 86,317    |
| Purchased inputs                          | 47,930                  | 34,035    | 29,648    | 15,836    | 21,432    |
| Financial                                 | 713,071                 | 747,844   | 796,336   | 833,990   | 845,127   |
| Farm debt                                 | 879,973                 | 834,861   | 849,773   | 844,195   | 862,002   |
| By purpose:                               |                         |           |           |           |           |
| Real estate                               | 496,384                 | 412,336   | 408,154   | 377,059   | 373,042   |
| Nonreal estate <sup>4</sup>               | 383,589                 | 422,525   | 441,619   | 467,136   | 488,960   |
| By lender:                                |                         |           |           |           |           |
| Farm Credit System                        | 390,529                 | 357,847   | 368,078   | 406,481   | 437,248   |
| Farm Service Agency <sup>5</sup>          | 182,629                 | 165,886   | 162,881   | 132,733   | 92,298    |
| Commercial banks                          | 142,202                 | 140,234   | 139,713   | 120,967   | 134,932   |
| Life insurance companies                  | 11,985                  | 9,040     | 7,352     | 3,315     | 5,845     |
| Individuals and others                    | 152,602                 | 161,852   | 171,750   | 180,700   | 191,678   |
| Equity                                    | 6,044,192               | 6,246,087 | 6,656,096 | 6,705,204 | 6,822,557 |
|   | <i>Percent</i>          |           |           |           |           |
| Ratio:                                    |                         |           |           |           |           |
| Debt/equity                               | 14.6                    | 13.4      | 12.8      | 12.6      | 12.6      |
| Debt/assets                               | 12.7                    | 11.8      | 11.3      | 11.2      | 11.2      |

See footnotes at end of table.

Continued—

**Table 3-5—Farm business balance sheet, South Dakota and Tennessee, December 31, 1992-96—Continued**

| Item                                      | 1992                    | 1993       | 1994       | 1995       | 1996       |
|---|-------------------------|------------|------------|------------|------------|
| <b>South Dakota</b>                       |                         |            |            |            |            |
|   | <i>Number</i>           |            |            |            |            |
| Farms                                     | 35,000                  | 34,500     | 34,000     | 33,000     | 32,500     |
|   | <i>Thousand dollars</i> |            |            |            |            |
| Farm assets                               | 18,075,964              | 18,659,383 | 18,837,859 | 19,215,583 | 20,041,811 |
| Real estate                               | 11,181,444              | 11,619,128 | 12,080,232 | 12,795,764 | 13,036,437 |
| Livestock and poultry <sup>1</sup>        | 2,830,896               | 2,869,091  | 2,572,970  | 2,180,838  | 2,415,659  |
| Machinery and motor vehicles <sup>2</sup> | 2,058,989               | 2,072,989  | 2,079,794  | 2,011,391  | 1,962,951  |
| Crops <sup>3</sup>                        | 1,090,286               | 1,130,873  | 1,049,794  | 1,156,174  | 1,462,350  |
| Purchased inputs                          | 112,728                 | 106,116    | 156,930    | 115,964    | 163,071    |
| Financial                                 | 801,621                 | 861,186    | 898,139    | 955,452    | 1,001,343  |
| Farm debt                                 | 3,434,616               | 3,578,158  | 3,672,647  | 3,714,495  | 3,799,784  |
| By purpose:                               |                         |            |            |            |            |
| Real estate                               | 1,426,280               | 1,478,226  | 1,500,636  | 1,577,595  | 1,617,696  |
| Nonreal estate <sup>4</sup>               | 2,008,336               | 2,099,932  | 2,172,011  | 2,136,900  | 2,182,088  |
| By lender:                                |                         |            |            |            |            |
| Farm Credit System                        | 662,719                 | 695,500    | 659,801    | 667,866    | 683,329    |
| Farm Service Agency <sup>5</sup>          | 619,072                 | 561,428    | 530,908    | 487,007    | 468,791    |
| Commercial banks                          | 1,513,065               | 1,643,959  | 1,766,256  | 1,796,158  | 1,842,831  |
| Life insurance companies                  | 45,372                  | 51,121     | 53,924     | 73,014     | 80,829     |
| Individuals and others                    | 594,234                 | 626,150    | 661,757    | 690,451    | 724,003    |
| Equity                                    | 14,641,348              | 15,081,225 | 15,165,212 | 15,501,088 | 16,242,027 |
|   | <i>Percent</i>          |            |            |            |            |
| Ratio:                                    |                         |            |            |            |            |
| Debt/equity                               | 23.5                    | 23.7       | 24.2       | 24.0       | 23.4       |
| Debt/assets                               | 19.0                    | 19.2       | 19.5       | 19.3       | 19.0       |
| <b>Tennessee</b>                          |                         |            |            |            |            |
|   | <i>Number</i>           |            |            |            |            |
| Farms                                     | 85,000                  | 84,000     | 83,000     | 81,000     | 80,000     |
|   | <i>Thousand dollars</i> |            |            |            |            |
| Farm assets                               | 17,106,672              | 17,175,451 | 18,104,528 | 19,566,751 | 20,638,390 |
| Real estate                               | 12,396,076              | 12,311,857 | 13,130,271 | 14,747,640 | 15,946,006 |
| Livestock and poultry <sup>1</sup>        | 1,297,476               | 1,383,456  | 1,385,680  | 1,113,825  | 930,963    |
| Machinery and motor vehicles <sup>2</sup> | 1,810,203               | 1,827,172  | 1,837,985  | 1,787,269  | 1,749,196  |
| Crops <sup>3</sup>                        | 304,529                 | 273,146    | 281,057    | 370,700    | 422,031    |
| Purchased inputs                          | 45,902                  | 42,197     | 54,420     | 36,558     | 48,863     |
| Financial                                 | 1,252,486               | 1,337,623  | 1,415,115  | 1,510,759  | 1,541,331  |
| Farm debt                                 | 1,990,926               | 1,839,125  | 2,000,199  | 2,077,646  | 2,152,146  |
| By purpose:                               |                         |            |            |            |            |
| Real estate                               | 1,063,073               | 1,065,339  | 1,123,285  | 1,155,532  | 1,196,087  |
| Nonreal estate <sup>4</sup>               | 927,853                 | 773,786    | 876,914    | 922,114    | 956,059    |
| By lender:                                |                         |            |            |            |            |
| Farm Credit System                        | 638,507                 | 451,983    | 592,704    | 623,952    | 684,866    |
| Farm Service Agency <sup>5</sup>          | 317,205                 | 272,880    | 250,009    | 212,117    | 209,073    |
| Commercial banks                          | 651,000                 | 706,677    | 726,390    | 789,964    | 781,778    |
| Life insurance companies                  | 24,335                  | 25,842     | 25,572     | 26,188     | 26,463     |
| Individuals and others                    | 359,837                 | 381,743    | 405,523    | 425,424    | 449,967    |
| Equity                                    | 15,115,746              | 15,336,326 | 16,104,329 | 17,489,105 | 18,486,244 |
|   | <i>Percent</i>          |            |            |            |            |
| Ratio:                                    |                         |            |            |            |            |
| Debt/equity                               | 13.2                    | 12.0       | 12.4       | 11.9       | 11.6       |
| Debt/assets                               | 11.6                    | 10.7       | 11.1       | 10.6       | 10.4       |

See footnotes at end of table.

Continued—

**Table 3-5—Farm business balance sheet, Texas and Utah, December 31, 1992-96—Continued**

| Item                                      | 1992                    | 1993       | 1994       | 1995       | 1996       |
|---|-------------------------|------------|------------|------------|------------|
| <b>Texas</b>                              |                         |            |            |            |            |
|   | <i>Number</i>           |            |            |            |            |
| Farms                                     | 198,000                 | 200,000    | 200,000    | 202,000    | 205,000    |
|   | <i>Thousand dollars</i> |            |            |            |            |
| Farm assets                               | 77,477,105              | 79,573,796 | 81,915,592 | 80,827,646 | 85,848,897 |
| Real estate                               | 58,699,536              | 60,316,226 | 62,704,251 | 63,766,894 | 68,661,940 |
| Livestock and poultry <sup>1</sup>        | 8,982,695               | 8,986,380  | 8,703,010  | 6,416,700  | 6,411,280  |
| Machinery and motor vehicles <sup>2</sup> | 5,486,676               | 5,660,647  | 5,762,749  | 5,799,520  | 5,832,278  |
| Crops <sup>3</sup>                        | 623,603                 | 547,303    | 630,065    | 732,019    | 832,952    |
| Purchased inputs                          | 170,038                 | 150,984    | 194,158    | 123,823    | 158,564    |
| Financial                                 | 3,514,557               | 3,912,256  | 3,921,359  | 3,988,690  | 3,951,883  |
| Farm debt                                 | 9,373,328               | 9,713,132  | 9,919,578  | 10,159,173 | 9,960,056  |
| By purpose:                               |                         |            |            |            |            |
| Real estate                               | 4,545,396               | 4,503,279  | 4,533,595  | 4,689,786  | 4,901,996  |
| Nonreal estate <sup>4</sup>               | 4,827,932               | 5,209,853  | 5,385,983  | 5,469,387  | 5,058,060  |
| By lender:                                |                         |            |            |            |            |
| Farm Credit System                        | 2,570,016               | 2,542,150  | 2,461,588  | 2,568,448  | 2,623,056  |
| Farm Service Agency <sup>5</sup>          | 967,919                 | 890,223    | 876,589    | 768,673    | 484,239    |
| Commercial banks                          | 3,384,182               | 3,734,060  | 3,919,674  | 4,056,700  | 3,904,670  |
| Life insurance companies                  | 429,360                 | 410,293    | 400,561    | 397,337    | 452,383    |
| Individuals and others                    | 2,021,827               | 2,136,406  | 2,261,166  | 2,368,015  | 2,495,708  |
| Equity                                    | 68,103,777              | 69,860,664 | 71,996,014 | 70,668,473 | 75,888,841 |
|   | <i>Percent</i>          |            |            |            |            |
| Ratio:                                    |                         |            |            |            |            |
| Debt/equity                               | 13.8                    | 13.9       | 13.8       | 14.4       | 13.1       |
| Debt/assets                               | 12.1                    | 12.2       | 12.1       | 12.6       | 11.6       |
| <b>Utah</b>                               |                         |            |            |            |            |
|   | <i>Number</i>           |            |            |            |            |
| Farms                                     | 13,200                  | 13,000     | 13,000     | 13,400     | 13,400     |
|   | <i>Thousand dollars</i> |            |            |            |            |
| Farm assets                               | 6,065,384               | 6,410,792  | 7,000,743  | 7,982,441  | 8,522,064  |
| Real estate                               | 4,867,786               | 5,207,827  | 5,825,658  | 6,640,104  | 7,145,018  |
| Livestock and poultry <sup>1</sup>        | 637,914                 | 626,929    | 626,445    | 510,964    | 551,603    |
| Machinery and motor vehicles <sup>2</sup> | 430,979                 | 433,528    | 441,348    | 453,297    | 449,187    |
| Crops <sup>3</sup>                        | 90,334                  | 116,226    | 114,267    | 101,262    | 120,730    |
| Purchased inputs                          | 27,209                  | 29,321     | 36,362     | 22,694     | 24,478     |
| Financial                                 | 11,162                  | -3,039     | -43,337    | 254,120    | 231,048    |
| Farm debt                                 | 654,606                 | 651,471    | 669,783    | 689,507    | 938,550    |
| By purpose:                               |                         |            |            |            |            |
| Real estate                               | 353,791                 | 341,461    | 340,604    | 349,374    | 364,434    |
| Nonreal estate <sup>4</sup>               | 300,815                 | 310,010    | 329,179    | 340,133    | 574,116    |
| By lender:                                |                         |            |            |            |            |
| Farm Credit System                        | 167,397                 | 161,564    | 148,812    | 154,989    | 168,439    |
| Farm Service Agency <sup>5</sup>          | 86,211                  | 83,607     | 82,395     | 77,760     | 77,476     |
| Commercial banks                          | 196,720                 | 192,687    | 210,915    | 220,768    | 447,897    |
| Life insurance companies                  | 8,672                   | 8,458      | 11,081     | 10,987     | 9,964      |
| Individuals and others                    | 195,606                 | 205,156    | 216,582    | 225,003    | 234,773    |
| Equity                                    | 5,410,778               | 5,759,321  | 6,330,960  | 7,292,934  | 7,583,514  |
|   | <i>Percent</i>          |            |            |            |            |
| Ratio:                                    |                         |            |            |            |            |
| Debt/equity                               | 12.1                    | 11.3       | 10.6       | 9.5        | 12.4       |
| Debt/assets                               | 10.8                    | 10.2       | 9.6        | 8.6        | 11.0       |

See footnotes at end of table.

Continued—

**Table 3-5—Farm business balance sheet, Vermont and Virginia, December 31, 1992-96—Continued**

| Item                                      | 1992                    | 1993       | 1994       | 1995       | 1996       |
|---|-------------------------|------------|------------|------------|------------|
| <b>Vermont</b>                            |                         |            |            |            |            |
|   | <i>Number</i>           |            |            |            |            |
| Farms                                     | 6,400                   | 6,400      | 6,200      | 6,000      | 6,000      |
|   | <i>Thousand dollars</i> |            |            |            |            |
| Farm assets                               | 2,361,557               | 2,477,024  | 2,442,607  | 2,488,690  | 2,507,159  |
| Real estate                               | 1,666,220               | 1,778,292  | 1,759,218  | 1,798,001  | 1,816,755  |
| Livestock and poultry <sup>1</sup>        | 256,863                 | 258,382    | 261,983    | 240,670    | 239,470    |
| Machinery and motor vehicles <sup>2</sup> | 271,906                 | 277,723    | 273,896    | 264,111    | 261,716    |
| Crops <sup>3</sup>                        | 59,123                  | 51,956     | 51,152     | 51,151     | 52,047     |
| Purchased inputs                          | 14,196                  | 16,381     | 21,119     | 13,598     | 14,183     |
| Financial                                 | 93,249                  | 94,290     | 75,239     | 121,159    | 122,988    |
| Farm debt                                 | 323,884                 | 344,105    | 344,574    | 347,981    | 367,261    |
| By purpose:                               |                         |            |            |            |            |
| Real estate                               | 165,630                 | 182,488    | 186,672    | 181,424    | 175,019    |
| Nonreal estate <sup>4</sup>               | 158,254                 | 161,617    | 157,902    | 166,557    | 192,242    |
| By lender:                                |                         |            |            |            |            |
| Farm Credit System                        | 148,054                 | 151,948    | 151,023    | 159,455    | 162,319    |
| Farm Service Agency <sup>5</sup>          | 57,066                  | 53,911     | 54,222     | 52,331     | 67,221     |
| Commercial banks                          | 49,865                  | 65,184     | 61,709     | 54,812     | 51,738     |
| Life insurance companies                  | 0                       | 0          | 0          | 18         | 17         |
| Individuals and others                    | 68,879                  | 73,062     | 77,621     | 81,367     | 85,967     |
| Equity                                    | 2,037,673               | 2,132,919  | 2,098,033  | 2,140,709  | 2,139,898  |
|   | <i>Percent</i>          |            |            |            |            |
| Ratio:                                    |                         |            |            |            |            |
| Debt/equity                               | 15.9                    | 16.1       | 16.4       | 16.3       | 17.2       |
| Debt/assets                               | 13.7                    | 13.9       | 14.1       | 14.0       | 14.7       |
| <b>Virginia</b>                           |                         |            |            |            |            |
|   | <i>Number</i>           |            |            |            |            |
| Farms                                     | 45,000                  | 45,000     | 46,000     | 47,000     | 48,000     |
|   | <i>Thousand dollars</i> |            |            |            |            |
| Farm assets                               | 15,526,740              | 16,020,448 | 16,772,243 | 17,648,854 | 18,532,949 |
| Real estate                               | 12,095,130              | 12,483,097 | 13,061,544 | 14,203,634 | 14,804,210 |
| Livestock and poultry <sup>1</sup>        | 1,027,536               | 1,067,191  | 1,021,939  | 884,858    | 871,215    |
| Machinery and motor vehicles <sup>2</sup> | 1,242,616               | 1,269,196  | 1,320,802  | 1,344,679  | 1,360,836  |
| Crops <sup>3</sup>                        | 263,660                 | 203,400    | 276,462    | 307,373    | 387,444    |
| Purchased inputs                          | 32,165                  | 32,952     | 48,191     | 35,205     | 48,956     |
| Financial                                 | 865,633                 | 964,612    | 1,043,305  | 873,105    | 1,060,288  |
| Farm debt                                 | 1,924,845               | 1,905,041  | 1,884,776  | 1,841,458  | 1,817,206  |
| By purpose:                               |                         |            |            |            |            |
| Real estate                               | 1,232,346               | 1,207,233  | 1,220,061  | 1,166,544  | 1,127,000  |
| Nonreal estate <sup>4</sup>               | 692,499                 | 697,808    | 664,715    | 674,914    | 690,206    |
| By lender:                                |                         |            |            |            |            |
| Farm Credit System                        | 1,001,649               | 983,133    | 933,961    | 891,809    | 872,863    |
| Farm Service Agency <sup>5</sup>          | 170,838                 | 149,771    | 136,876    | 116,797    | 90,922     |
| Commercial banks                          | 385,141                 | 385,431    | 410,741    | 417,366    | 422,148    |
| Life insurance companies                  | 49,002                  | 49,383     | 45,024     | 40,205     | 35,083     |
| Individuals and others                    | 318,214                 | 337,322    | 358,175    | 375,280    | 396,190    |
| Equity                                    | 13,601,895              | 14,115,407 | 14,887,467 | 15,807,396 | 16,715,743 |
|   | <i>Percent</i>          |            |            |            |            |
| Ratio:                                    |                         |            |            |            |            |
| Debt/equity                               | 14.2                    | 13.5       | 12.7       | 11.7       | 10.9       |
| Debt/assets                               | 12.4                    | 11.9       | 11.2       | 10.4       | 9.8        |

See footnotes at end of table.

Continued—

**Table 3-5—Farm business balance sheet, Washington and West Virginia, December 31, 1992-96—Continued**

| Item                                      | 1992                    | 1993       | 1994       | 1995       | 1996       |
|---|-------------------------|------------|------------|------------|------------|
| <b>Washington</b>                         |                         |            |            |            |            |
|   | <i>Number</i>           |            |            |            |            |
| Farms                                     | 37,000                  | 36,000     | 36,000     | 36,000     | 36,000     |
|   | <i>Thousand dollars</i> |            |            |            |            |
| Farm assets                               | 16,882,857              | 18,543,722 | 18,769,432 | 19,411,599 | 20,876,446 |
| Real estate                               | 12,806,350              | 14,373,302 | 14,709,366 | 15,391,310 | 16,948,354 |
| Livestock and poultry <sup>1</sup>        | 1,045,223               | 1,093,517  | 985,350    | 817,099    | 777,707    |
| Machinery and motor vehicles <sup>2</sup> | 1,885,108               | 1,873,394  | 1,907,184  | 1,900,350  | 1,883,117  |
| Crops <sup>3</sup>                        | 340,281                 | 376,017    | 303,135    | 417,419    | 359,257    |
| Purchased inputs                          | 66,753                  | 59,608     | 68,686     | 39,063     | 45,087     |
| Financial                                 | 739,142                 | 767,884    | 795,711    | 846,358    | 862,924    |
| Farm debt                                 | 2,816,277               | 2,921,918  | 3,036,605  | 3,057,329  | 3,125,860  |
| By purpose:                               |                         |            |            |            |            |
| Real estate                               | 1,486,183               | 1,595,258  | 1,563,129  | 1,538,027  | 1,571,701  |
| Nonreal estate <sup>4</sup>               | 1,330,094               | 1,326,660  | 1,473,476  | 1,519,302  | 1,554,159  |
| By lender:                                |                         |            |            |            |            |
| Farm Credit System                        | 552,383                 | 585,030    | 593,805    | 525,567    | 576,068    |
| Farm Service Agency <sup>5</sup>          | 199,021                 | 177,540    | 168,660    | 145,666    | 162,674    |
| Commercial banks                          | 1,133,865               | 1,160,715  | 1,273,592  | 1,326,459  | 1,320,968  |
| Life insurance companies                  | 325,673                 | 361,621    | 328,250    | 358,315    | 331,283    |
| Individuals and others                    | 605,298                 | 637,011    | 672,299    | 701,323    | 734,868    |
| Equity                                    | 14,066,580              | 15,621,804 | 15,732,827 | 16,354,270 | 17,750,586 |
|   | <i>Percent</i>          |            |            |            |            |
| Ratio:                                    |                         |            |            |            |            |
| Debt/equity                               | 20.0                    | 18.7       | 19.3       | 18.7       | 17.6       |
| Debt/assets                               | 16.7                    | 15.8       | 16.2       | 15.8       | 15.0       |
| <b>West Virginia</b>                      |                         |            |            |            |            |
|   | <i>Number</i>           |            |            |            |            |
| Farms                                     | 20,000                  | 20,000     | 20,000     | 20,000     | 20,000     |
|   | <i>Thousand dollars</i> |            |            |            |            |
| Farm assets                               | 3,416,849               | 3,488,116  | 3,569,146  | 3,682,861  | 3,792,110  |
| Real estate                               | 2,571,730               | 2,627,192  | 2,745,465  | 2,913,202  | 3,018,862  |
| Livestock and poultry <sup>1</sup>        | 305,421                 | 300,898    | 251,448    | 216,988    | 199,475    |
| Machinery and motor vehicles <sup>2</sup> | 321,400                 | 328,275    | 334,196    | 332,999    | 329,979    |
| Crops <sup>3</sup>                        | 72,685                  | 76,349     | 80,916     | 66,621     | 92,979     |
| Purchased inputs                          | 11,850                  | 10,177     | 10,739     | 6,299      | 7,978      |
| Financial                                 | 133,763                 | 145,225    | 146,382    | 146,752    | 142,837    |
| Farm debt                                 | 407,062                 | 413,895    | 403,884    | 391,388    | 392,425    |
| By purpose:                               |                         |            |            |            |            |
| Real estate                               | 292,477                 | 298,394    | 281,535    | 270,053    | 264,209    |
| Nonreal estate <sup>4</sup>               | 114,585                 | 115,501    | 122,349    | 121,335    | 128,216    |
| By lender:                                |                         |            |            |            |            |
| Farm Credit System                        | 129,917                 | 128,994    | 111,375    | 104,254    | 97,144     |
| Farm Service Agency <sup>5</sup>          | 59,801                  | 58,817     | 55,389     | 53,873     | 60,628     |
| Commercial banks                          | 83,185                  | 92,708     | 103,451    | 101,270    | 104,836    |
| Life insurance companies                  | 81,113                  | 77,119     | 73,922     | 69,340     | 63,603     |
| Individuals and others                    | 53,046                  | 56,255     | 59,747     | 62,651     | 66,214     |
| Equity                                    | 3,009,787               | 3,074,221  | 3,165,262  | 3,291,473  | 3,399,685  |
|   | <i>Percent</i>          |            |            |            |            |
| Ratio:                                    |                         |            |            |            |            |
| Debt/equity                               | 13.5                    | 13.5       | 12.8       | 11.9       | 11.5       |
| Debt/assets                               | 11.9                    | 11.9       | 11.3       | 10.6       | 10.4       |

See footnotes at end of table.

Continued—



**Table 3-5—Farm business balance sheet, Wisconsin and Wyoming, December 31, 1992-96—Continued**

| Item                                      | 1992       | 1993       | 1994          | 1995       | 1996       |
|---|------------|------------|---------------|------------|------------|
| <b>Wisconsin</b>                          |            |            | <i>Number</i> |            |            |
| Farms                                     | 79,000     | 79,000     | 79,000        | 80,000     | 79,000     |
| <i>Thousand dollars</i>                   |            |            |               |            |            |
| Farm assets                               | 23,735,262 | 24,050,619 | 25,327,968    | 26,582,888 | 27,698,983 |
| Real estate                               | 13,424,338 | 13,687,773 | 14,805,062    | 16,316,227 | 17,357,688 |
| Livestock and poultry <sup>1</sup>        | 3,185,777  | 3,037,031  | 2,995,936     | 2,705,677  | 2,721,225  |
| Machinery and motor vehicles <sup>2</sup> | 4,351,161  | 4,444,236  | 4,524,397     | 4,565,251  | 4,467,303  |
| Crops <sup>3</sup>                        | 990,785    | 989,399    | 964,509       | 1,019,581  | 1,132,946  |
| Purchased inputs                          | 215,257    | 208,915    | 275,737       | 190,489    | 244,012    |
| Financial                                 | 1,567,944  | 1,683,265  | 1,762,327     | 1,785,663  | 1,775,809  |
| Farm debt                                 | 4,735,496  | 4,912,232  | 4,992,287     | 5,199,662  | 5,363,215  |
| By purpose:                               |            |            |               |            |            |
| Real estate                               | 2,440,117  | 2,431,614  | 2,477,634     | 2,590,626  | 2,704,736  |
| Nonreal estate <sup>4</sup>               | 2,295,379  | 2,480,618  | 2,514,653     | 2,609,036  | 2,658,479  |
| By lender:                                |            |            |               |            |            |
| Farm Credit System                        | 1,255,199  | 1,354,364  | 1,329,379     | 1,432,037  | 1,503,464  |
| Farm Service Agency <sup>5</sup>          | 465,603    | 399,730    | 371,467       | 331,890    | 260,146    |
| Commercial banks                          | 1,914,142  | 1,990,705  | 2,067,792     | 2,161,498  | 2,254,557  |
| Life insurance companies                  | 52,596     | 64,929     | 60,034        | 59,392     | 70,907     |
| Individuals and others                    | 1,047,798  | 1,102,503  | 1,163,616     | 1,214,845  | 1,274,142  |
| Equity                                    | 18,999,766 | 19,138,387 | 20,335,681    | 21,383,226 | 22,335,768 |
| <i>Percent</i>                            |            |            |               |            |            |
| Ratio:                                    |            |            |               |            |            |
| Debt/equity                               | 24.9       | 25.7       | 24.6          | 24.3       | 24.0       |
| Debt/assets                               | 20.0       | 20.4       | 19.7          | 19.6       | 19.4       |
| <b>Wyoming</b>                            |            |            | <i>Number</i> |            |            |
| Farms                                     | 9,200      | 9,200      | 9,200         | 9,200      | 9,100      |
| <i>Thousand dollars</i>                   |            |            |               |            |            |
| Farm assets                               | 6,872,820  | 7,651,851  | 7,771,912     | 8,124,634  | 8,669,474  |
| Real estate                               | 5,025,731  | 5,628,216  | 5,927,762     | 6,385,229  | 6,819,177  |
| Livestock and poultry <sup>1</sup>        | 1,034,914  | 1,129,990  | 973,800       | 842,874    | 964,256    |
| Machinery and motor vehicles <sup>2</sup> | 413,521    | 422,367    | 429,985       | 428,444    | 419,944    |
| Crops <sup>3</sup>                        | 125,405    | 178,163    | 141,142       | 188,548    | 178,385    |
| Purchased inputs                          | 25,258     | 20,088     | 25,721        | 15,925     | 21,604     |
| Financial                                 | 247,991    | 273,027    | 273,502       | 263,614    | 266,108    |
| Farm debt                                 | 834,429    | 911,202    | 899,612       | 918,706    | 954,707    |
| By purpose:                               |            |            |               |            |            |
| Real estate                               | 411,680    | 439,074    | 419,859       | 415,143    | 442,888    |
| Nonreal estate <sup>4</sup>               | 422,749    | 472,128    | 479,753       | 503,563    | 511,819    |
| By lender:                                |            |            |               |            |            |
| Farm Credit System                        | 208,338    | 218,650    | 145,421       | 129,712    | 139,561    |
| Farm Service Agency <sup>5</sup>          | 63,272     | 58,237     | 55,476        | 50,975     | 53,093     |
| Commercial banks                          | 300,559    | 354,118    | 410,516       | 439,671    | 439,689    |
| Life insurance companies                  | 58,363     | 65,570     | 61,504        | 61,816     | 74,438     |
| Individuals and others                    | 203,896    | 214,627    | 226,694       | 236,533    | 247,924    |
| Equity                                    | 6,038,391  | 6,740,649  | 6,872,300     | 7,205,928  | 7,714,767  |
| <i>Percent</i>                            |            |            |               |            |            |
| Ratio:                                    |            |            |               |            |            |
| Debt/equity                               | 13.8       | 13.5       | 13.1          | 12.8       | 12.4       |
| Debt/assets                               | 12.1       | 11.9       | 11.6          | 11.3       | 11.0       |

<sup>1</sup>Excludes horses, mules, and broilers.<sup>2</sup>Include only farm share value for trucks and autos.<sup>3</sup>All non-CCC crops held on farms plus the value above loan rate for crops held under CCC.<sup>4</sup>Excludes debt for nonfarm purposes.<sup>5</sup>Farmers Home Administration prior to 1994.

Source: Economic Research Service, U.S. Department of Agriculture.

## Farm Sector Financial Performance Improved Across the Nation

Ken Erickson

Financial ratios reflect the stresses and strains on resources used in agricultural production at the sector level (United States, production region, and State). They are not representative of individual farms, but are composites or averages of all farms. The nature and structure of agriculture varies not only across regions and States at a point in time (for example, between the Corn Belt and the Mountain States in 1996), but also within regions and States over time (for example, the Corn Belt in 1990 and 1996). The financial ratios can be estimated by USDA production regions to provide a perspective about the extent of variation in performance.<sup>3</sup>

Overall profitability and solvency for the “average farm” in each region was much higher in 1996 than in 1985 (during the “farm financial crisis” years). Also, overall profitability and solvency were noticeably higher in 1996 than in 1990.

<sup>3</sup>The USDA production regions are Northeast (Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont); Lake States (Michigan, Minnesota, Wisconsin); Corn Belt (Illinois, Indiana, Iowa, Missouri, Ohio); Northern Plains (Kansas, Nebraska, North Dakota, South Dakota); Appalachia (Kentucky, North Carolina, Tennessee, Virginia, West Virginia); Southeast (Alabama, Florida, Georgia, South Carolina); Delta (Arkansas, Louisiana, Mississippi); Southern Plains (Oklahoma, Texas); Mountain (Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, Wyoming); Pacific (California, Oregon, Washington). Alaska and Hawaii have been omitted due to insufficient data.

Total returns to farm assets (from current income and from real capital gains) in 1996 were highest in the Pacific States (9.2 percent, down from 9.5 percent in 1990). Other regions with total rates of return on farm assets greater than the U.S. 1996 average of 6.3 percent include the Corn Belt (8.2 percent), the Northern Plains (8.9 percent), Southeast (6.5 percent), Delta (6.6 percent). Those regions with total rates of return on farm assets less than the U.S. average include the Northeast (2.8 percent), the Lake States (3.9 percent), Appalachia (5.3 percent), Southern Plains (2.8 percent), and Mountain States (5.4 percent). These rates of return in 1996 are in contrast to a decade earlier when they were negative for each production region.

The Northeast (12.1 percent), Mountain (12.3 percent), Appalachia (12.7 percent), Southern Plains (12.9 percent), Southeast (14.5 percent), and Corn Belt (14.7 percent) had debt-to-asset ratios (solvency measures) less than the U.S. average of 15.1 percent. Solvency ratios exceeded the U.S. average in the Pacific region (17.1 percent), Lake States (18.9 percent), the Delta (18.7 percent), and Northern Plains (18.7 percent). Most regions had very similar or even lower debt-to-asset ratios in 1996 compared with 1990, and according to this measure, were notably more solvent than in 1985.

## Definition of Financial Ratios<sup>1</sup>

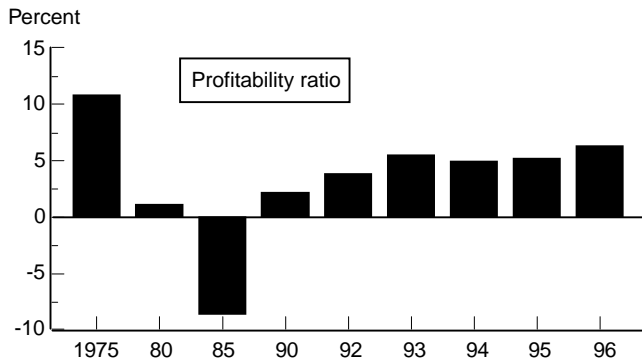
| Ratio  | Computation method  | Significance  |
|--|---|---|
| <b>Liquidity:</b>                                |   |   |
| Farm business debt service coverage              | $\frac{\text{Net cash farm income} + \text{interest}}{\text{Interest} + \text{principal payments}}$       | Measures the farm business's ability to repay both interest and principal   |
| Debt servicing                                   | $\frac{\text{Interest} + \text{principal payments}}{\text{Gross cash farm income}}$                       | Measures the share of the farm business's gross income needed to service debt   |
| Times interest                                   | $\frac{\text{Net farm income before interest and taxes}}{\text{Interest payments}}$                       | Measures the farm business's ability to service debt out of net income earned   |
| <b>Efficiency:</b>                               |   |   |
| Gross ratio                                      | $\frac{\text{Cash operating expenses}}{\text{Gross cash farm income}}$                                    | Measures the proportion of gross cash farm income absorbed by cash operating expenses                                       |
| Interest to gross cash income                    | $\frac{\text{Interest}}{\text{Gross cash farm income}}$   | Measures the share of gross cash farm income committed to interest payments   |
| Asset turnover                                   | $\frac{\text{Gross cash farm income}}{\text{Farm business assets}}$                                       | Measures the gross farm income generated per dollar of farm business assets   |
| Net cash farm income to debt (debt burden ratio) | $\frac{\text{Net cash farm income}}{\text{Farm business debt}}$   | Measures the burden placed on net cash farm income to retire outstanding debt   |
| <b>Solvency:</b>                                 |   |   |
| Debt to assets                                   | $\frac{\text{Farm business debt}}{\text{Farm business assets}}$   | Measures debt pledged against farm business assets, indicating overall financial risk                                       |
| Debt to equity                                   | $\frac{\text{Debt}}{\text{Equity}}$   | Measures the relative proportion of funds invested by creditors (debt) and owners (equity)                                  |
| <b>Profitability:</b>                            |   |   |
| <b>Rates of return on assets—</b>                |   |   |
| Current income                                   | $\frac{\text{Returns to farm assets from current income}}{\text{Farm business assets}}$                   | Measures how efficiently the farm business uses its assets; the per dollar return on farm assets (from current income only) |
| Real capital gains                               | $\frac{\text{Real capital gains on farm business assets}}{\text{Farm business assets}}$                   | The per dollar return on farm assets from real capital gains  |
| <b>Rates of return on equity—</b>                |   |   |
| Current income                                   | $\frac{\text{Returns to farm assets from current income} - \text{interest}}{\text{Farm business equity}}$ | Measures the returns to equity capital employed in farm business from current income less interest                          |
| Real capital gains                               | $\frac{\text{Real capital gains on farm business assets}}{\text{Farm business equity}}$                   | The per dollar return on farm equity from real capital gains  |
| Operating profit margin                          | $\frac{\text{Returns to farm assets}}{\text{Gross cash farm income}}$                                     | Measures profits earned per dollar of gross cash income   |

<sup>1</sup> Asset, debt, and equity values are an average for December 31 of the current and previous years.

Figure 4-1

### Rates of return to assets, 1975-96<sup>1</sup>

*Farm sector investments have been profitable in the 1990's*

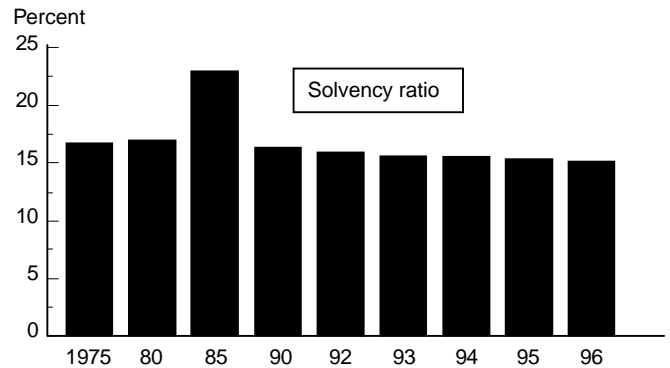


<sup>1</sup>Return to farm assets from current income and real capital gains.

Figure 4-2

### Debt asset ratios, 1975-96<sup>1</sup>

*Farm sector solvency steadily improving*

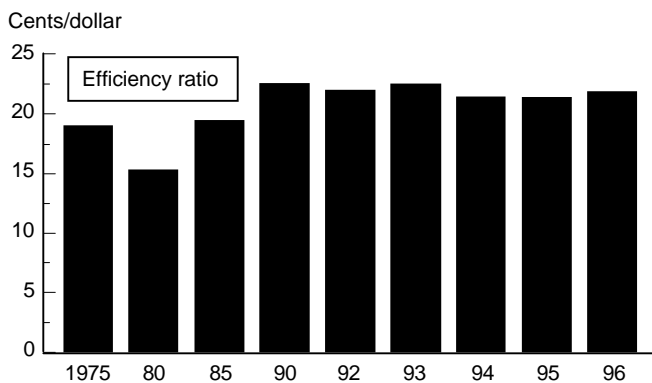


<sup>1</sup>Farm business debt/farm business assets.

Figure 4-3

### Asset turnover ratios, 1975-96<sup>1</sup>

*Greater gross returns per dollar invested in the 1990's*

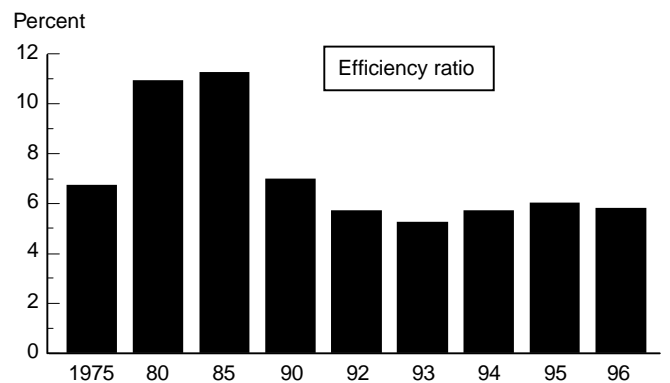


<sup>1</sup>Measures gross cash income generated per dollar of farm assets.

Figure 4-4

### Interest-to-gross-cash income ratios, 1975-96<sup>1</sup>

*Lower income and larger debt boosted ratio slightly in 1995*

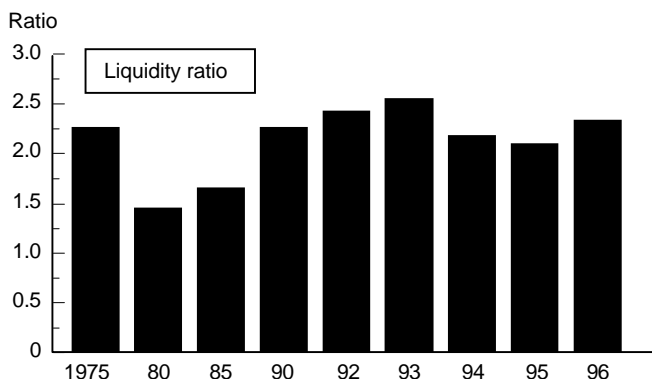


<sup>1</sup>Interest payment/gross cash farm income.

Figure 4-5

### Farm debt service coverage ratios, 1975-96<sup>1</sup>

*Liquidity has improved in the 1990's*

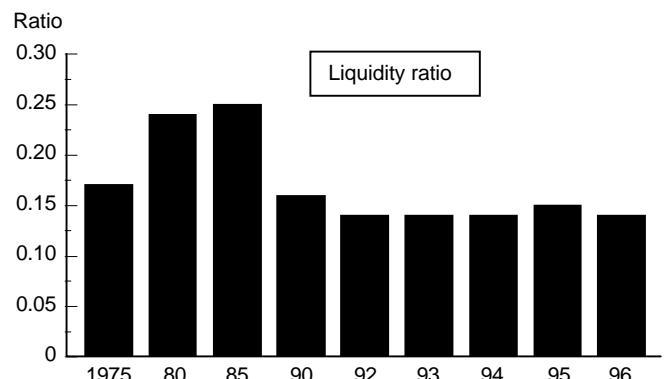


<sup>1</sup>Net cash income + interest/interest + principal payments.

Figure 4-6

### Debt servicing ratios, 1975-96<sup>1</sup>

*Farmers have been better able to pay debts in 1990's*



<sup>1</sup>Interest + principal payments/gross cash farm income.

**Table 4-1—Farm financial ratios, United States, 1960-96**

| Year | Liquidity                                 |                   |                             | Efficiency     |  |                            |                                    |
|------|---|-------------------|-----------------------------|----------------|--|----------------------------|------------------------------------|
|      | Farm business<br>debt service<br>coverage | Debt<br>servicing | Times<br>interest<br>earned | Gross<br>ratio | Interest to<br>gross cash<br>farm income | Asset<br>turnover<br>ratio | Net cash<br>farm income<br>to debt |
|      |   |                   |                             | <i>Ratio</i>   |  |                            |                                    |
| 1960 | 3.48                                      | 0.12              | 10.46                       | 63.37          | 3.63                                     | 20.16                      | 64.28                              |
| 1961 | 3.51                                      | 0.12              | 10.51                       | 62.97          | 3.65                                     | 20.73                      | 64.45                              |
| 1962 | 3.25                                      | 0.12              | 9.77                        | 64.39          | 3.84                                     | 20.77                      | 59.74                              |
| 1963 | 2.93                                      | 0.13              | 8.72                        | 65.62          | 4.19                                     | 20.47                      | 54.13                              |
| 1964 | 2.71                                      | 0.15              | 7.44                        | 64.96          | 4.52                                     | 19.88                      | 51.08                              |
| 1965 | 2.62                                      | 0.15              | 8.02                        | 65.23          | 4.71                                     | 19.86                      | 49.04                              |
| 1966 | 2.82                                      | 0.15              | 7.82                        | 63.81          | 4.70                                     | 20.72                      | 51.36                              |
| 1967 | 2.35                                      | 0.16              | 6.57                        | 67.53          | 5.30                                     | 19.33                      | 43.03                              |
| 1968 | 2.31                                      | 0.17              | 6.24                        | 66.96          | 5.49                                     | 19.15                      | 43.09                              |
| 1969 | 2.56                                      | 0.16              | 6.48                        | 65.45          | 5.52                                     | 20.01                      | 46.60                              |
| 1970 | 2.45                                      | 0.16              | 6.02                        | 66.45          | 5.85                                     | 20.04                      | 45.34                              |
| 1971 | 2.27                                      | 0.17              | 5.97                        | 68.08          | 5.98                                     | 19.46                      | 42.00                              |
| 1972 | 2.58                                      | 0.16              | 6.76                        | 64.72          | 5.58                                     | 20.47                      | 47.95                              |
| 1973 | 3.35                                      | 0.13              | 8.99                        | 60.15          | 4.91                                     | 23.80                      | 63.95                              |
| 1974 | 2.86                                      | 0.15              | 6.33                        | 62.86          | 5.79                                     | 21.61                      | 56.09                              |
| 1975 | 2.26                                      | 0.17              | 5.50                        | 67.38          | 6.70                                     | 18.90                      | 44.34                              |
| 1976 | 2.05                                      | 0.19              | 4.22                        | 69.21          | 7.22                                     | 17.64                      | 40.79                              |
| 1977 | 1.74                                      | 0.21              | 3.76                        | 71.93          | 8.21                                     | 15.98                      | 34.81                              |
| 1978 | 1.77                                      | 0.21              | 3.82                        | 71.75          | 8.35                                     | 16.53                      | 36.03                              |
| 1979 | 1.57                                      | 0.22              | 3.40                        | 75.28          | 9.27                                     | 16.23                      | 32.94                              |
| 1980 | 1.45                                      | 0.24              | 2.23                        | 76.13          | 10.91                                    | 15.23                      | 31.31                              |
| 1981 | 1.32                                      | 0.27              | 2.57                        | 77.55          | 13.09                                    | 14.86                      | 29.72                              |
| 1982 | 1.39                                      | 0.28              | 2.28                        | 74.82          | 13.87                                    | 15.70                      | 31.83                              |
| 1983 | 1.38                                      | 0.28              | 1.87                        | 74.62          | 13.61                                    | 16.01                      | 31.02                              |
| 1984 | 1.35                                      | 0.27              | 2.43                        | 76.02          | 12.99                                    | 17.34                      | 29.99                              |
| 1985 | 1.65                                      | 0.25              | 2.78                        | 70.14          | 11.25                                    | 19.37                      | 34.95                              |
| 1986 | 1.82                                      | 0.23              | 3.15                        | 68.67          | 10.28                                    | 20.42                      | 38.02                              |
| 1987 | 2.14                                      | 0.19              | 3.83                        | 67.57          | 8.78                                     | 22.28                      | 45.11                              |
| 1988 | 2.24                                      | 0.17              | 4.02                        | 68.98          | 7.95                                     | 35.24                      | 47.60                              |
| 1989 | 2.24                                      | 0.16              | 4.64                        | 70.72          | 7.47                                     | 22.39                      | 47.69                              |
| 1990 | 2.26                                      | 0.16              | 4.77                        | 71.70          | 6.96                                     | 22.50                      | 47.74                              |
| 1991 | 2.20                                      | 0.15              | 4.67                        | 72.68          | 6.37                                     | 21.78                      | 44.75                              |
| 1992 | 2.42                                      | 0.14              | 5.82                        | 70.82          | 5.71                                     | 21.92                      | 47.26                              |
| 1993 | 2.55                                      | 0.14              | 5.55                        | 70.59          | 5.23                                     | 22.43                      | 49.25                              |
| 1994 | 2.17                                      | 0.14              | 5.67                        | 74.42          | 5.72                                     | 21.40                      | 42.91                              |
| 1995 | 2.10                                      | 0.15              | 4.41                        | 75.04          | 6.00                                     | 21.27                      | 42.59                              |
| 1996 | 2.33                                      | 0.14              | 5.47                        | 72.83          | 5.79                                     | 21.84                      | 47.35                              |

See footnote at end of table.

Continued—

**Table 4-1—Farm financial ratios, United States, 1960-96—Continued**

| State | Solvency       |                | Profitability                   |                    |       |                                 |                    |        | Returns to farm assets to gross cash farm income |
|-------|----------------|----------------|---------------------------------|--------------------|-------|---------------------------------|--------------------|--------|--|
|       | Debt to assets | Debt to equity | Rates of return on assets from: |                    |       | Rates of return on equity from: |                    |        |  |
|       |                |                | Current income                  | Real capital gains | Total | Current income                  | Real capital gains | Total  |  |
|       |                |                | Percent                         |                    |       |                                 |                    |        |  |
| 1960  | 12.87          | 14.78          | 2.29                            | 0.14               | 2.43  | 1.79                            | 0.39               | 2.18   | 11.37  |
| 1961  | 13.29          | 15.33          | 2.93                            | 3.71               | 6.63  | 2.50                            | 4.36               | 6.85   | 14.11  |
| 1962  | 14.12          | 16.44          | 2.90                            | 2.55               | 5.45  | 2.44                            | 3.16               | 5.60   | 13.99  |
| 1963  | 15.03          | 17.69          | 2.99                            | 3.37               | 6.36  | 2.49                            | 4.15               | 6.64   | 14.59  |
| 1964  | 15.75          | 18.69          | 2.36                            | 3.27               | 5.63  | 1.73                            | 4.08               | 5.81   | 11.89  |
| 1965  | 16.22          | 19.36          | 3.39                            | 4.87               | 8.26  | 2.92                            | 6.09               | 9.02   | 17.06  |
| 1966  | 16.76          | 20.14          | 3.68                            | 2.73               | 6.42  | 3.24                            | 3.86               | 7.10   | 17.77  |
| 1967  | 17.16          | 20.72          | 2.76                            | 1.92               | 4.68  | 2.09                            | 2.84               | 4.93   | 14.30  |
| 1968  | 17.08          | 20.60          | 2.51                            | 0.88               | 3.38  | 1.76                            | 1.87               | 3.63   | 13.10  |
| 1969  | 17.33          | 20.97          | 3.07                            | -0.14              | 2.94  | 2.38                            | 0.68               | 3.05   | 15.36  |
| 1970  | 17.48          | 21.19          | 2.95                            | -0.53              | 2.42  | 2.15                            | 0.31               | 2.46   | 14.73  |
| 1971  | 17.64          | 21.42          | 3.03                            | 2.94               | 5.97  | 2.26                            | 4.34               | 6.61   | 15.56  |
| 1972  | 17.27          | 20.88          | 4.22                            | 7.14               | 11.36 | 3.72                            | 9.32               | 13.04  | 20.59  |
| 1973  | 16.16          | 19.28          | 7.71                            | 11.25              | 18.96 | 7.85                            | 14.74              | 22.58  | 32.39  |
| 1974  | 16.89          | 20.32          | 4.55                            | -1.23              | 3.32  | 3.95                            | 0.40               | 4.35   | 21.05  |
| 1975  | 16.65          | 19.97          | 3.62                            | 7.20               | 10.82 | 2.83                            | 9.85               | 12.68  | 19.16  |
| 1976  | 16.26          | 19.42          | 2.11                            | 9.43               | 11.54 | 1.00                            | 12.24              | 13.24  | 11.95  |
| 1977  | 17.02          | 20.50          | 1.76                            | 3.72               | 5.49  | 0.54                            | 5.61               | 6.16   | 11.04  |
| 1978  | 16.60          | 19.91          | 2.37                            | 8.00               | 10.37 | 1.19                            | 10.98              | 12.17  | 14.32  |
| 1979  | 16.87          | 20.30          | 2.54                            | 5.25               | 7.79  | 1.25                            | 7.96               | 9.21   | 15.68  |
| 1980  | 16.97          | 20.44          | 1.20                            | -0.03              | 1.17  | -0.56                           | 1.83               | 1.27   | 7.88   |
| 1981  | 18.57          | 22.80          | 2.29                            | -6.34              | -4.05 | 0.42                            | -6.18              | -5.76  | 15.40  |
| 1982  | 19.99          | 24.98          | 2.21                            | -7.24              | -5.03 | 0.04                            | -7.84              | -7.80  | 14.06  |
| 1983  | 20.26          | 25.40          | 1.31                            | -2.42              | -1.11 | -1.09                           | -2.01              | -3.10  | 8.19   |
| 1984  | 22.61          | 29.22          | 3.24                            | -12.51             | -9.27 | 1.25                            | -15.03             | -13.77 | 18.67  |
| 1985  | 22.98          | 29.84          | 3.63                            | -12.28             | -8.65 | 1.88                            | -14.72             | -12.84 | 18.76  |
| 1986  | 21.66          | 27.65          | 3.11                            | -7.40              | -4.28 | 1.31                            | -8.82              | -7.51  | 15.25  |
| 1987  | 19.10          | 23.61          | 4.12                            | 0.88               | 5.00  | 2.71                            | 2.22               | 4.93   | 18.49  |
| 1988  | 17.64          | 21.43          | 5.98                            | 1.29               | 7.27  | 2.47                            | 1.97               | 4.44   | 16.96  |
| 1989  | 16.89          | 20.32          | 4.36                            | -0.89              | 3.47  | 3.25                            | -0.15              | 3.10   | 19.48  |
| 1990  | 16.36          | 19.56          | 4.01                            | -1.82              | 2.19  | 2.93                            | -1.11              | 1.82   | 17.83  |
| 1991  | 16.44          | 19.67          | 2.93                            | -1.94              | 0.99  | 1.84                            | -1.70              | 0.14   | 13.43  |
| 1992  | 15.94          | 18.96          | 3.98                            | -0.15              | 3.84  | 3.26                            | 0.42               | 3.68   | 18.17  |
| 1993  | 15.61          | 18.50          | 2.91                            | 2.44               | 5.35  | 2.07                            | 3.32               | 5.39   | 12.99  |
| 1994  | 15.60          | 18.48          | 3.58                            | 1.33               | 4.91  | 2.79                            | 2.01               | 4.79   | 16.71  |
| 1995  | 15.33          | 18.10          | 2.13                            | 3.10               | 5.24  | 1.01                            | 4.13               | 5.14   | 10.02  |
| 1996  | 15.09          | 17.77          | 3.77                            | 2.52               | 6.29  | 2.95                            | 3.38               | 6.33   | 17.25  |

Source: Economic Research Service, U.S. Department of Agriculture.

**Table 4-2—Farm financial ratios by State, 1992**

| Year           | Liquidity                           |                |                       | Efficiency   |                                    |                      |                              |
|----------------|-------------------------------------|----------------|-----------------------|--------------|------------------------------------|----------------------|------------------------------|
|                | Farm business debt service coverage | Debt servicing | Times interest earned | Gross ratio  | Interest to gross cash farm income | Asset turnover ratio | Net cash farm income to debt |
|                |                                     |                |                       | <i>Ratio</i> |                                    |                      |                              |
| Alabama        | 4.73                                | 0.09           | 10.91                 | 61.99        | 3.36                               | 28.86                | 94.44                        |
| Alaska         | 3.04                                | 0.14           | 5.69                  | 63.77        | 6.62                               | 5.53                 | 60.34                        |
| Arizona        | 2.99                                | 0.15           | 6.43                  | 62.61        | 6.29                               | 16.26                | 68.85                        |
| Arkansas       | 2.92                                | 0.11           | 6.45                  | 71.30        | 4.58                               | 33.39                | 56.73                        |
| California     | 2.84                                | 0.12           | 6.78                  | 69.75        | 4.84                               | 28.24                | 53.31                        |
| Colorado       | 2.01                                | 0.14           | 4.43                  | 78.06        | 5.67                               | 24.84                | 40.69                        |
| Connecticut    | 5.28                                | 0.09           | 13.67                 | 58.12        | 3.08                               | 21.96                | 108.31                       |
| Delaware       | 2.70                                | 0.09           | 6.66                  | 78.92        | 3.23                               | 48.39                | 51.11                        |
| Florida        | 5.09                                | 0.10           | 11.54                 | 53.99        | 4.34                               | 26.28                | 88.14                        |
| Georgia        | 3.86                                | 0.12           | 8.89                  | 60.20        | 4.69                               | 29.73                | 73.72                        |
| Hawaii         | 2.09                                | 0.10           | 5.46                  | 82.98        | 4.07                               | 12.92                | 38.45                        |
| Idaho          | 2.55                                | 0.16           | 6.10                  | 64.55        | 6.05                               | 25.30                | 49.35                        |
| Illinois       | 1.38                                | 0.18           | 4.41                  | 83.15        | 7.36                               | 15.82                | 26.68                        |
| Indiana        | 1.15                                | 0.18           | 3.44                  | 87.10        | 7.80                               | 18.29                | 21.64                        |
| Iowa           | 1.97                                | 0.16           | 4.85                  | 74.21        | 6.61                               | 22.65                | 38.37                        |
| Kansas         | 1.95                                | 0.15           | 5.35                  | 77.13        | 5.68                               | 27.67                | 41.30                        |
| Kentucky       | 3.20                                | 0.14           | 7.59                  | 60.89        | 5.61                               | 20.16                | 58.17                        |
| Louisiana      | 2.16                                | 0.16           | 4.24                  | 72.12        | 6.07                               | 26.62                | 45.76                        |
| Maine          | 2.75                                | 0.13           | 8.75                  | 70.03        | 4.60                               | 26.13                | 59.55                        |
| Maryland       | 2.65                                | 0.12           | 6.32                  | 73.08        | 4.63                               | 22.24                | 47.66                        |
| Massachusetts  | 3.59                                | 0.13           | 10.16                 | 58.12        | 4.27                               | 15.77                | 72.29                        |
| Michigan       | 1.94                                | 0.14           | 4.48                  | 77.61        | 5.63                               | 22.50                | 37.12                        |
| Minnesota      | 1.91                                | 0.17           | 4.14                  | 73.49        | 6.63                               | 21.16                | 37.27                        |
| Mississippi    | 1.88                                | 0.16           | 4.12                  | 76.78        | 6.25                               | 26.41                | 38.01                        |
| Missouri       | 1.54                                | 0.19           | 3.43                  | 78.62        | 7.80                               | 16.32                | 29.57                        |
| Montana        | 2.25                                | 0.21           | 4.18                  | 61.60        | 8.73                               | 12.89                | 41.32                        |
| Nebraska       | 2.27                                | 0.15           | 6.46                  | 71.63        | 5.53                               | 28.69                | 47.57                        |
| Nevada         | 2.77                                | 0.15           | 4.80                  | 65.88        | 6.34                               | 11.24                | 49.69                        |
| New Hampshire  | 4.81                                | 0.09           | 14.35                 | 62.17        | 3.05                               | 16.24                | 94.06                        |
| New Jersey     | 3.13                                | 0.11           | 9.25                  | 68.24        | 3.80                               | 11.62                | 55.15                        |
| New Mexico     | 3.10                                | 0.13           | 7.43                  | 65.54        | 4.93                               | 15.63                | 59.90                        |
| New York       | 2.48                                | 0.14           | 5.78                  | 69.78        | 5.11                               | 23.61                | 51.17                        |
| North Carolina | 5.50                                | 0.08           | 13.35                 | 58.64        | 3.08                               | 38.37                | 104.44                       |
| North Dakota   | 2.03                                | 0.20           | 5.20                  | 68.09        | 7.77                               | 18.21                | 41.51                        |
| Ohio           | 2.34                                | 0.13           | 5.42                  | 74.21        | 5.71                               | 17.66                | 45.10                        |
| Oklahoma       | 1.93                                | 0.19           | 4.44                  | 70.71        | 7.19                               | 19.32                | 40.20                        |
| Oregon         | 2.17                                | 0.14           | 4.93                  | 75.54        | 5.26                               | 23.30                | 36.86                        |
| Pennsylvania   | 3.09                                | 0.12           | 7.51                  | 68.39        | 4.51                               | 19.95                | 58.10                        |
| Rhode Island   | 6.85                                | 0.09           | 24.30                 | 41.50        | 2.49                               | 21.97                | 129.37                       |
| South Carolina | 3.09                                | 0.13           | 6.68                  | 65.56        | 4.95                               | 18.99                | 58.23                        |
| South Dakota   | 2.07                                | 0.20           | 5.97                  | 65.65        | 7.18                               | 19.50                | 42.64                        |
| Tennessee      | 2.45                                | 0.17           | 5.47                  | 65.71        | 6.28                               | 13.90                | 47.30                        |
| Texas          | 2.29                                | 0.15           | 5.66                  | 71.88        | 5.96                               | 17.53                | 47.85                        |
| Utah           | 2.89                                | 0.15           | 7.04                  | 61.45        | 6.20                               | 14.36                | 56.99                        |
| Vermont        | 3.20                                | 0.12           | 8.84                  | 64.60        | 4.48                               | 21.92                | 60.50                        |
| Virginia       | 2.74                                | 0.15           | 5.90                  | 63.99        | 6.40                               | 14.66                | 50.34                        |
| Washington     | 2.93                                | 0.11           | 7.55                  | 71.83        | 4.05                               | 29.63                | 56.27                        |
| West Virginia  | 2.00                                | 0.19           | 3.58                  | 69.98        | 8.04                               | 10.58                | 34.09                        |
| Wisconsin      | 2.14                                | 0.16           | 3.97                  | 72.75        | 6.05                               | 25.82                | 42.38                        |
| Wyoming        | 2.00                                | 0.19           | 5.05                  | 69.26        | 7.13                               | 13.45                | 39.55                        |
| United States  | 2.42                                | 0.14           | 5.82                  | 70.82        | 5.71                               | 21.92                | 47.26                        |

See footnote at end of table.

Continued—

**Table 4-2—Farm financial ratios by State, 1992—Continued**

| State          | Solvency             |                      | Profitability                   |                          |       |                                 |                          |       | Returns to<br>farm assets<br>to<br>gross cash<br>farm income |
|----------------|----------------------|----------------------|---------------------------------|--------------------------|-------|---------------------------------|--------------------------|-------|--|
|                | Debt<br>to<br>assets | Debt<br>to<br>equity | Rates of return on assets from: |                          |       | Rates of return on equity from: |                          |       |  |
|                |                      |                      | Current<br>income               | Real<br>capital<br>gains | Total | Current<br>income               | Real<br>capital<br>gains | Total |  |
|                |                      |                      | Percent                         |                          |       |                                 |                          |       |  |
| Alabama        | 12.18                | 13.87                | 5.51                            | 2.07                     | 7.58  | 5.20                            | 2.82                     | 8.01  | 19.09  |
| Alaska         | 3.39                 | 3.51                 | -0.17                           | -4.21                    | -4.38 | -0.56                           | -4.24                    | -4.80 | -3.14  |
| Arizona        | 9.83                 | 10.90                | 5.32                            | -1.25                    | 4.07  | 4.79                            | -1.02                    | 3.77  | 32.69  |
| Arkansas       | 19.13                | 23.66                | 6.74                            | 1.17                     | 7.91  | 6.48                            | 2.21                     | 8.68  | 20.18  |
| California     | 18.36                | 22.48                | 7.09                            | -0.34                    | 6.75  | 7.03                            | 0.29                     | 7.31  | 25.10  |
| Colorado       | 16.29                | 19.46                | 3.37                            | 2.02                     | 5.39  | 2.36                            | 3.06                     | 5.42  | 13.57  |
| Connecticut    | 8.67                 | 9.49                 | 3.75                            | 7.95                     | 11.70 | 3.38                            | 9.06                     | 12.44 | 17.08  |
| Delaware       | 23.06                | 29.98                | 8.00                            | 4.76                     | 12.77 | 8.37                            | 7.06                     | 15.43 | 16.54  |
| Florida        | 15.31                | 18.07                | 9.94                            | -2.40                    | 7.54  | 10.35                           | -2.29                    | 8.07  | 37.83  |
| Georgia        | 17.36                | 21.01                | 9.18                            | 4.32                     | 13.50 | 9.48                            | 5.94                     | 15.42 | 30.86  |
| Hawaii         | 7.29                 | 7.86                 | 1.23                            | -0.66                    | 0.57  | 0.76                            | -0.48                    | 0.28  | 9.53   |
| Idaho          | 21.28                | 27.02                | 6.85                            | -0.54                    | 6.31  | 6.76                            | 0.14                     | 6.89  | 27.07  |
| Illinois       | 14.37                | 16.78                | 4.19                            | -2.37                    | 1.81  | 3.53                            | -2.26                    | 1.27  | 26.45  |
| Indiana        | 16.98                | 20.46                | 2.73                            | 0.51                     | 3.24  | 1.58                            | 1.27                     | 2.85  | 14.91  |
| Iowa           | 18.81                | 23.16                | 5.16                            | 0.90                     | 6.06  | 4.53                            | 1.84                     | 6.36  | 22.78  |
| Kansas         | 19.04                | 23.52                | 4.99                            | -1.70                    | 3.29  | 4.23                            | -1.38                    | 2.84  | 18.03  |
| Kentucky       | 14.96                | 17.59                | 5.01                            | 3.36                     | 8.37  | 4.59                            | 4.55                     | 9.14  | 24.85  |
| Louisiana      | 19.28                | 23.88                | 4.97                            | 1.53                     | 6.49  | 4.18                            | 2.68                     | 6.86  | 18.66  |
| Maine          | 15.06                | 17.72                | 4.91                            | 2.48                     | 7.40  | 4.38                            | 3.46                     | 7.84  | 18.81  |
| Maryland       | 14.12                | 16.44                | 2.74                            | 8.15                     | 10.89 | 2.00                            | 10.08                    | 12.08 | 12.32  |
| Massachusetts  | 10.09                | 11.22                | 2.50                            | 6.96                     | 9.46  | 2.03                            | 8.08                     | 10.12 | 15.86  |
| Michigan       | 16.91                | 20.36                | -1.17                           | -0.03                    | -1.19 | -2.93                           | 0.59                     | -2.34 | -5.19  |
| Minnesota      | 18.75                | 23.08                | 0.79                            | -0.43                    | 0.37  | -0.75                           | 0.18                     | -0.57 | 3.75   |
| Mississippi    | 19.57                | 24.33                | 5.00                            | -1.02                    | 3.97  | 4.21                            | -0.47                    | 3.74  | 18.92  |
| Missouri       | 15.74                | 18.69                | 0.62                            | -0.29                    | 0.33  | -0.78                           | 0.24                     | -0.53 | 3.82   |
| Montana        | 14.47                | 16.91                | 2.31                            | 1.93                     | 4.24  | 1.38                            | 2.80                     | 4.18  | 17.88  |
| Nebraska       | 20.73                | 26.15                | 6.64                            | -3.13                    | 3.51  | 6.36                            | -3.16                    | 3.19  | 23.16  |
| Nevada         | 9.20                 | 10.13                | 1.60                            | -5.84                    | -4.23 | 0.98                            | -6.11                    | -5.13 | 14.27  |
| New Hampshire  | 7.08                 | 7.62                 | 1.91                            | 2.51                     | 4.41  | 1.52                            | 2.93                     | 4.45  | 11.75  |
| New Jersey     | 7.58                 | 8.21                 | 0.58                            | 0.22                     | 0.80  | 0.14                            | 0.49                     | 0.63  | 4.95   |
| New Mexico     | 10.59                | 11.84                | 3.82                            | -12.28                   | -8.46 | 3.40                            | -13.33                   | -9.94 | 24.43  |
| New York       | 16.23                | 19.37                | 0.12                            | 5.34                     | 5.46  | -1.30                           | 6.96                     | 5.66  | 0.50   |
| North Carolina | 15.60                | 18.49                | 14.78                           | 1.94                     | 16.72 | 16.25                           | 2.92                     | 19.17 | 38.52  |
| North Dakota   | 16.81                | 20.20                | 4.98                            | 1.55                     | 6.52  | 4.31                            | 2.52                     | 6.84  | 27.33  |
| Ohio           | 12.16                | 13.84                | 1.92                            | 0.45                     | 2.37  | 1.04                            | 0.94                     | 1.98  | 10.87  |
| Oklahoma       | 17.12                | 20.66                | 1.68                            | -0.74                    | 0.94  | 0.35                            | -0.24                    | 0.12  | 8.71   |
| Oregon         | 17.49                | 21.20                | 1.94                            | 2.60                     | 4.54  | 0.88                            | 3.93                     | 4.81  | 8.34   |
| Pennsylvania   | 12.54                | 14.33                | 0.00                            | -3.28                    | -3.28 | -1.03                           | -3.31                    | -4.34 | -0.01  |
| Rhode Island   | 10.19                | 11.35                | 9.68                            | 7.33                     | 17.01 | 10.19                           | 8.52                     | 18.71 | 44.07  |
| South Carolina | 12.71                | 14.56                | 1.76                            | -4.86                    | -3.10 | 0.94                            | -5.12                    | -4.17 | 9.27   |
| South Dakota   | 19.00                | 23.46                | 5.35                            | -2.80                    | 2.55  | 4.88                            | -2.74                    | 2.14  | 27.44  |
| Tennessee      | 11.64                | 13.17                | 0.39                            | 3.33                     | 3.72  | -0.54                           | 4.20                     | 3.65  | 2.83   |
| Texas          | 12.10                | 13.76                | 3.62                            | -0.91                    | 2.71  | 2.95                            | -0.59                    | 2.35  | 20.67  |
| Utah           | 10.79                | 12.10                | 2.80                            | 4.44                     | 7.24  | 2.15                            | 5.40                     | 7.55  | 19.49  |
| Vermont        | 13.71                | 15.89                | 0.58                            | 7.26                     | 7.84  | -0.47                           | 9.03                     | 8.56  | 2.64   |
| Virginia       | 12.40                | 14.15                | 2.25                            | -4.34                    | -2.10 | 1.50                            | -4.52                    | -3.03 | 15.34  |
| Washington     | 16.68                | 20.02                | 6.76                            | -1.00                    | 5.76  | 6.69                            | -0.57                    | 6.12  | 22.80  |
| West Virginia  | 11.91                | 13.52                | -2.77                           | -5.25                    | -8.02 | -4.11                           | -5.54                    | -9.65 | -26.21   |
| Wisconsin      | 19.95                | 24.92                | -0.74                           | 2.21                     | 1.47  | -2.89                           | 3.55                     | 0.66  | -2.88  |
| Wyoming        | 12.14                | 13.82                | 2.60                            | 4.33                     | 6.92  | 1.88                            | 5.43                     | 7.31  | 19.30  |
| United States  | 15.94                | 18.96                | 3.98                            | -0.15                    | 3.84  | 3.26                            | 0.42                     | 3.68  | 18.17  |

Source: Economic Research Service, U.S. Department of Agriculture.



**Table 4-3—Farm financial ratios by State, 1993**

| Year           | Liquidity                                 |                   |                             | Efficiency     |  |                            |                                    |
|----------------|---|-------------------|-----------------------------|----------------|--|----------------------------|------------------------------------|
|                | Farm business<br>debt service<br>coverage | Debt<br>servicing | Times<br>interest<br>earned | Gross<br>ratio | Interest to<br>gross cash<br>farm income | Asset<br>turnover<br>ratio | Net cash<br>farm income<br>to debt |
|                |   |                   |                             | <i>Ratio</i>   |  |                            |                                    |
| Alabama        | 4.64                                      | 0.09              | 10.22                       | 63.57          | 3.41                                     | 27.90                      | 94.69                              |
| Alaska         | 4.46                                      | 0.10              | 10.28                       | 60.16          | 3.84                                     | 5.56                       | 78.82                              |
| Arizona        | 3.64                                      | 0.12              | 9.54                        | 61.60          | 4.32                                     | 17.65                      | 76.21                              |
| Arkansas       | 2.43                                      | 0.12              | 5.58                        | 76.11          | 4.78                                     | 31.97                      | 47.40                              |
| California     | 2.86                                      | 0.12              | 7.25                        | 71.29          | 4.56                                     | 29.99                      | 53.62                              |
| Colorado       | 2.47                                      | 0.12              | 6.06                        | 75.01          | 4.56                                     | 25.69                      | 47.60                              |
| Connecticut    | 5.92                                      | 0.08              | 17.66                       | 57.49          | 2.46                                     | 21.22                      | 114.30                             |
| Delaware       | 2.68                                      | 0.09              | 6.47                        | 78.66          | 3.17                                     | 45.27                      | 49.32                              |
| Florida        | 4.34                                      | 0.10              | 9.94                        | 59.59          | 4.46                                     | 25.75                      | 75.05                              |
| Georgia        | 3.78                                      | 0.11              | 8.50                        | 63.52          | 4.25                                     | 29.80                      | 71.08                              |
| Hawaii         | 1.85                                      | 0.10              | 5.62                        | 85.84          | 3.70                                     | 12.18                      | 32.74                              |
| Idaho          | 2.65                                      | 0.15              | 7.14                        | 64.89          | 5.71                                     | 25.47                      | 51.94                              |
| Illinois       | 2.11                                      | 0.15              | 3.94                        | 73.80          | 6.25                                     | 17.26                      | 39.97                              |
| Indiana        | 2.23                                      | 0.14              | 3.74                        | 74.17          | 6.05                                     | 20.92                      | 40.57                              |
| Iowa           | 2.06                                      | 0.17              | 2.56                        | 72.58          | 6.61                                     | 22.23                      | 39.80                              |
| Kansas         | 2.17                                      | 0.14              | 4.97                        | 74.68          | 5.34                                     | 27.95                      | 45.35                              |
| Kentucky       | 3.63                                      | 0.12              | 7.00                        | 59.93          | 4.93                                     | 20.43                      | 64.09                              |
| Louisiana      | 2.06                                      | 0.15              | 4.08                        | 75.04          | 5.73                                     | 27.07                      | 42.71                              |
| Maine          | 2.69                                      | 0.12              | 8.14                        | 70.72          | 4.09                                     | 24.85                      | 54.89                              |
| Maryland       | 2.90                                      | 0.11              | 6.51                        | 71.65          | 3.93                                     | 20.54                      | 48.62                              |
| Massachusetts  | 3.50                                      | 0.13              | 10.04                       | 60.10          | 4.06                                     | 14.94                      | 67.78                              |
| Michigan       | 1.98                                      | 0.13              | 5.03                        | 78.50          | 4.95                                     | 23.23                      | 37.12                              |
| Minnesota      | 1.57                                      | 0.18              | 1.73                        | 78.83          | 6.68                                     | 20.81                      | 30.40                              |
| Mississippi    | 1.71                                      | 0.15              | 3.07                        | 80.92          | 6.04                                     | 26.42                      | 34.96                              |
| Missouri       | 1.50                                      | 0.19              | 2.53                        | 79.58          | 7.51                                     | 15.74                      | 28.27                              |
| Montana        | 2.29                                      | 0.20              | 6.27                        | 63.07          | 7.80                                     | 12.54                      | 40.83                              |
| Nebraska       | 2.27                                      | 0.15              | 5.05                        | 71.77          | 5.61                                     | 29.20                      | 47.95                              |
| Nevada         | 3.02                                      | 0.13              | 7.29                        | 66.59          | 5.20                                     | 12.18                      | 52.32                              |
| New Hampshire  | 4.82                                      | 0.08              | 13.90                       | 62.71          | 2.76                                     | 15.69                      | 88.26                              |
| New Jersey     | 3.51                                      | 0.11              | 9.54                        | 65.43          | 3.79                                     | 12.19                      | 62.82                              |
| New Mexico     | 3.11                                      | 0.12              | 7.59                        | 66.98          | 4.63                                     | 16.71                      | 59.77                              |
| New York       | 2.56                                      | 0.14              | 6.46                        | 69.01          | 4.58                                     | 22.75                      | 50.82                              |
| North Carolina | 5.95                                      | 0.07              | 15.04                       | 58.35          | 2.72                                     | 40.27                      | 114.29                             |
| North Dakota   | 2.16                                      | 0.18              | 3.68                        | 67.04          | 7.01                                     | 18.37                      | 43.64                              |
| Ohio           | 2.99                                      | 0.12              | 4.82                        | 70.00          | 4.85                                     | 18.77                      | 56.23                              |
| Oklahoma       | 2.28                                      | 0.17              | 5.33                        | 67.54          | 6.17                                     | 20.61                      | 46.48                              |
| Oregon         | 2.27                                      | 0.12              | 5.70                        | 77.44          | 4.79                                     | 23.38                      | 40.11                              |
| Pennsylvania   | 3.40                                      | 0.11              | 7.62                        | 67.03          | 3.82                                     | 20.21                      | 60.48                              |
| Rhode Island   | 6.72                                      | 0.09              | 20.87                       | 41.55          | 2.91                                     | 21.04                      | 129.80                             |
| South Carolina | 3.04                                      | 0.12              | 6.16                        | 68.70          | 4.48                                     | 20.08                      | 58.68                              |
| South Dakota   | 2.21                                      | 0.19              | 5.08                        | 64.16          | 7.20                                     | 20.66                      | 46.57                              |
| Tennessee      | 2.38                                      | 0.16              | 5.27                        | 68.90          | 5.89                                     | 13.51                      | 44.72                              |
| Texas          | 2.81                                      | 0.13              | 7.20                        | 68.80          | 4.72                                     | 18.98                      | 56.08                              |
| Utah           | 3.21                                      | 0.14              | 7.92                        | 61.23          | 5.11                                     | 14.57                      | 61.09                              |
| Vermont        | 3.28                                      | 0.12              | 7.57                        | 64.93          | 4.07                                     | 21.21                      | 60.12                              |
| Virginia       | 2.61                                      | 0.15              | 5.08                        | 66.80          | 5.95                                     | 14.44                      | 46.58                              |
| Washington     | 2.96                                      | 0.10              | 8.05                        | 73.65          | 3.85                                     | 30.29                      | 56.49                              |
| West Virginia  | 2.28                                      | 0.16              | 3.87                        | 70.26          | 6.71                                     | 12.50                      | 38.33                              |
| Wisconsin      | 1.76                                      | 0.16              | 3.11                        | 78.01          | 5.83                                     | 24.79                      | 34.16                              |
| Wyoming        | 1.99                                      | 0.18              | 5.98                        | 70.34          | 6.67                                     | 12.87                      | 38.92                              |
| United States  | 2.55                                      | 0.14              | 5.55                        | 70.59          | 5.23                                     | 22.43                      | 49.25                              |

See footnote at end of table.

Continued—

**Table 4-3—Farm financial ratios by State, 1993—Continued**

| State          | Solvency             |                      | Profitability                   |                          |       |                                 |                          |       | Returns to<br>farm assets<br>to<br>gross cash<br>farm income |
|----------------|----------------------|----------------------|---------------------------------|--------------------------|-------|---------------------------------|--------------------------|-------|--|
|                | Debt<br>to<br>assets | Debt<br>to<br>equity | Rates of return on assets from: |                          |       | Rates of return on equity from: |                          |       |  |
|                |                      |                      | Current<br>income               | Real<br>capital<br>gains | Total | Current<br>income               | Real<br>capital<br>gains | Total |  |
| Percent        |                      |                      |                                 |                          |       |                                 |                          |       |  |
| Alabama        | 11.34                | 12.78                | 5.83                            | 5.20                     | 11.03 | 5.53                            | 6.19                     | 11.72 | 20.91  |
| Alaska         | 2.80                 | 2.88                 | -0.04                           | -0.44                    | -0.48 | -0.27                           | -0.37                    | -0.64 | -0.80  |
| Arizona        | 9.95                 | 11.05                | 5.66                            | 0.21                     | 5.87  | 5.44                            | 0.48                     | 5.91  | 32.09  |
| Arkansas       | 19.53                | 24.27                | 6.02                            | -0.23                    | 5.79  | 5.57                            | 0.25                     | 5.82  | 18.84  |
| California     | 18.86                | 23.24                | 7.22                            | -2.32                    | 4.90  | 7.19                            | -2.33                    | 4.86  | 24.09  |
| Colorado       | 15.63                | 18.53                | 4.03                            | 6.58                     | 10.62 | 3.40                            | 8.26                     | 11.66 | 15.69  |
| Connecticut    | 8.04                 | 8.75                 | 4.50                            | 5.27                     | 9.78  | 4.34                            | 5.97                     | 10.31 | 21.22  |
| Delaware       | 21.96                | 28.14                | 6.68                            | 6.97                     | 13.65 | 6.77                            | 9.65                     | 16.42 | 14.76  |
| Florida        | 15.47                | 18.31                | 8.07                            | 3.11                     | 11.18 | 8.18                            | 4.08                     | 12.26 | 31.35  |
| Georgia        | 16.80                | 20.19                | 7.07                            | -1.26                    | 5.81  | 7.00                            | -1.05                    | 5.95  | 23.73  |
| Hawaii         | 6.05                 | 6.44                 | 0.81                            | 7.19                     | 8.01  | 0.39                            | 7.88                     | 8.27  | 6.68   |
| Idaho          | 18.88                | 23.27                | 6.89                            | 7.58                     | 14.47 | 6.80                            | 10.06                    | 16.85 | 27.06  |
| Illinois       | 13.69                | 15.86                | 2.44                            | 5.61                     | 8.05  | 1.58                            | 6.90                     | 8.48  | 14.13  |
| Indiana        | 15.93                | 18.94                | 2.47                            | 3.59                     | 6.06  | 1.44                            | 4.76                     | 6.20  | 11.81  |
| Iowa           | 19.20                | 23.76                | 0.58                            | 2.95                     | 3.53  | -1.09                           | 4.17                     | 3.08  | 2.62   |
| Kansas         | 18.76                | 23.10                | 3.90                            | 4.21                     | 8.11  | 2.96                            | 5.72                     | 8.68  | 13.94  |
| Kentucky       | 13.76                | 15.96                | 1.97                            | 1.93                     | 3.90  | 1.13                            | 2.64                     | 3.77  | 9.67   |
| Louisiana      | 19.63                | 24.43                | 2.77                            | 0.08                     | 2.86  | 1.51                            | 0.66                     | 2.18  | 10.23  |
| Maine          | 15.16                | 17.87                | 1.38                            | 4.65                     | 6.03  | 0.43                            | 5.88                     | 6.31  | 5.56   |
| Maryland       | 13.19                | 15.20                | 1.67                            | 7.58                     | 9.25  | 1.00                            | 9.14                     | 10.14 | 8.15   |
| Massachusetts  | 9.33                 | 10.28                | 1.58                            | 5.23                     | 6.81  | 1.07                            | 6.04                     | 7.11  | 10.54  |
| Michigan       | 16.19                | 19.32                | -0.53                           | 3.14                     | 2.61  | -2.01                           | 4.21                     | 2.20  | -2.28  |
| Minnesota      | 19.38                | 24.04                | -3.74                           | -0.59                    | -4.34 | -6.34                           | -0.20                    | -6.54 | -17.98   |
| Mississippi    | 18.44                | 22.60                | 1.95                            | 2.10                     | 4.04  | 0.43                            | 3.13                     | 3.56  | 7.37   |
| Missouri       | 15.37                | 18.16                | -0.88                           | 0.88                     | -0.01 | -2.45                           | 1.46                     | -0.99 | -5.61  |
| Montana        | 13.09                | 15.06                | 3.60                            | 7.18                     | 10.79 | 3.04                            | 8.69                     | 11.74 | 28.73  |
| Nebraska       | 20.49                | 25.77                | 5.23                            | 5.00                     | 10.24 | 4.52                            | 6.88                     | 11.41 | 17.92  |
| Nevada         | 8.79                 | 9.64                 | 2.33                            | 1.76                     | 4.09  | 1.86                            | 2.16                     | 4.03  | 19.10  |
| New Hampshire  | 7.15                 | 7.70                 | -0.40                           | 5.08                     | 4.68  | -0.90                           | 5.64                     | 4.74  | -2.55  |
| New Jersey     | 7.31                 | 7.89                 | 1.19                            | 3.09                     | 4.28  | 0.78                            | 3.53                     | 4.31  | 9.76   |
| New Mexico     | 10.47                | 11.69                | 3.79                            | 1.06                     | 4.84  | 3.37                            | 1.44                     | 4.81  | 22.67  |
| New York       | 15.64                | 18.54                | -1.32                           | 7.10                     | 5.78  | -2.81                           | 8.88                     | 6.07  | -5.80  |
| North Carolina | 15.66                | 18.57                | 14.78                           | -1.43                    | 13.35 | 16.22                           | -1.27                    | 14.95 | 36.70  |
| North Dakota   | 16.84                | 20.25                | 2.28                            | 3.02                     | 5.31  | 1.20                            | 4.09                     | 5.29  | 12.43  |
| Ohio           | 11.14                | 12.53                | 0.81                            | 5.01                     | 5.82  | -0.12                           | 5.98                     | 5.86  | 4.30   |
| Oklahoma       | 17.13                | 20.67                | 2.64                            | -0.01                    | 2.63  | 1.65                            | 0.46                     | 2.11  | 12.81  |
| Oregon         | 14.53                | 17.00                | 4.78                            | 4.83                     | 9.61  | 4.35                            | 6.21                     | 10.56 | 20.43  |
| Pennsylvania   | 12.06                | 13.71                | -0.86                           | 4.07                     | 3.21  | -1.86                           | 4.96                     | 3.10  | -4.24  |
| Rhode Island   | 9.72                 | 10.76                | 8.72                            | 5.62                     | 14.33 | 9.00                            | 6.49                     | 15.48 | 41.43  |
| South Carolina | 11.79                | 13.37                | 2.49                            | -0.32                    | 2.16  | 1.81                            | -0.04                    | 1.77  | 12.37  |
| South Dakota   | 19.18                | 23.73                | 3.99                            | 3.29                     | 7.28  | 3.10                            | 4.60                     | 7.69  | 19.33  |
| Tennessee      | 10.71                | 11.99                | -1.05                           | -2.51                    | -3.56 | -2.08                           | -2.52                    | -4.61 | -7.81  |
| Texas          | 12.21                | 13.90                | 3.78                            | 0.75                     | 4.53  | 3.28                            | 1.17                     | 4.45  | 19.90  |
| Utah           | 10.16                | 11.31                | 2.20                            | 3.67                     | 5.87  | 1.63                            | 4.36                     | 5.99  | 15.12  |
| Vermont        | 13.89                | 16.13                | -1.05                           | 8.08                     | 7.03  | -2.22                           | 9.74                     | 7.52  | -4.95  |
| Virginia       | 11.89                | 13.50                | 0.08                            | -0.85                    | -0.78 | -0.89                           | -0.65                    | -1.54 | 0.55   |
| Washington     | 15.76                | 18.70                | 8.12                            | 8.77                     | 16.89 | 8.29                            | 10.90                    | 19.19 | 26.79  |
| West Virginia  | 11.87                | 13.46                | -3.17                           | -3.05                    | -6.21 | -4.55                           | -3.15                    | -7.70 | -25.35   |
| Wisconsin      | 20.42                | 25.67                | -2.57                           | 1.31                     | -1.27 | -5.04                           | 2.21                     | -2.83 | -10.39   |
| Wyoming        | 11.91                | 13.52                | 1.53                            | 6.50                     | 8.03  | 0.76                            | 7.69                     | 8.46  | 11.89  |
| United States  | 15.61                | 18.50                | 2.91                            | 2.44                     | 5.35  | 2.07                            | 3.32                     | 5.39  | 12.99  |

Source: Economic Research Service, U.S. Department of Agriculture.

**Table 4-4—Farm financial ratios by State, 1994**

| Year           | Liquidity                           |                |                       | Efficiency   |                                    |                      |                              |
|----------------|-------------------------------------|----------------|-----------------------|--------------|------------------------------------|----------------------|------------------------------|
|                | Farm business debt service coverage | Debt servicing | Times interest earned | Gross ratio  | Interest to gross cash farm income | Asset turnover ratio | Net cash farm income to debt |
|                |                                     |                |                       | <i>Ratio</i> |                                    |                      |                              |
| Alabama        | 4.50                                | 0.09           | 10.58                 | 64.21        | 3.53                               | 26.14                | 93.33                        |
| Alaska         | 2.98                                | 0.14           | 4.57                  | 66.31        | 8.65                               | 5.33                 | 82.19                        |
| Arizona        | 2.45                                | 0.13           | 6.00                  | 72.38        | 4.99                               | 15.89                | 52.89                        |
| Arkansas       | 3.01                                | 0.11           | 6.65                  | 71.18        | 4.50                               | 34.49                | 59.11                        |
| California     | 2.79                                | 0.12           | 6.80                  | 71.96        | 4.75                               | 31.42                | 53.55                        |
| Colorado       | 1.66                                | 0.14           | 3.71                  | 82.75        | 5.42                               | 22.76                | 33.18                        |
| Connecticut    | 5.00                                | 0.08           | 13.63                 | 61.49        | 3.14                               | 20.58                | 104.68                       |
| Delaware       | 2.46                                | 0.09           | 6.08                  | 81.54        | 3.49                               | 45.55                | 49.19                        |
| Florida        | 3.85                                | 0.11           | 8.56                  | 61.17        | 5.11                               | 24.55                | 68.66                        |
| Georgia        | 4.05                                | 0.11           | 10.25                 | 61.64        | 4.30                               | 31.21                | 79.50                        |
| Hawaii         | 1.59                                | 0.09           | 5.08                  | 89.16        | 3.95                               | 11.98                | 29.08                        |
| Idaho          | 1.79                                | 0.16           | 4.65                  | 77.21        | 6.30                               | 24.15                | 36.66                        |
| Illinois       | 1.49                                | 0.17           | 5.03                  | 81.31        | 6.97                               | 14.80                | 28.21                        |
| Indiana        | 1.25                                | 0.17           | 3.74                  | 85.89        | 7.13                               | 16.88                | 22.68                        |
| Iowa           | 1.37                                | 0.18           | 5.17                  | 82.11        | 7.30                               | 20.01                | 26.32                        |
| Kansas         | 1.89                                | 0.15           | 5.01                  | 77.73        | 5.78                               | 26.82                | 40.27                        |
| Kentucky       | 3.11                                | 0.14           | 6.64                  | 62.53        | 5.92                               | 18.24                | 57.40                        |
| Louisiana      | 2.06                                | 0.15           | 4.99                  | 75.61        | 5.86                               | 27.51                | 43.16                        |
| Maine          | 2.02                                | 0.14           | 6.15                  | 77.00        | 4.97                               | 24.34                | 43.84                        |
| Maryland       | 2.18                                | 0.12           | 5.15                  | 78.06        | 5.13                               | 18.62                | 39.52                        |
| Massachusetts  | 3.09                                | 0.13           | 8.16                  | 64.81        | 4.92                               | 14.98                | 64.05                        |
| Michigan       | 1.65                                | 0.14           | 3.39                  | 82.14        | 5.73                               | 21.96                | 32.51                        |
| Minnesota      | 1.10                                | 0.19           | 4.01                  | 86.35        | 7.76                               | 20.44                | 22.08                        |
| Mississippi    | 1.63                                | 0.14           | 4.51                  | 82.31        | 5.90                               | 25.92                | 33.10                        |
| Missouri       | 1.58                                | 0.18           | 3.40                  | 78.68        | 7.30                               | 16.05                | 29.76                        |
| Montana        | 1.70                                | 0.21           | 3.61                  | 72.91        | 8.71                               | 11.66                | 31.53                        |
| Nebraska       | 1.76                                | 0.17           | 5.22                  | 76.34        | 6.64                               | 25.73                | 37.89                        |
| Nevada         | 2.09                                | 0.13           | 5.25                  | 78.45        | 5.45                               | 12.04                | 37.39                        |
| New Hampshire  | 3.97                                | 0.09           | 11.10                 | 67.06        | 3.58                               | 15.09                | 77.11                        |
| New Jersey     | 3.82                                | 0.10           | 9.85                  | 65.70        | 4.00                               | 12.73                | 71.92                        |
| New Mexico     | 2.12                                | 0.13           | 5.67                  | 77.65        | 5.16                               | 15.49                | 41.67                        |
| New York       | 2.04                                | 0.15           | 4.90                  | 75.01        | 5.50                               | 22.44                | 42.82                        |
| North Carolina | 5.46                                | 0.08           | 14.34                 | 59.59        | 3.10                               | 41.26                | 112.61                       |
| North Dakota   | 1.75                                | 0.20           | 4.44                  | 72.52        | 7.76                               | 17.50                | 36.29                        |
| Ohio           | 2.59                                | 0.12           | 6.07                  | 73.01        | 5.16                               | 16.84                | 48.64                        |
| Oklahoma       | 1.63                                | 0.18           | 5.07                  | 76.65        | 6.66                               | 19.30                | 33.58                        |
| Oregon         | 2.07                                | 0.12           | 5.08                  | 79.98        | 4.83                               | 21.41                | 37.87                        |
| Pennsylvania   | 2.61                                | 0.12           | 5.75                  | 73.67        | 4.77                               | 19.44                | 49.93                        |
| Rhode Island   | 6.10                                | 0.10           | 16.14                 | 45.25        | 3.67                               | 20.36                | 124.90                       |
| South Carolina | 3.43                                | 0.11           | 8.68                  | 65.40        | 4.45                               | 20.76                | 70.18                        |
| South Dakota   | 1.96                                | 0.21           | 5.79                  | 67.54        | 7.73                               | 20.18                | 41.94                        |
| Tennessee      | 2.49                                | 0.16           | 5.39                  | 67.32        | 6.58                               | 13.61                | 49.09                        |
| Texas          | 2.55                                | 0.14           | 6.55                  | 70.19        | 5.06                               | 18.03                | 51.73                        |
| Utah           | 2.24                                | 0.15           | 5.70                  | 72.95        | 5.67                               | 13.38                | 44.43                        |
| Vermont        | 2.61                                | 0.13           | 6.28                  | 70.45        | 5.19                               | 20.48                | 50.83                        |
| Virginia       | 2.60                                | 0.15           | 5.74                  | 67.43        | 6.24                               | 14.27                | 47.91                        |
| Washington     | 2.61                                | 0.11           | 6.05                  | 76.23        | 4.15                               | 29.22                | 51.09                        |
| West Virginia  | 1.96                                | 0.16           | 3.77                  | 75.11        | 7.10                               | 12.46                | 34.38                        |
| Wisconsin      | 1.20                                | 0.17           | 3.17                  | 86.08        | 6.73                               | 23.64                | 24.34                        |
| Wyoming        | 1.33                                | 0.21           | 2.68                  | 79.87        | 8.17                               | 11.25                | 27.12                        |
| United States  | 2.17                                | 0.14           | 5.67                  | 74.42        | 5.72                               | 21.40                | 42.91                        |

See footnote at end of table.

Continued—

**Table 4-4—Farm financial ratios by State, 1994—Continued**

| State          | Solvency       |                | Profitability                   |                    |       |                                 |                    |       | Returns to farm assets to gross cash farm income |
|----------------|----------------|----------------|---------------------------------|--------------------|-------|---------------------------------|--------------------|-------|--|
|                | Debt to assets | Debt to equity | Rates of return on assets from: |                    |       | Rates of return on equity from: |                    |       |  |
|                |                |                | Current income                  | Real capital gains | Total | Current income                  | Real capital gains | Total |  |
|                |                |                | Percent                         |                    |       |                                 |                    |       |  |
| Alabama        | 10.71          | 12.00          | 6.66                            | 6.07               | 12.74 | 6.45                            | 7.11               | 13.56 | 25.50  |
| Alaska         | 2.70           | 2.77           | -0.13                           | -0.96              | -1.08 | -0.61                           | -0.92              | -1.52 | -2.39  |
| Arizona        | 9.65           | 10.69          | 3.33                            | 3.22               | 6.55  | 2.81                            | 3.83               | 6.64  | 20.95  |
| Arkansas       | 19.36          | 24.01          | 7.70                            | -0.68              | 7.02  | 7.63                            | -0.28              | 7.35  | 22.32  |
| California     | 19.62          | 24.41          | 7.71                            | -2.80              | 4.91  | 7.70                            | -2.92              | 4.78  | 24.54  |
| Colorado       | 15.48          | 18.32          | 1.72                            | 3.01               | 4.73  | 0.57                            | 3.99               | 4.56  | 7.54   |
| Connecticut    | 8.34           | 9.10           | 3.98                            | -0.99              | 2.99  | 3.64                            | -0.88              | 2.76  | 19.36  |
| Delaware       | 18.79          | 23.13          | 5.83                            | 3.00               | 8.83  | 5.32                            | 4.40               | 9.72  | 12.80  |
| Florida        | 15.93          | 18.95          | 7.22                            | -0.56              | 6.67  | 7.08                            | -0.23              | 6.85  | 29.42  |
| Georgia        | 16.69          | 20.03          | 9.88                            | 2.84               | 12.72 | 10.26                           | 3.87               | 14.13 | 31.66  |
| Hawaii         | 6.13           | 6.53           | 0.80                            | -7.43              | -6.62 | 0.35                            | -7.75              | -7.40 | 6.70   |
| Idaho          | 19.44          | 24.13          | 4.39                            | 2.09               | 6.48  | 3.55                            | 3.12               | 6.67  | 18.18  |
| Illinois       | 13.26          | 15.28          | 4.05                            | 4.20               | 8.25  | 3.48                            | 5.21               | 8.69  | 27.35  |
| Indiana        | 15.69          | 18.62          | 0.76                            | 2.77               | 3.53  | -0.52                           | 3.72               | 3.20  | 4.52   |
| Iowa           | 19.11          | 23.63          | 5.37                            | 0.56               | 5.93  | 4.83                            | 1.24               | 6.08  | 26.84  |
| Kansas         | 18.59          | 22.84          | 5.23                            | 1.46               | 6.69  | 4.53                            | 2.33               | 6.86  | 19.50  |
| Kentucky       | 13.82          | 16.04          | 3.25                            | 4.02               | 7.27  | 2.51                            | 5.03               | 7.54  | 17.79  |
| Louisiana      | 18.94          | 23.36          | 5.78                            | 4.07               | 9.84  | 5.16                            | 5.60               | 10.76 | 21.00  |
| Maine          | 15.90          | 18.90          | 0.63                            | -1.70              | -1.07 | -0.69                           | -1.59              | -2.28 | 2.58   |
| Maryland       | 12.35          | 14.09          | 1.42                            | 6.29               | 7.71  | 0.53                            | 7.55               | 8.08  | 7.61   |
| Massachusetts  | 9.44           | 10.43          | 2.14                            | -1.01              | 1.13  | 1.54                            | -0.87              | 0.68  | 14.26  |
| Michigan       | 15.68          | 18.60          | -1.67                           | 2.81               | 1.13  | -3.49                           | 3.78               | 0.29  | -7.62  |
| Minnesota      | 20.26          | 25.40          | 1.40                            | -1.27              | 0.12  | -0.24                           | -1.03              | -1.26 | 6.83   |
| Mississippi    | 18.51          | 22.71          | 4.35                            | -0.50              | 3.85  | 3.46                            | -0.10              | 3.36  | 16.78  |
| Missouri       | 15.49          | 18.33          | 0.69                            | -0.48              | 0.21  | -0.56                           | -0.15              | -0.71 | 4.32   |
| Montana        | 13.39          | 15.46          | 1.56                            | 3.62               | 5.19  | 0.63                            | 4.52               | 5.15  | 13.41  |
| Nebraska       | 20.66          | 26.04          | 5.99                            | 1.26               | 7.25  | 5.39                            | 2.19               | 7.58  | 23.29  |
| Nevada         | 8.60           | 9.41           | 1.05                            | 2.03               | 3.08  | 0.43                            | 2.45               | 2.88  | 8.72   |
| New Hampshire  | 7.14           | 7.69           | -0.68                           | -1.15              | -1.82 | -1.31                           | -1.06              | -2.37 | -4.49  |
| New Jersey     | 6.27           | 6.69           | -0.08                           | 4.40               | 4.31  | -0.63                           | 4.89               | 4.26  | -0.64  |
| New Mexico     | 10.00          | 11.11          | 1.96                            | 1.23               | 3.19  | 1.29                            | 1.63               | 2.93  | 12.65  |
| New York       | 16.33          | 19.52          | -2.15                           | -0.78              | -2.93 | -4.02                           | -0.49              | -4.51 | -9.57  |
| North Carolina | 16.21          | 19.34          | 17.24                           | 2.45               | 19.69 | 18.99                           | 3.33               | 22.32 | 41.79  |
| North Dakota   | 17.14          | 20.69          | 4.48                            | 0.48               | 4.95  | 3.76                            | 1.04               | 4.80  | 25.58  |
| Ohio           | 11.12          | 12.51          | 1.88                            | 6.31               | 8.20  | 1.14                            | 7.38               | 8.53  | 11.20  |
| Oklahoma       | 17.37          | 21.03          | 2.19                            | -0.09              | 2.09  | 1.09                            | 0.37               | 1.45  | 11.33  |
| Oregon         | 13.60          | 15.74          | 2.40                            | 4.53               | 6.93  | 1.59                            | 5.65               | 7.24  | 11.21  |
| Pennsylvania   | 12.16          | 13.85          | -2.04                           | -0.21              | -2.25 | -3.38                           | 0.08               | -3.30 | -10.50   |
| Rhode Island   | 9.34           | 10.30          | 3.78                            | -0.82              | 2.95  | 3.35                            | -0.66              | 2.69  | 18.55  |
| South Carolina | 11.32          | 12.77          | 5.28                            | 3.34               | 8.62  | 4.93                            | 4.08               | 9.00  | 25.45  |
| South Dakota   | 19.50          | 24.22          | 6.73                            | 1.33               | 8.06  | 6.41                            | 2.20               | 8.61  | 33.35  |
| Tennessee      | 11.05          | 12.42          | -0.63                           | 1.22               | 0.59  | -1.71                           | 1.64               | -0.07 | -4.65  |
| Texas          | 12.11          | 13.78          | 3.43                            | 0.97               | 4.40  | 2.86                            | 1.43               | 4.29  | 19.02  |
| Utah           | 9.57           | 10.58          | 0.24                            | 6.25               | 6.49  | -0.58                           | 7.19               | 6.61  | 1.77   |
| Vermont        | 14.11          | 16.42          | -1.01                           | 2.54               | 1.53  | -2.41                           | 3.33               | 0.92  | -4.91  |
| Virginia       | 11.24          | 12.66          | 1.09                            | -0.18              | 0.91  | 0.23                            | 0.10               | 0.33  | 7.67   |
| Washington     | 16.18          | 19.30          | 6.73                            | 0.02               | 6.75  | 6.57                            | 0.46               | 7.03  | 23.04  |
| West Virginia  | 11.32          | 12.76          | -2.38                           | -2.29              | -4.67 | -3.70                           | -2.28              | -5.98 | -19.14   |
| Wisconsin      | 19.71          | 24.55          | -0.93                           | 2.20               | 1.27  | -3.16                           | 3.34               | 0.18  | -3.94  |
| Wyoming        | 11.58          | 13.09          | -0.27                           | 2.27               | 2.00  | -1.35                           | 2.88               | 1.53  | -2.43  |
| United States  | 15.60          | 18.48          | 3.58                            | 1.33               | 4.91  | 2.79                            | 2.01               | 4.79  | 16.71  |

Source: Economic Research Service, U.S. Department of Agriculture.

**Table 4-5—Farm financial ratios by State, 1995**

| Year           | Liquidity                           |                |                       | Efficiency   |                                    |                      |                              |
|----------------|-------------------------------------|----------------|-----------------------|--------------|------------------------------------|----------------------|------------------------------|
|                | Farm business debt service coverage | Debt servicing | Times interest earned | Gross ratio  | Interest to gross cash farm income | Asset turnover ratio | Net cash farm income to debt |
|                |                                     |                |                       | <i>Ratio</i> |                                    |                      |                              |
| Alabama        | 3.72                                | 0.09           | 7.73                  | 69.04        | 3.72                               | 24.06                | 77.29                        |
| Alaska         | 5.40                                | 0.08           | 11.72                 | 59.18        | 3.41                               | 5.66                 | 105.29                       |
| Arizona        | 2.99                                | 0.12           | 7.50                  | 68.24        | 4.75                               | 16.29                | 66.54                        |
| Arkansas       | 2.95                                | 0.12           | 6.41                  | 69.67        | 4.83                               | 32.87                | 57.88                        |
| California     | 2.36                                | 0.12           | 5.37                  | 76.76        | 4.95                               | 31.64                | 46.42                        |
| Colorado       | 1.48                                | 0.14           | 3.72                  | 84.55        | 5.85                               | 22.38                | 30.28                        |
| Connecticut    | 4.19                                | 0.09           | 11.11                 | 66.50        | 3.22                               | 19.72                | 87.56                        |
| Delaware       | 2.33                                | 0.08           | 5.08                  | 84.02        | 3.17                               | 44.32                | 46.14                        |
| Florida        | 3.25                                | 0.12           | 7.09                  | 67.29        | 5.23                               | 23.79                | 58.06                        |
| Georgia        | 3.92                                | 0.11           | 8.92                  | 62.71        | 4.35                               | 32.21                | 78.29                        |
| Hawaii         | 1.23                                | 0.09           | 3.97                  | 92.81        | 3.66                               | 11.44                | 23.51                        |
| Idaho          | 1.72                                | 0.16           | 4.34                  | 78.52        | 6.37                               | 24.09                | 35.80                        |
| Illinois       | 1.96                                | 0.17           | 2.92                  | 73.99        | 7.15                               | 14.94                | 38.51                        |
| Indiana        | 1.93                                | 0.16           | 2.98                  | 76.20        | 6.87                               | 17.97                | 36.08                        |
| Iowa           | 2.05                                | 0.17           | 3.92                  | 71.63        | 7.29                               | 21.50                | 40.87                        |
| Kansas         | 1.69                                | 0.16           | 3.43                  | 79.94        | 6.28                               | 26.10                | 36.82                        |
| Kentucky       | 2.55                                | 0.15           | 4.75                  | 67.41        | 6.54                               | 16.73                | 47.95                        |
| Louisiana      | 2.32                                | 0.14           | 5.27                  | 72.30        | 5.49                               | 25.52                | 46.87                        |
| Maine          | 1.39                                | 0.15           | 3.80                  | 84.67        | 5.19                               | 23.61                | 30.16                        |
| Maryland       | 2.20                                | 0.11           | 4.05                  | 79.51        | 4.60                               | 18.92                | 39.17                        |
| Massachusetts  | 2.93                                | 0.12           | 7.80                  | 69.58        | 4.41                               | 14.53                | 59.61                        |
| Michigan       | 2.22                                | 0.14           | 4.68                  | 74.84        | 5.63                               | 22.16                | 44.47                        |
| Minnesota      | 1.46                                | 0.20           | 3.04                  | 79.37        | 8.16                               | 21.34                | 30.32                        |
| Mississippi    | 2.11                                | 0.14           | 4.12                  | 76.17        | 5.48                               | 26.79                | 41.74                        |
| Missouri       | 1.34                                | 0.20           | 2.01                  | 81.30        | 8.46                               | 14.96                | 25.94                        |
| Montana        | 1.32                                | 0.23           | 3.51                  | 79.40        | 9.54                               | 10.92                | 25.10                        |
| Nebraska       | 1.91                                | 0.17           | 4.20                  | 74.07        | 6.96                               | 26.69                | 42.65                        |
| Nevada         | 1.68                                | 0.14           | 4.14                  | 81.87        | 6.08                               | 10.40                | 30.66                        |
| New Hampshire  | 3.61                                | 0.09           | 9.74                  | 70.36        | 3.47                               | 15.06                | 69.94                        |
| New Jersey     | 3.83                                | 0.09           | 9.91                  | 68.58        | 3.56                               | 12.46                | 69.55                        |
| New Mexico     | 1.90                                | 0.15           | 4.42                  | 77.95        | 6.06                               | 13.21                | 38.08                        |
| New York       | 1.68                                | 0.15           | 3.78                  | 79.97        | 5.55                               | 23.13                | 35.39                        |
| North Carolina | 4.81                                | 0.08           | 11.28                 | 62.98        | 3.28                               | 41.28                | 102.55                       |
| North Dakota   | 1.52                                | 0.22           | 2.55                  | 75.38        | 8.77                               | 17.02                | 32.87                        |
| Ohio           | 2.82                                | 0.13           | 5.38                  | 69.70        | 5.31                               | 16.63                | 54.29                        |
| Oklahoma       | 1.32                                | 0.21           | 2.77                  | 80.91        | 8.06                               | 18.19                | 28.07                        |
| Oregon         | 1.62                                | 0.12           | 3.74                  | 85.10        | 5.11                               | 19.89                | 30.18                        |
| Pennsylvania   | 2.25                                | 0.12           | 4.66                  | 77.87        | 4.69                               | 19.06                | 42.65                        |
| Rhode Island   | 4.73                                | 0.12           | 12.98                 | 48.91        | 4.27                               | 19.65                | 91.61                        |
| South Carolina | 3.00                                | 0.11           | 6.57                  | 70.12        | 4.40                               | 20.36                | 61.99                        |
| South Dakota   | 1.89                                | 0.21           | 3.53                  | 68.29        | 8.42                               | 20.09                | 41.54                        |
| Tennessee      | 1.86                                | 0.17           | 4.17                  | 74.65        | 7.21                               | 12.28                | 36.93                        |
| Texas          | 1.88                                | 0.15           | 4.40                  | 78.47        | 5.74                               | 17.98                | 39.74                        |
| Utah           | 1.87                                | 0.16           | 4.65                  | 76.90        | 6.22                               | 11.74                | 37.95                        |
| Vermont        | 2.25                                | 0.13           | 5.46                  | 74.94        | 5.11                               | 20.24                | 43.48                        |
| Virginia       | 2.43                                | 0.14           | 5.26                  | 70.93        | 6.12                               | 13.82                | 44.93                        |
| Washington     | 2.41                                | 0.11           | 5.23                  | 78.72        | 4.24                               | 30.63                | 48.96                        |
| West Virginia  | 1.65                                | 0.16           | 2.59                  | 80.07        | 7.14                               | 11.90                | 29.37                        |
| Wisconsin      | 1.48                                | 0.17           | 2.59                  | 81.37        | 7.00                               | 23.41                | 30.55                        |
| Wyoming        | 0.91                                | 0.24           | 2.53                  | 87.73        | 9.34                               | 10.22                | 19.31                        |
| United States  | 2.10                                | 0.15           | 4.41                  | 75.04        | 6.00                               | 21.27                | 42.59                        |

See footnote at end of table.

Continued—

**Table 4-5—Farm financial ratios by State, 1995—Continued**

| State          | Solvency             |                      | Profitability                   |                          |       |                                 |                          |        | Returns to<br>farm assets<br>to<br>gross cash<br>farm income |
|----------------|----------------------|----------------------|---------------------------------|--------------------------|-------|---------------------------------|--------------------------|--------|--|
|                | Debt<br>to<br>assets | Debt<br>to<br>equity | Rates of return on assets from: |                          |       | Rates of return on equity from: |                          |        |  |
|                |                      |                      | Current<br>income               | Real<br>capital<br>gains | Total | Current<br>income               | Real<br>capital<br>gains | Total  |  |
|                |                      |                      | Percent                         |                          |       |                                 |                          |        |  |
| Alabama        | 10.88                | 12.21                | 3.72                            | 5.72                     | 9.44  | 3.17                            | 6.71                     | 9.88   | 15.48  |
| Alaska         | 2.05                 | 2.09                 | 0.09                            | 0.80                     | 0.89  | -0.10                           | 0.89                     | 0.79   | 1.62   |
| Arizona        | 8.30                 | 9.06                 | 4.03                            | 10.04                    | 14.08 | 3.58                            | 11.28                    | 14.86  | 24.76  |
| Arkansas       | 20.57                | 25.89                | 5.96                            | -4.48                    | 1.48  | 5.46                            | -4.98                    | 0.48   | 18.14  |
| California     | 18.83                | 23.20                | 5.49                            | 4.90                     | 10.39 | 4.86                            | 6.66                     | 11.52  | 17.36  |
| Colorado       | 15.98                | 19.02                | 2.01                            | 3.68                     | 5.68  | 0.83                            | 4.82                     | 5.65   | 8.96   |
| Connecticut    | 8.21                 | 8.94                 | 1.01                            | 0.53                     | 1.54  | 0.41                            | 0.81                     | 1.22   | 5.12   |
| Delaware       | 18.01                | 21.97                | 2.74                            | 5.10                     | 7.84  | 1.64                            | 6.82                     | 8.46   | 6.18   |
| Florida        | 15.16                | 17.86                | 4.81                            | 0.40                     | 5.21  | 4.22                            | 0.94                     | 5.17   | 20.23  |
| Georgia        | 17.54                | 21.28                | 9.35                            | 4.04                     | 13.39 | 9.60                            | 5.38                     | 14.97  | 29.04  |
| Hawaii         | 4.48                 | 4.69                 | 0.07                            | 3.82                     | 3.89  | -0.37                           | 4.20                     | 3.82   | 0.58   |
| Idaho          | 18.09                | 22.09                | 3.40                            | 4.40                     | 7.80  | 2.30                            | 6.00                     | 8.30   | 14.13  |
| Illinois       | 12.51                | 14.30                | 1.70                            | 7.27                     | 8.97  | 0.73                            | 8.71                     | 9.43   | 11.39  |
| Indiana        | 14.89                | 17.49                | 1.16                            | 5.74                     | 6.90  | -0.09                           | 7.23                     | 7.14   | 6.45   |
| Iowa           | 18.43                | 22.60                | 3.62                            | 3.92                     | 7.54  | 2.52                            | 5.41                     | 7.93   | 16.82  |
| Kansas         | 18.75                | 23.08                | 2.62                            | -0.13                    | 2.49  | 1.21                            | 0.42                     | 1.63   | 10.05  |
| Kentucky       | 13.50                | 15.61                | 0.04                            | 4.33                     | 4.37  | -1.22                           | 5.41                     | 4.19   | 0.27   |
| Louisiana      | 17.30                | 20.92                | 5.34                            | 6.02                     | 11.35 | 4.80                            | 7.90                     | 12.70  | 20.91  |
| Maine          | 16.21                | 19.35                | -7.61                           | -0.34                    | -7.95 | -10.53                          | 0.07                     | -10.45 | -32.23   |
| Maryland       | 11.89                | 13.49                | 0.31                            | 0.79                     | 1.10  | -0.64                           | 1.26                     | 0.62   | 1.63   |
| Massachusetts  | 7.56                 | 8.17                 | -0.68                           | 0.72                     | 0.04  | -1.45                           | 1.05                     | -0.40  | -4.71  |
| Michigan       | 15.02                | 17.68                | -0.75                           | 5.71                     | 4.97  | -2.36                           | 7.20                     | 4.84   | -3.37  |
| Minnesota      | 20.27                | 25.42                | -0.21                           | 2.38                     | 2.16  | -2.45                           | 3.61                     | 1.15   | -1.01  |
| Mississippi    | 19.11                | 23.62                | 3.03                            | -1.04                    | 1.99  | 1.92                            | -0.70                    | 1.22   | 11.31  |
| Missouri       | 15.83                | 18.81                | -1.95                           | 2.05                     | 0.10  | -3.81                           | 2.89                     | -0.93  | -13.03   |
| Montana        | 12.85                | 14.75                | 1.22                            | 0.85                     | 2.07  | 0.20                            | 1.37                     | 1.57   | 11.15  |
| Nebraska       | 20.51                | 25.80                | 4.92                            | 3.10                     | 8.02  | 3.86                            | 4.55                     | 8.41   | 18.45  |
| Nevada         | 7.84                 | 8.51                 | -0.67                           | 8.41                     | 7.74  | -1.42                           | 9.39                     | 7.97   | -6.44  |
| New Hampshire  | 7.11                 | 7.66                 | 0.14                            | 0.47                     | 0.61  | -0.41                           | 0.70                     | 0.29   | 0.94   |
| New Jersey     | 6.27                 | 6.68                 | 0.59                            | -0.57                    | 0.01  | 0.15                            | -0.44                    | -0.29  | 4.71   |
| New Mexico     | 9.54                 | 10.54                | 1.28                            | 5.31                     | 6.59  | 0.54                            | 6.15                     | 6.68   | 9.72   |
| New York       | 17.13                | 20.67                | -3.92                           | -2.02                    | -5.94 | -6.25                           | -1.91                    | -8.17  | -16.96   |
| North Carolina | 16.24                | 19.39                | 15.10                           | 5.37                     | 20.47 | 16.41                           | 6.88                     | 23.28  | 36.58  |
| North Dakota   | 17.44                | 21.13                | 1.44                            | 0.01                     | 1.45  | -0.07                           | 0.54                     | 0.47   | 8.45   |
| Ohio           | 10.71                | 12.00                | 0.70                            | 6.59                     | 7.29  | -0.20                           | 7.70                     | 7.49   | 4.22   |
| Oklahoma       | 17.82                | 21.69                | -0.59                           | -3.18                    | -3.77 | -2.49                           | -3.32                    | -5.81  | -3.23  |
| Oregon         | 12.79                | 14.67                | 0.51                            | 3.29                     | 3.80  | -0.58                           | 4.17                     | 3.59   | 2.57   |
| Pennsylvania   | 11.81                | 13.39                | -3.29                           | 3.70                     | 0.41  | -4.76                           | 4.55                     | -0.21  | -17.28   |
| Rhode Island   | 14.37                | 16.78                | -0.51                           | 1.10                     | 0.59  | -1.53                           | 1.52                     | -0.02  | -2.60  |
| South Carolina | 11.18                | 12.59                | 1.32                            | -1.59                    | -0.27 | 0.47                            | -1.47                    | -0.99  | 6.46   |
| South Dakota   | 19.33                | 23.96                | 1.70                            | 2.34                     | 4.04  | 0.02                            | 3.51                     | 3.52   | 8.48   |
| Tennessee      | 10.62                | 11.88                | -0.04                           | 5.61                     | 5.56  | -1.04                           | 6.59                     | 5.55   | -0.35  |
| Texas          | 12.57                | 14.38                | 1.41                            | 0.16                     | 1.56  | 0.43                            | 0.53                     | 0.96   | 7.82   |
| Utah           | 8.64                 | 9.45                 | -0.07                           | 7.52                     | 7.44  | -0.88                           | 8.52                     | 7.63   | -0.63  |
| Vermont        | 13.98                | 16.26                | -0.52                           | 3.31                     | 2.78  | -1.81                           | 4.26                     | 2.44   | -2.59  |
| Virginia       | 10.43                | 11.65                | -0.62                           | 2.25                     | 1.63  | -1.65                           | 2.84                     | 1.19   | -4.52  |
| Washington     | 15.75                | 18.69                | 5.26                            | 2.61                     | 7.88  | 4.72                            | 3.59                     | 8.31   | 17.18  |
| West Virginia  | 10.63                | 11.89                | -6.69                           | -1.86                    | -8.54 | -8.46                           | -1.77                    | -10.23 | -56.17   |
| Wisconsin      | 19.56                | 24.32                | -2.58                           | 4.94                     | 2.36  | -5.25                           | 6.75                     | 1.50   | -11.03   |
| Wyoming        | 11.31                | 12.75                | -0.98                           | 3.42                     | 2.44  | -2.18                           | 4.19                     | 2.00   | -9.59  |
| United States  | 15.33                | 18.10                | 2.13                            | 3.10                     | 5.24  | 1.01                            | 4.13                     | 5.14   | 10.02  |

Source: Economic Research Service, U.S. Department of Agriculture.

**Table 4-6—Farm financial ratios by State, 1996**

| Year           | Liquidity                           |                |                       | Efficiency   |                                    |                      |                              |
|----------------|-------------------------------------|----------------|-----------------------|--------------|------------------------------------|----------------------|------------------------------|
|                | Farm business debt service coverage | Debt servicing | Times interest earned | Gross ratio  | Interest to gross cash farm income | Asset turnover ratio | Net cash farm income to debt |
|                |                                     |                |                       | <i>Ratio</i> |                                    |                      |                              |
| Alabama        | 3.99                                | 0.09           | 8.72                  | 67.75        | 3.69                               | 25.60                | 83.72                        |
| Alaska         | 5.21                                | 0.08           | 10.69                 | 61.97        | 3.57                               | 5.25                 | 111.22                       |
| Arizona        | 3.37                                | 0.11           | 8.26                  | 67.26        | 4.52                               | 15.22                | 75.26                        |
| Arkansas       | 3.36                                | 0.11           | 8.08                  | 67.61        | 4.54                               | 36.40                | 66.53                        |
| California     | 2.48                                | 0.12           | 5.98                  | 75.28        | 4.99                               | 31.30                | 49.38                        |
| Colorado       | 1.72                                | 0.15           | 4.50                  | 80.46        | 5.66                               | 22.18                | 34.41                        |
| Connecticut    | 4.69                                | 0.09           | 11.36                 | 62.13        | 3.23                               | 19.65                | 100.48                       |
| Delaware       | 2.69                                | 0.08           | 6.60                  | 82.62        | 3.02                               | 45.86                | 54.41                        |
| Florida        | 3.06                                | 0.12           | 6.58                  | 69.54        | 5.47                               | 24.07                | 57.58                        |
| Georgia        | 4.02                                | 0.10           | 9.36                  | 62.63        | 4.21                               | 34.80                | 81.01                        |
| Hawaii         | 0.95                                | 0.09           | 3.29                  | 95.35        | 3.87                               | 9.71                 | 20.33                        |
| Idaho          | 2.06                                | 0.15           | 5.18                  | 75.61        | 5.81                               | 23.12                | 42.55                        |
| Illinois       | 1.74                                | 0.17           | 4.85                  | 77.39        | 7.14                               | 14.65                | 34.25                        |
| Indiana        | 2.03                                | 0.16           | 4.53                  | 74.93        | 6.79                               | 17.26                | 38.63                        |
| Iowa           | 2.35                                | 0.16           | 5.67                  | 68.28        | 6.84                               | 22.76                | 46.87                        |
| Kansas         | 1.80                                | 0.15           | 4.55                  | 79.23        | 6.18                               | 26.74                | 39.50                        |
| Kentucky       | 3.06                                | 0.14           | 5.63                  | 62.63        | 5.85                               | 18.49                | 57.40                        |
| Louisiana      | 2.93                                | 0.12           | 6.24                  | 69.04        | 5.18                               | 29.71                | 61.53                        |
| Maine          | 1.77                                | 0.15           | 4.95                  | 79.21        | 5.27                               | 24.36                | 38.53                        |
| Maryland       | 2.61                                | 0.11           | 6.18                  | 76.43        | 4.48                               | 20.41                | 48.29                        |
| Massachusetts  | 3.73                                | 0.11           | 8.59                  | 64.33        | 4.31                               | 13.47                | 78.87                        |
| Michigan       | 2.03                                | 0.15           | 3.32                  | 76.40        | 5.95                               | 19.86                | 41.00                        |
| Minnesota      | 2.17                                | 0.17           | 4.67                  | 69.54        | 7.07                               | 25.13                | 45.10                        |
| Mississippi    | 2.49                                | 0.13           | 5.73                  | 74.09        | 5.27                               | 28.40                | 49.78                        |
| Missouri       | 1.55                                | 0.19           | 3.92                  | 78.26        | 7.95                               | 16.12                | 29.87                        |
| Montana        | 1.65                                | 0.21           | 3.15                  | 74.76        | 8.65                               | 11.40                | 31.26                        |
| Nebraska       | 2.01                                | 0.17           | 5.91                  | 72.59        | 6.83                               | 26.81                | 44.55                        |
| Nevada         | 1.55                                | 0.14           | 4.55                  | 84.02        | 6.07                               | 9.86                 | 28.68                        |
| New Hampshire  | 3.97                                | 0.09           | 10.32                 | 67.07        | 3.44                               | 15.86                | 79.25                        |
| New Jersey     | 3.89                                | 0.10           | 10.51                 | 66.34        | 3.68                               | 12.67                | 66.77                        |
| New Mexico     | 2.06                                | 0.13           | 5.01                  | 78.16        | 5.19                               | 14.09                | 40.18                        |
| New York       | 1.98                                | 0.15           | 4.69                  | 76.47        | 5.57                               | 24.46                | 42.92                        |
| North Carolina | 5.22                                | 0.08           | 13.71                 | 61.85        | 2.93                               | 43.03                | 109.91                       |
| North Dakota   | 1.73                                | 0.20           | 4.38                  | 73.24        | 8.00                               | 18.90                | 37.40                        |
| Ohio           | 3.08                                | 0.13           | 5.91                  | 66.68        | 5.18                               | 17.07                | 59.67                        |
| Oklahoma       | 1.27                                | 0.21           | 2.97                  | 81.86        | 8.10                               | 18.01                | 26.70                        |
| Oregon         | 2.14                                | 0.12           | 4.98                  | 79.94        | 4.96                               | 20.20                | 41.03                        |
| Pennsylvania   | 2.87                                | 0.11           | 6.51                  | 72.27        | 4.55                               | 20.17                | 55.26                        |
| Rhode Island   | 4.36                                | 0.11           | 11.42                 | 54.65        | 4.38                               | 17.32                | 88.09                        |
| South Carolina | 3.32                                | 0.11           | 7.83                  | 68.85        | 4.23                               | 21.18                | 71.53                        |
| South Dakota   | 1.98                                | 0.20           | 5.46                  | 68.44        | 8.05                               | 21.44                | 43.49                        |
| Tennessee      | 2.29                                | 0.16           | 3.67                  | 70.04        | 6.49                               | 12.85                | 44.94                        |
| Texas          | 2.19                                | 0.14           | 4.45                  | 74.56        | 5.69                               | 17.87                | 45.90                        |
| Utah           | 1.74                                | 0.17           | 5.27                  | 76.27        | 5.77                               | 11.52                | 34.36                        |
| Vermont        | 2.86                                | 0.13           | 6.68                  | 68.51        | 4.83                               | 21.29                | 56.79                        |
| Virginia       | 2.55                                | 0.14           | 5.13                  | 71.08        | 5.84                               | 14.06                | 48.49                        |
| Washington     | 2.92                                | 0.10           | 7.46                  | 74.62        | 4.13                               | 31.87                | 60.75                        |
| West Virginia  | 1.42                                | 0.17           | 1.65                  | 83.73        | 7.36                               | 10.24                | 26.02                        |
| Wisconsin      | 1.62                                | 0.17           | 3.1                   | 79.34        | 6.96                               | 24.16                | 33.76                        |
| Wyoming        | 0.64                                | 0.26           | 2.25                  | 93.49        | 10.00                              | 9.09                 | 13.31                        |
| United States  | 2.33                                | 0.14           | 5.47                  | 72.83        | 5.79                               | 21.84                | 47.35                        |

See footnote at end of table.

Continued—

**Table 4-6—Farm financial ratios by State, 1996—Continued**

| State          | Solvency             |                      | Profitability                   |                          |       |                                 |                          |       | Returns to<br>farm assets<br>to<br>gross cash<br>farm income |
|----------------|----------------------|----------------------|---------------------------------|--------------------------|-------|---------------------------------|--------------------------|-------|--|
|                | Debt<br>to<br>assets | Debt<br>to<br>equity | Rates of return on assets from: |                          |       | Rates of return on equity from: |                          |       |  |
|                |                      |                      | Current<br>income               | Real<br>capital<br>gains | Total | Current<br>income               | Real<br>capital<br>gains | Total |  |
|                |                      |                      |                                 |                          |       |                                 |                          |       |  |
| Percent        |                      |                      |                                 |                          |       |                                 |                          |       |  |
| Alabama        | 10.98                | 12.34                | 5.02                            | 1.87                     | 6.90  | 4.56                            | 2.37                     | 6.93  | 19.63  |
| Alaska         | 2.07                 | 2.11                 | -0.12                           | 0.06                     | -0.06 | -0.33                           | 0.11                     | -0.21 | -2.22  |
| Arizona        | 6.92                 | 7.43                 | 4.00                            | 3.25                     | 7.26  | 3.62                            | 3.75                     | 7.37  | 26.31  |
| Arkansas       | 20.12                | 25.19                | 9.84                            | -3.42                    | 6.42  | 10.35                           | -3.73                    | 6.62  | 27.03  |
| California     | 18.81                | 23.16                | 6.81                            | 2.25                     | 9.07  | 6.46                            | 3.31                     | 9.77  | 21.77  |
| Colorado       | 16.17                | 19.30                | 3.02                            | 2.25                     | 5.27  | 2.08                            | 3.09                     | 5.17  | 13.61  |
| Connecticut    | 7.95                 | 8.64                 | 1.69                            | 6.15                     | 7.84  | 1.15                            | 6.92                     | 8.07  | 8.59   |
| Delaware       | 16.52                | 19.79                | 4.94                            | 5.39                     | 10.33 | 4.30                            | 7.02                     | 11.33 | 10.76  |
| Florida        | 14.99                | 17.63                | 5.29                            | -2.46                    | 2.83  | 4.69                            | -2.49                    | 2.21  | 21.97  |
| Georgia        | 17.96                | 21.88                | 11.15                           | 1.76                     | 12.91 | 11.71                           | 2.62                     | 14.32 | 32.05  |
| Hawaii         | 4.39                 | 4.59                 | -0.20                           | 1.50                     | 1.30  | -0.65                           | 1.82                     | 1.16  | -2.04  |
| Idaho          | 17.13                | 20.67                | 4.76                            | 3.22                     | 7.98  | 4.44                            | 4.70                     | 9.14  | 20.58  |
| Illinois       | 12.65                | 14.49                | 4.29                            | 3.57                     | 7.86  | 3.67                            | 4.36                     | 8.03  | 29.31  |
| Indiana        | 14.34                | 16.74                | 3.25                            | 4.89                     | 8.14  | 2.50                            | 6.26                     | 8.76  | 18.84  |
| Iowa           | 18.24                | 22.31                | 7.23                            | 5.41                     | 12.64 | 6.80                            | 6.99                     | 13.79 | 31.78  |
| Kansas         | 17.81                | 21.67                | 4.73                            | 1.41                     | 6.14  | 3.76                            | 2.25                     | 6.01  | 17.67  |
| Kentucky       | 14.06                | 16.37                | 1.87                            | 1.64                     | 3.51  | 0.91                            | 2.24                     | 3.15  | 10.11  |
| Louisiana      | 17.48                | 21.18                | 6.97                            | 2.39                     | 9.36  | 6.55                            | 3.39                     | 9.94  | 23.47  |
| Maine          | 16.85                | 20.27                | -0.70                           | -1.99                    | -2.69 | -2.39                           | -1.94                    | -4.32 | -2.88  |
| Maryland       | 11.68                | 13.22                | 2.69                            | 1.47                     | 4.15  | 2.00                            | 1.96                     | 3.96  | 13.17  |
| Massachusetts  | 7.48                 | 8.09                 | 0.27                            | 6.10                     | 6.38  | -0.37                           | 7.45                     | 7.09  | 2.02   |
| Michigan       | 14.89                | 17.49                | -1.44                           | 4.63                     | 3.18  | -3.23                           | 6.09                     | 2.86  | -7.27  |
| Minnesota      | 20.40                | 25.62                | 2.65                            | 3.17                     | 5.82  | 1.06                            | 4.46                     | 5.52  | 10.54  |
| Mississippi    | 17.50                | 21.21                | 4.90                            | 0.13                     | 5.03  | 4.28                            | 0.71                     | 4.98  | 17.25  |
| Missouri       | 16.09                | 19.17                | 1.20                            | 1.49                     | 2.69  | -0.09                           | 2.20                     | 2.10  | 7.46   |
| Montana        | 12.40                | 14.15                | 1.31                            | 3.71                     | 5.02  | 0.38                            | 4.67                     | 5.05  | 11.50  |
| Nebraska       | 19.92                | 24.88                | 8.29                            | 3.48                     | 11.77 | 7.93                            | 4.85                     | 12.79 | 30.92  |
| Nevada         | 7.22                 | 7.78                 | -0.53                           | 1.89                     | 1.36  | -1.21                           | 2.22                     | 1.01  | -5.39  |
| New Hampshire  | 7.57                 | 8.19                 | 0.88                            | -1.66                    | -0.78 | 0.37                            | -1.63                    | -1.27 | 5.56   |
| New Jersey     | 7.96                 | 8.64                 | 1.73                            | -0.73                    | 1.00  | 1.37                            | -0.63                    | 0.74  | 13.69  |
| New Mexico     | 9.63                 | 10.65                | 2.14                            | 2.55                     | 4.69  | 1.58                            | 3.08                     | 4.66  | 15.20  |
| New York       | 16.04                | 19.10                | -1.89                           | 3.78                     | 1.89  | -3.90                           | 5.00                     | 1.10  | -7.73  |
| North Carolina | 16.68                | 20.02                | 15.50                           | 0.27                     | 15.77 | 17.45                           | 0.78                     | 18.24 | 36.02  |
| North Dakota   | 17.40                | 21.06                | 5.40                            | 2.30                     | 7.70  | 4.66                            | 3.25                     | 7.91  | 28.55  |
| Ohio           | 11.09                | 12.48                | 2.21                            | 3.96                     | 6.17  | 1.48                            | 4.67                     | 6.15  | 12.96  |
| Oklahoma       | 17.61                | 21.38                | -1.29                           | 0.48                     | -0.80 | -3.34                           | 1.08                     | -2.26 | -7.14  |
| Oregon         | 12.01                | 13.65                | 2.78                            | 2.10                     | 4.87  | 2.04                            | 2.74                     | 4.78  | 13.75  |
| Pennsylvania   | 11.46                | 12.95                | 0.47                            | 1.72                     | 2.19  | -0.50                           | 2.23                     | 1.73  | 2.31   |
| Rhode Island   | 7.70                 | 8.34                 | -0.70                           | 5.69                     | 4.99  | -1.83                           | 7.48                     | 5.66  | -4.05  |
| South Carolina | 11.22                | 12.63                | 3.90                            | -0.62                    | 3.28  | 3.62                            | -0.46                    | 3.16  | 18.43  |
| South Dakota   | 18.96                | 23.39                | 7.29                            | 1.82                     | 9.11  | 6.74                            | 2.76                     | 9.50  | 33.97  |
| Tennessee      | 10.43                | 11.64                | -1.13                           | 3.49                     | 2.37  | -2.21                           | 4.21                     | 2.00  | -8.75  |
| Texas          | 11.60                | 13.12                | 1.25                            | 2.45                     | 3.70  | 0.26                            | 3.10                     | 3.36  | 6.97   |
| Utah           | 11.01                | 12.38                | 0.65                            | 2.94                     | 3.59  | -0.01                           | 3.46                     | 3.45  | 5.68   |
| Vermont        | 14.65                | 17.16                | -0.57                           | 2.60                     | 2.03  | -1.96                           | 3.57                     | 1.61  | -2.66  |
| Virginia       | 9.81                 | 10.87                | 0.50                            | 0.83                     | 1.33  | -0.36                           | 1.19                     | 0.83  | 3.57   |
| Washington     | 14.97                | 17.61                | 7.28                            | 6.12                     | 13.39 | 6.98                            | 7.58                     | 14.56 | 22.83  |
| West Virginia  | 10.35                | 11.54                | -5.63                           | -1.62                    | -7.25 | -8.04                           | -1.77                    | -9.81 | -54.96   |
| Wisconsin      | 19.36                | 24.01                | -1.32                           | 2.94                     | 1.62  | -3.66                           | 4.15                     | 0.49  | -5.45  |
| Wyoming        | 11.01                | 12.38                | -0.10                           | 3.18                     | 3.08  | -1.12                           | 3.82                     | 2.71  | -1.05  |
| United States  | 15.09                | 17.77                | 3.77                            | 2.52                     | 6.29  | 2.95                            | 3.38                     | 6.33  | 17.25  |

Source: Economic Research Service, U.S. Department of Agriculture.



## The Insights of Value-Added Accounts by Farm Size

Roger Strickland and Cheryl Steele

Value added is a production-based measure—that is, the creation of new income through production. The account component, “final agricultural sector output,” is the total of all production from resources controlled by farming operations. The value-added accounts were first used by ERS 6 years ago and were adopted as the standard presentation in 1997. The presence of net farm income as the “bottom-line” in the value-added accounting provides a common reference point, and every line item in the value-added table can be related directly to one or more line items in the traditional farm income accounts. (Those with access to the Internet can view an explanation as to how to accomplish a crosswalk between the value-added format and the traditional farm income format at <http://www.econ.ag.gov/briefing/fbe/fi/finfidva.htm>)

The value-added accounts for measuring farm income are now available by size class. These accounts provide additional perspective and insight into the often differing priorities, management strategies, and operational characteristics of the various participants in the U.S. farm sector. This information supplements the aggregate measures in the national sector accounts and enables a more thorough analytical evaluation of the economics of the U.S. agricultural sector.

The annual size class accounts are maintained and presented in tables 5-1 through 5-4, which contain the accounts for 1996. Table 5-1, with the value-added account, and table 5-3, with the additional details regarding commodities produced, are both expressed in monetary units, which is helpful in gaining perspective. Tables 5-2 and 5-4 are identical to tables 5-1 and 5-3, respectively, except that the information is represented as relationships (shares) and expressed in percentage terms. Knowledge of the relationships supplements the information base formed by the monetary amounts and is often more revealing in terms of priorities of the participants and their operational attributes.

For a simple illustration, the smallest size class (less than \$20,000 of production), representing *63 percent of farms, generated only 6 percent of the farm sector's final output*. In contrast, the largest size class (with

production valued at \$1 million or more) represented *1.1 percent of farms and accounted for 26 percent of final output* (table 5-2). The following illustrates the flexibility of these accounts as a tool in analysis: When combined, the three largest size classes for farms, with production in excess of \$250,000, comprised 8 percent of farm operations and accounted for 61 percent of production. This line of analysis could be pursued from the perspective that the U.S. farm sector has two distinct groups of farms—the less than 10 percent of farms that create a majority of production and a majority of farms that create less than 10 percent of production.

Production of total crops and total livestock are distributed somewhat comparably across the various size groups, with the largest farms producing the biggest share of each. Livestock production is a little more concentrated on the larger farms, reflecting economies of size available in production of eggs, hogs, milk, and beef. The “services and forestry” account presents a contrast, which can be traced primarily to the influence of “gross imputed rental value of dwellings.” There is a correlation between the number of farms and the number of farm dwellings. Consequently, gross imputed rental value of dwellings comprises almost half of the “services and forestry” account across all sales classes.

|                       | Farms with production of— |                          |                       |
|-----------------------|---------------------------|--------------------------|-----------------------|
|                       | \$1 million<br>or more    | \$20,000 to<br>\$999,999 | Less than<br>\$20,000 |
|                       | <i>Percent</i>            |                          |                       |
| Number of farms       | 1.1                       | 36.1                     | 62.8                  |
| Crop output           | 24.0                      | 73.4                     | 2.5                   |
| Livestock output      | 32.3                      | 63.5                     | 4.3                   |
| Services and forestry | 11.5                      | 59.7                     | 28.7                  |
| Total of all output   | 26.2                      | 66.5                     | 5.6                   |

### Some Characteristics of the Smallest Farms

Farms of all sizes show a definite tendency to specialize in certain types of production (table 5-4). The smallest farms are notable for their disproportionate share of production of cattle and calves, tobacco, and miscellaneous livestock, with the latter being the non-

traditional animals. On the other hand, the very largest operations demonstrate a preference for specialty crops (nursery, fruits, vegetables), hogs, cotton, and poultry and eggs, with egg production being particularly concentrated in this size group.

Tobacco is concentrated on small farms because of production controls that were initiated decades ago and are thus locked into historic production patterns existing at the inception of the Government's allotment/quota programs, when farms were predominantly much smaller. The earnings from tobacco became capitalized into the allotments/quotas, and the additional capital costs have served to inhibit consolidation of ownership into larger operations, as large growers prefer to acquire marketing quotas via renting from owners rather than expending capital for purchases.

Production classified as miscellaneous livestock is often small or exotic animals that require more monitoring and hands-on management. Examples would be fish, mink, ostrich, and crayfish. Production of these animals might appeal to that segment of small farms having available relatively more operator and family labor than the small, cattle-producing operations addressed immediately below.

The type and organization of cattle production common to the smaller operations tend to be the low-maintenance cow-calf operations where the feed consists mostly of pasture supplemented by hay. A typical operation might be one in which, during the summer, the cow with calf feeds on pasture land, which is likely to be moist bottom land not conducive to row-cropping but productive for forage crops. Then, during the fall and winter, the growing herd grazes cropland planted to cover crops or small grains. Some calves may be slaughtered for home consumption in the winter and the others sold as yearling or feeders in the early spring to make way for the new calf crop.

A key structural attribute associated with this type of operation that makes it attractive to small operators is that no person needs to be present to assist the cattle in grazing. Even when the animals' diet must be supplemented with hay, a person can distribute the hay once a day. This type of operation leaves the operator and family members free to engage in off-farm employment. Another attribute that may be an important criterion in enterprise selection for those who are engaged in off-farm employment (and not dependent on farm-

ing for their livelihood) is the aesthetic appeal of a cow-calf operation (cute calves, the serenity of pastures, scenic fences, etc.)

## Production of Fungible Commodities

Table 5-4 shows that a disproportionately large percentage of storable, fungible crops, such as food grains, feed crops, and oil crops, are produced on the intermediate-sized farms with sales ranging from \$20,000 to \$1 million. Fungible means that one unit is essentially the same as another unit, regardless of who produces it or where production occurs. The storable attribute is significant because it further limits the opportunities to add value through post-harvest services, such as sorting, grading, special storage, and transportation requirements. Such products are thus more likely to be sold through a local wholesaler (grain elevator), where the commodity is added to the top of the storage bin and sold out of the bottom in a first-in/first-out system for handling indistinguishable (fungible) quantities.

Given that operations with sales ranging from \$100,000 to \$250,000 produce the largest share of these food, feed, and oil crops (table 5-4), the implication may well be that this size of farm is large enough to realize most of the economies of scale in production. At this level of production, farms can fully employ their equipment using state-of-the art technologies, but the nature of the commodities being produced offer little opportunity to add value by assuming the functions of the next "middleman" in the assembly, preparation, or other steps in product marketing.

|                        | Farms with production of— |                          |                       |
|------------------------|---------------------------|--------------------------|-----------------------|
|                        | \$1 million<br>or more    | \$20,000 to<br>\$999,999 | Less than<br>\$20,000 |
|                        | <i>Percent</i>            |                          |                       |
| Livestock and products | 32.3                      | 63.5                     | 4.3                   |
| Food grains            | 12.2                      | 86.5                     | 1.2                   |
| Feed crops             | 9.4                       | 86.9                     | 3.7                   |
| Cotton                 | 33.5                      | 65.8                     | .7                    |
| Tobacco                | 8.8                       | 77.6                     | 13.7                  |
| Oil crops              | 9.1                       | 88.9                     | 1.9                   |
| Vegetables             | 32.7                      | 66.1                     | 1.1                   |
| Fruit and nuts         | 37.6                      | 57.7                     | 4.7                   |
| Greenhouse and nursery | 65.5                      | 32.7                     | 1.9                   |

## Profitability Much Lower on the Smallest Farms

Those establishments classified as farming operations with sales of less than \$20,000 appear to be quite inef-

ficient when viewed through a financial accounting lens. In fact, they are so much more inefficient in production activities than the larger operations that they earn an increasingly smaller share of the income from production as each layer of expenses is peeled away. Producing 6.1 percent of total output, these smallest operations generated only 1.8 percent of the gross value added, indicating that they expended proportionately more on intermediate consumption outlays, which are out-of-pocket (variable) expense items. From a financial accounting perspective, the earnings picture for these smallest farms appears only to worsen with a more complete accounting of expenses, indicating negative net value added and net farm income. The implications are that the smallest farms are relatively inefficient producers and that the operators are not economically rational, if the assumption is that their primary objective is to earn a before-income-tax profit.

If, on the other hand, the operators were seeking to achieve one or more other objectives, they may have been much more successful than is apparent from the typical economic accounting perspective. More likely, the operators of these small farms operate on the assumption that they are unlikely to earn a substantial profit on their farming activities in most years and that the cumulative earnings over several years will be a substantial loss. Then, their objective becomes to maximize their combined income from all sources, in which case, *they will in effect seek to minimize their after-income-tax losses on the farming activities*. Thus, in their management strategy, the tax refund becomes part of the revenue stream to the farming activities and affects decisions made regarding the operating characteristics and structure of the production activities.

To realistically model this management strategy, one would have to account for the tax savings accruing to the operators' nonfarm earnings and recognize that this alternative after-income-tax measure of earnings would result in a more positive assessment of the finances of the farming enterprises. In addition, the objectives may extend into other noneconomic factors, such as the aesthetic appeal of rural life.

This is not a sectorwide issue. A sharply contrasting picture emerges for those farms larger than \$20,000, as is clearly evidenced in the following distributions summarized from table 5-2. These larger operations increase their share of production income at each level of measurement as one moves down the value-added accounting model. From these aggregate statistics, it is

not immediately obvious that those farms exceeding \$1 million in sales gain much in efficiency over those in the in-between group. As will be seen later, these are not homogeneous groups, as there is an obvious tendency for the larger groups to specialize in different commodities. This tendency implies that there are gains in profit potential with growth in size in some types of production, even though the benefits may derive from expanding into new functions rather than savings in production costs.

|                     | Farms with production of— |                          |                       |
|---------------------|---------------------------|--------------------------|-----------------------|
|                     | \$1 million<br>or more    | \$20,000 to<br>\$999,999 | Less than<br>\$20,000 |
|                     | Percent                   |                          |                       |
| Number of farms     | 1.1                       | 36.1                     | 62.8                  |
| Total of all output | 25.6                      | 68.2                     | 6.1                   |
| Gross value added   | 27.8                      | 70.4                     | 1.8                   |
| Net value added     | 31.7                      | 72.2                     | -3.9                  |
| Net farm income     | 36.9                      | 75.4                     | -12.3                 |

A particularly noteworthy tendency evident in figure 5-1 is that the smallest farms incur a share of property-related expenses that is greatly disproportionate to their share of the farm sector's output (fig. 5-2). It is also in contrast to the situation with the out-of-pocket (variable) costs, where the share incurred by the smallest farms is much more proportionate to their share of the production (fig. 5-2). There is the clear implication that the smallest farms own considerable property, which raises an accounting issue that may be addressed through either of two questions: (1) Is there an overcounting of the portion of these expenses related directly to the farming activity? or (2) Does the traditional financial accounting model omit some benefits, including, perhaps, some noneconomic benefits? A related question is source of funds for the capital expenditures because, if the accounting of expenses and benefits is appropriate, the capital stock is being consumed and would have to be funded from another source.

### Factor Payments

Expenditures for the factors of production (hired labor, rented land, and borrowed capital) reflect significant structural differences in the three size groups of farming operations summarized below. The operator and family members furnish most of the labor required on the small operations, and as a group, small operations paid only 3.2 percent of the sector's total hired labor costs. It logically follows that the largest operations would have to incur a large share (45 percent) of the sector's labor costs, as not only is the labor input from

the operator and family limited, but management activities may be a more profitable use of their time. Likewise, the smaller operations pay an even smaller share of the net rental payments for land to nonoperator landlords because the smaller operations tend to own their land and often look to alternative sources of income rather than expansion of farming activities through renting land from others.

The story here is the overwhelming proportion of the rent paid to nonoperator landlords (83 percent) and interest payments (72 percent) paid by the farmers falling into the in-between group with sales ranging from \$20,000 to \$1 million. Again, these are the ones producing the fungible field crops and the livestock. The field crops and the cow-calf operations are land intensive, causing this group to incur the bulk of the land rental expenses. Why these producers pay such a large share of the interest expenses is not quite so clear, but operations in this size group are still mostly owner-operated, whether there is one owner or several family members. Their primary sources of capital for operating expenses and expansion are debt capital and inheritance, with the latter often resulting in additional debt to pay inheritance taxes. Many of the farm operations with sales over \$1 million are corporate farms and often subsidiaries of larger corporations, in which case the capital may be provided internally. Inheritance taxes have no effect because the taxes are the obligation of the stockholder and not the corporation.

|  | Farms with production of— |                          |                       |
|--|---------------------------|--------------------------|-----------------------|
|  | \$1 million<br>or more    | \$20,000 to<br>\$999,999 | Less than<br>\$20,000 |
|  | <i>Percent</i>            |                          |                       |
| Number of farms                            | 1.1                       | 36.1                     | 62.8                  |
| Factor payments:                           |                           |                          |                       |
| Employee compensation                      | 44.7                      | 52.1                     | 3.2                   |
| Net rent received by nonoperator landlords | 14.1                      | 83.2                     | 2.7                   |
| Real estate and nonreal estate interest    | 14.9                      | 71.2                     | 13.9                  |

### ***Negative Numbers Tell a Story***

Four negative numbers appear in the size class accounts presented in table 5-1, and each is quite logical when put in perspective. Net government transactions are negative for both the \$1-million-and-over group and \$20,000-and-less group, but the causes are different. (The negative indicates that they are paying

more in taxes and fees to government entities than they receive in direct payments under government programs.) Congress imposes payment limitations on the amounts that individual farming operations may receive under Federal programs. Many of the largest operations produce livestock or fruit and vegetable crops not covered under Federal programs. The negative in net government transactions for the smaller group reflects the relatively high property taxes paid by small producers due to the disproportionate value of total assets comprised by both farm dwellings and motor vehicles. The impact is also seen in the size of the share of capital consumption and interest on real estate incurred by the smallest operations, as they generally have considerably more than would appear to be justified if the sole objective were to maximize profitability of the farm operation.

Both net value added and net farm income are negative for the \$20,000-and-less group of farms, which again reflects the rural-living aspects of these small operations, where supplemental income from off-farm sources generally is greater than the income from farming activities. Typically the value of buildings, particularly dwellings, and motor vehicles far exceeds what would appear to be justifiable for the farming activities. The implication is that the operators may be consuming elements of the rural lifestyle that are not subject to market transactions and which are not included in the agricultural sector accounts.

|                             | Farms with production of— |                       |
|-----------------------------|---------------------------|-----------------------|
|                             | \$1 million<br>or more    | Less than<br>\$20,000 |
|                             | <i>Percent</i>            |                       |
| Net government transactions | -58,279                   | -711,592              |
| Net value added             | 30,061,943                | -3,717,570            |
| Net farm income             | 19,274,743                | -6,430,648            |

In conclusion, the disaggregation of the national value added accounts into size class accounts represents a significant addition to the value of the agricultural sector accounts by enabling analysts to peer inside the sector to ascertain the attributes and differences among groups of farm operations. These details provide significant new information about the U.S. farming sector and greatly expand the range and types of issues that analysts may address. The insights touched upon in this chapter illustrate the many substantive questions that may be addressed through these accounts.

Figure 5-1

# **Distribution of property-related expenses, 1996**

*Small farms incurred large property-related expenses*

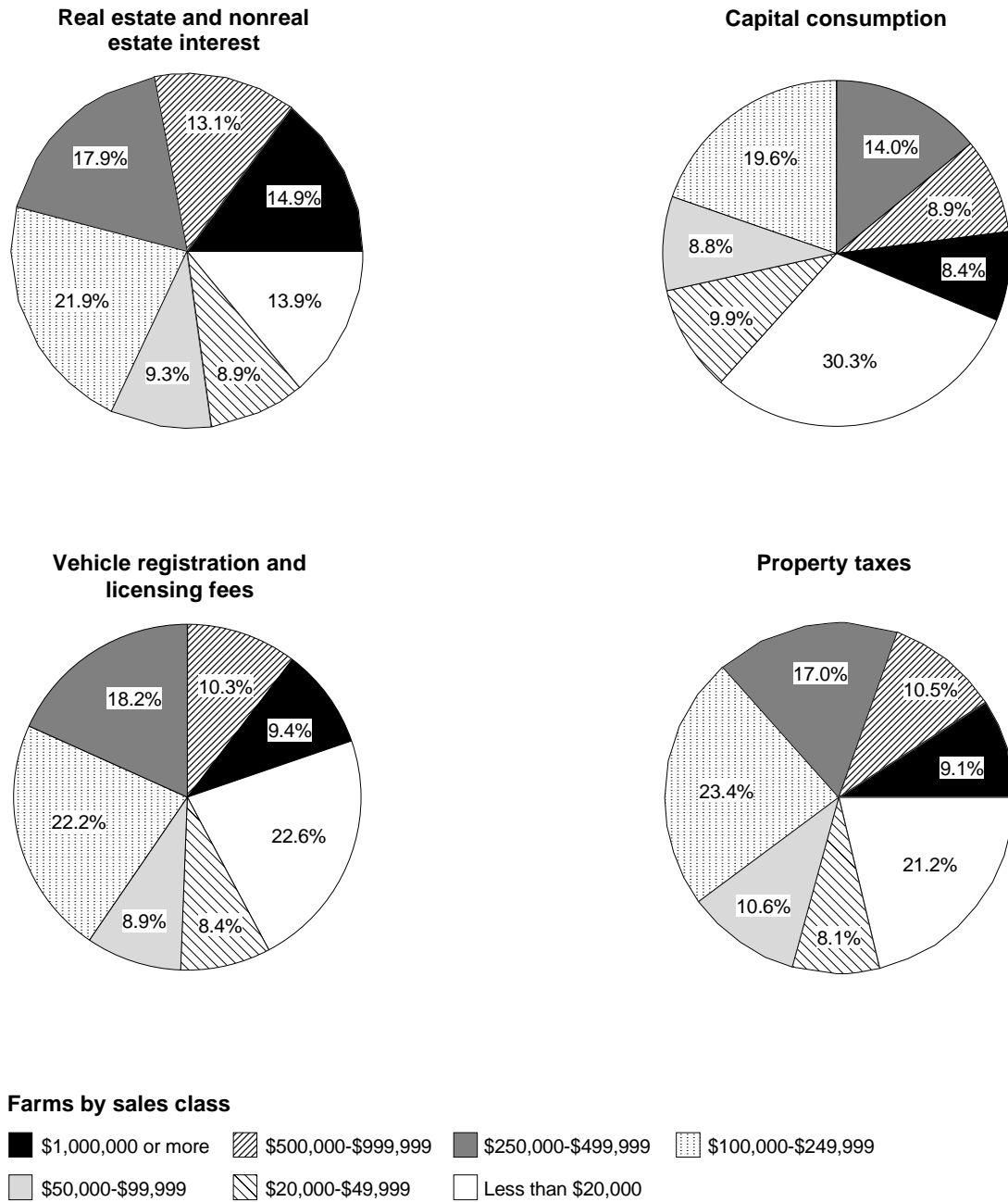
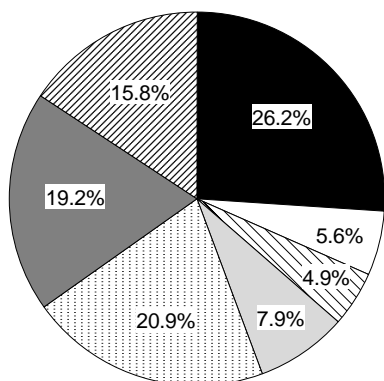


Figure 5-2

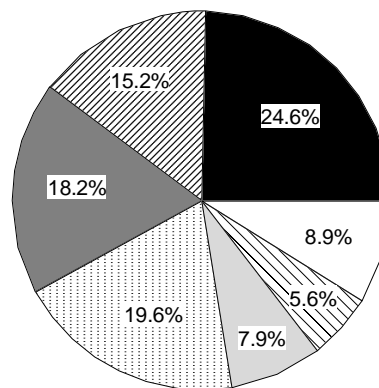
# **Distribution of variable costs related to production, 1996**

*Variable costs for small farms were in line with their share of output*

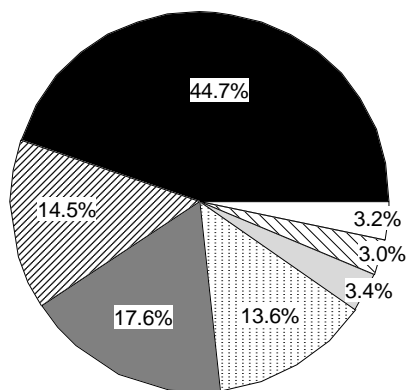
**Final agricultural sector output**



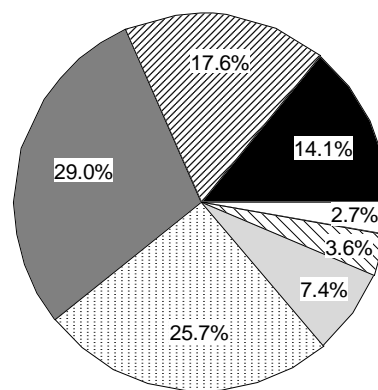
**Intermediate consumption outlays**



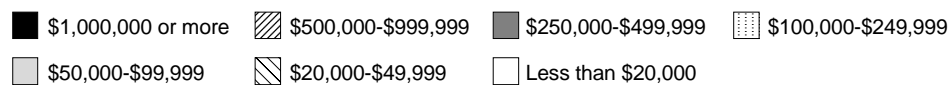
**Employee compensation**



**Net rent paid to nonoperator landlords**



**Farms by sales class**



**Table 5-1—Number of farms, net value added, and net farm income by value of size class, 1996**

| Item  | \$1,000,000<br>or more  | \$500,000-<br>\$999,999 | \$250,000-<br>\$499,999 | \$100,000-<br>\$249,999 | \$50,000-<br>\$99,999 | \$20,000-<br>\$49,999 | Less than<br>\$20,000 | Total<br>U.S. |
|---|-------------------------|-------------------------|-------------------------|-------------------------|-----------------------|-----------------------|-----------------------|---------------|
|   | <i>Number</i>           |                         |                         |                         |                       |                       |                       |               |
| Number of farms <sup>1</sup>                    | 21,904                  | 42,843                  | 98,090                  | 214,739                 | 159,743               | 229,738               | 1,296,853             | 2,063,910     |
|   | <i>Thousand dollars</i> |                         |                         |                         |                       |                       |                       |               |
| + Final crop output                             | 27,273,592              | 19,369,733              | 24,516,379              | 26,121,443              | 8,549,744             | 4,810,650             | 2,870,725             | 113,512,267   |
| + Final animal output                           | 29,658,147              | 14,172,456              | 15,802,964              | 17,313,001              | 6,568,935             | 4,533,788             | 3,913,956             | 91,963,245    |
| + Services and forestry                         | 2,394,240               | 2,135,448               | 3,187,828               | 3,763,059               | 1,643,993             | 1,656,642             | 5,955,326             | 20,736,536    |
| = Final agricultural sector output              | 59,325,979              | 35,677,637              | 43,507,171              | 47,197,503              | 16,762,671            | 11,001,080            | 12,740,007            | 226,212,048   |
| less: Intermediate consumption outlays          | 27,610,013              | 17,073,794              | 20,509,078              | 21,990,799              | 8,923,260             | 6,279,197             | 10,001,037            | 112,387,179   |
| Farm origin                                     | 13,631,209              | 7,411,348               | 7,835,285               | 6,645,307               | 2,796,237             | 1,695,431             | 2,479,864             | 42,494,681    |
| Manufactured inputs                             | 5,085,081               | 4,535,242               | 6,013,563               | 6,821,741               | 2,335,354             | 1,686,133             | 1,916,147             | 28,393,261    |
| Other intermediate expenses                     | 8,893,723               | 5,127,204               | 6,660,231               | 8,523,751               | 3,791,669             | 2,897,633             | 5,605,026             | 41,499,237    |
| plus: Net government transactions               | -58,279                 | 164,042                 | 296,677                 | 183,155                 | 40,789                | 114,735               | -711,592              | 29,527        |
| + Direct government payments                    | 606,521                 | 927,085                 | 1,534,554               | 1,875,444               | 804,178               | 701,743               | 836,016               | 7,285,541     |
| - Motor vehicle registration and licensing fees | 40,402                  | 44,081                  | 77,978                  | 94,869                  | 38,008                | 36,077                | 96,847                | 428,262       |
| - Property taxes                                | 624,398                 | 718,962                 | 1,159,899               | 1,597,421               | 725,380               | 550,931               | 1,450,761             | 6,827,752     |
| = Gross value added                             | 31,657,687              | 18,767,885              | 23,294,770              | 25,389,858              | 7,880,201             | 4,836,618             | 2,027,377             | 113,854,396   |
| less: Capital consumption                       | 1,595,744               | 1,688,435               | 2,644,747               | 3,717,854               | 1,663,913             | 1,873,901             | 5,744,947             | 18,929,541    |
| = Net value added                               | 30,061,943              | 17,079,450              | 20,650,023              | 21,672,004              | 6,216,288             | 2,962,717             | -3,717,570            | 94,924,855    |
| less: Factor payments                           | 10,787,200              | 6,457,452               | 9,188,573               | 8,635,256               | 2,797,065             | 2,151,867             | 2,713,079             | 42,730,493    |
| Employee compensation                           | 6,805,499               | 2,209,044               | 2,677,029               | 2,070,855               | 514,556               | 455,354               | 486,705               | 15,219,042    |
| Net rent received by nonoperator landlords      | 2,008,470               | 2,512,446               | 4,142,291               | 3,667,473               | 1,059,549             | 514,267               | 388,630               | 14,293,127    |
| Real estate and nonreal estate interest         | 1,973,231               | 1,735,962               | 2,369,252               | 2,896,928               | 1,222,959             | 1,182,247             | 1,837,744             | 13,218,324    |
| = Net farm income                               | 19,274,743              | 10,621,998              | 11,461,450              | 13,036,748              | 3,419,223             | 810,849               | -6,430,648            | 52,194,362    |

<sup>1</sup>*Farm Numbers and Land in Farms*, National Agricultural Statistics Service, U.S. Department of Agriculture, Feb. 1998.

Source: Economic Research Service, U.S. Department of Agriculture.

**Table 5-2—Percentage distribution for number of farms, net value added, and net farm income  
by value of size class, 1996**

| Item   | \$1,000,000<br>or more | \$500,000-<br>\$999,999 | \$250,000-<br>\$499,999 | \$100,000-<br>\$249,999 | \$50,000-<br>\$99,999 | \$20,000-<br>\$49,999 | Less than<br>\$20,000 | Total<br>U.S. |
|--|------------------------|-------------------------|-------------------------|-------------------------|-----------------------|-----------------------|-----------------------|---------------|
|  | <i>Percent</i>         |                         |                         |                         |                       |                       |                       |               |
| Number of farms                                    | 1.1                    | 2.1                     | 4.8                     | 10.4                    | 7.7                   | 11.1                  | 62.8                  | 100.0         |
| Final crop output                                  | 24.0                   | 17.1                    | 21.6                    | 23.0                    | 7.5                   | 4.2                   | 2.5                   | 100.0         |
| Final animal output                                | 32.3                   | 15.4                    | 17.2                    | 18.8                    | 7.1                   | 4.9                   | 4.3                   | 100.0         |
| Services and forestry                              | 11.5                   | 10.3                    | 15.4                    | 18.1                    | 7.9                   | 8.0                   | 28.7                  | 100.0         |
| Final agricultural<br>sector output                | 26.2                   | 15.8                    | 19.2                    | 20.9                    | 7.4                   | 4.9                   | 5.6                   | 100.0         |
| less: Intermediate consumption<br>outlays          | 24.6                   | 15.2                    | 18.2                    | 19.6                    | 7.9                   | 5.6                   | 8.9                   | 100.0         |
| Farm origin  | 32.1                   | 17.4                    | 18.4                    | 15.6                    | 6.6                   | 4.0                   | 5.8                   | 100.0         |
| Manufactured inputs                                | 17.9                   | 16.0                    | 21.2                    | 24.0                    | 8.2                   | 5.9                   | 6.7                   | 100.0         |
| Other intermediate expenses                        | 21.4                   | 12.4                    | 16.0                    | 20.5                    | 9.1                   | 7.0                   | 13.5                  | 100.0         |
| plus: Net government transactions                  |                        |                         |                         |                         |                       |                       |                       |               |
| + Direct government payments                       | 8.3                    | 12.7                    | 21.1                    | 25.7                    | 11.0                  | 9.6                   | 11.5                  | 100.0         |
| - Motor vehicle registration<br>and licensing fees | 9.4                    | 10.3                    | 18.2                    | 22.2                    | 8.9                   | 8.4                   | 22.6                  | 100.0         |
| - Property taxes                                   | 9.1                    | 10.5                    | 17.0                    | 23.4                    | 10.6                  | 8.1                   | 21.2                  | 100.0         |
| = Gross value added                                | 27.8                   | 16.5                    | 20.5                    | 22.3                    | 6.9                   | 4.2                   | 1.8                   | 100.0         |
| less: Capital consumption                          | 8.4                    | 8.9                     | 14.0                    | 19.6                    | 8.8                   | 9.9                   | 30.3                  | 100.0         |
| = Net value added                                  | 31.7                   | 18.0                    | 21.8                    | 22.8                    | 6.5                   | 3.1                   | -3.9                  | 100.0         |
| less: Factor payments                              | 25.2                   | 15.1                    | 21.5                    | 20.2                    | 6.5                   | 5.0                   | 6.3                   | 100.0         |
| Employee compensation                              | 44.7                   | 14.5                    | 17.6                    | 13.6                    | 3.4                   | 3.0                   | 3.2                   | 100.0         |
| Net rent received by<br>nonoperator landlords      | 14.1                   | 17.6                    | 29.0                    | 25.7                    | 7.4                   | 3.6                   | 2.7                   | 100.0         |
| Real estate and nonreal<br>estate interest         | 14.9                   | 13.1                    | 17.9                    | 21.9                    | 9.3                   | 8.9                   | 13.9                  | 100.0         |
| = Net farm income                                  | 36.9                   | 20.4                    | 22.0                    | 25.0                    | 6.6                   | 1.6                   | -12.3                 | 100.0         |

Source: Economic Research Service, U.S. Department of Agriculture.



**Table 5-3—Number of farms and cash receipts by value of size class, 1996**

| Item                         | \$1,000,000<br>or more | \$500,000-<br>\$999,999 | \$250,000-<br>\$499,999 | \$100,000-<br>\$249,999 | \$50,000-<br>\$99,999 | \$20,000-<br>\$49,999 | Less than<br>\$20,000 | Total<br>U.S. |
|------------------------------|------------------------|-------------------------|-------------------------|-------------------------|-----------------------|-----------------------|-----------------------|---------------|
| <i>Number</i>                |                        |                         |                         |                         |                       |                       |                       |               |
| Number of farms <sup>1</sup> | 21,904                 | 42,843                  | 98,090                  | 214,739                 | 159,743               | 229,738               | 1,296,853             | 2,063,910     |
| <i>Thousand dollars</i>      |                        |                         |                         |                         |                       |                       |                       |               |
| All commodities              | 57,137,945             | 34,036,384              | 39,791,590              | 40,153,375              | 13,991,604            | 8,696,395             | 7,329,872             | 202,338,990   |
| Livestock and products       | 30,071,951             | 14,405,442              | 15,844,089              | 16,405,281              | 6,226,759             | 4,325,906             | 4,432,960             | 92,914,212    |
| Meat animals                 | 13,581,488             | 5,972,109               | 7,192,184               | 7,040,839               | 3,206,635             | 3,568,797             | 3,820,445             | 44,382,498    |
| Cattle and calves            | 8,393,572              | 3,652,804               | 4,818,613               | 5,190,712               | 2,643,931             | 3,013,851             | 3,424,562             | 31,138,046    |
| Hogs                         | 5,234,127              | 2,344,275               | 2,329,988               | 1,648,237               | 452,772               | 419,646               | 214,691               | 12,643,736    |
| Dairy products               | 7,083,312              | 2,799,211               | 4,137,051               | 7,070,753               | 1,351,540             | 362,374               | 29,684                | 22,833,925    |
| Poultry and eggs             | 8,630,898              | 5,438,238               | 4,119,647               | 1,763,554               | 1,172,130             | NA                    | NA                    | 22,326,291    |
| Broilers                     | 3,643,099              | 5,701,468               | 3,217,018               | 1,130,420               | 200,664               | NA                    | NA                    | 13,906,019    |
| Miscellaneous livestock      | 776,254                | 195,884                 | 395,207                 | 530,134                 | 496,453               | 394,735               | 582,831               | 3,371,498     |
| Crops                        | 27,065,994             | 19,630,942              | 23,947,501              | 23,748,095              | 7,764,845             | 4,370,489             | 2,896,911             | 109,424,778   |
| Food grains                  | 1,414,292              | 1,753,053               | 3,274,298               | 3,600,122               | 904,708               | 459,573               | 143,912               | 11,549,958    |
| Wheat                        | 981,823                | 1,260,779               | 2,685,926               | 3,513,835               | 921,990               | 443,124               | 148,140               | 9,955,616     |
| Feed crops                   | 2,640,153              | 5,022,786               | 7,182,477               | 7,888,973               | 2,766,103             | 1,576,895             | 1,036,269             | 28,113,655    |
| Corn                         | 2,029,838              | 3,887,951               | 5,971,075               | 6,482,796               | 1,947,643             | 967,350               | 286,710               | 21,573,363    |
| Cotton                       | 2,500,193              | 1,671,744               | 1,671,446               | 1,266,846               | 219,348               | 81,248                | 49,987                | 7,460,813     |
| Tobacco                      | 245,488                | 334,400                 | 667,682                 | 606,674                 | 266,542               | 293,551               | 381,653               | 2,795,990     |
| Oil crops                    | 1,621,113              | 2,745,949               | 5,009,292               | 5,404,538               | 1,446,750             | 1,185,206             | 343,044               | 17,755,891    |
| Soybeans                     | 1,435,194              | 2,516,656               | 4,514,061               | 4,903,945               | 1,366,134             | 1,149,063             | 326,335               | 16,211,387    |
| Vegetables                   | 4,694,053              | 4,248,811               | 2,871,186               | 2,251,320               | 83,079                | 39,459                | 160,850               | 14,348,758    |
| Fruits and nuts              | 4,407,090              | 1,411,749               | 1,764,804               | 1,470,201               | 1,667,345             | 447,819               | 544,810               | 11,713,819    |
| All other crops              | 9,543,612              | 2,442,451               | 1,506,316               | 1,259,420               | 410,970               | 286,738               | 236,386               | 15,685,894    |
| Nursery                      | 7,127,321              | 1,105,145               | 902,755                 | 940,751                 | 356,116               | 250,620               | 204,350               | 10,887,058    |

NA = Not available.

<sup>1</sup>*Farm Numbers and Land in Farms*, National Agricultural Statistics Service, U.S. Department of Agriculture, Feb. 1998.

Source: Economic Research Service, U.S. Department of Agriculture.

**Table 5-4—Percentage distribution for number of farms and cash receipts by value of size class, 1996**

| Item                    | \$1,000,000<br>or more | \$500,000-<br>\$999,999 | \$250,000-<br>\$499,999 | \$100,000-<br>\$249,999 | \$50,000-<br>\$99,999 | \$20,000-<br>\$49,999 | Less than<br>\$20,000 | Total<br>U.S. |
|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-----------------------|-----------------------|-----------------------|---------------|
| <i>Percent</i>          |                        |                         |                         |                         |                       |                       |                       |               |
| Number of farms         | 1.1                    | 2.1                     | 4.8                     | 10.4                    | 7.7                   | 11.1                  | 62.8                  | 100.0         |
| All commodities         | 27.4                   | 16.3                    | 19.7                    | 21.3                    | 7.4                   | 4.5                   | 3.4                   | 100.0         |
| Livestock and products  | 32.3                   | 15.4                    | 17.2                    | 18.8                    | 7.1                   | 4.9                   | 4.3                   | 100.0         |
| Meat animals            | 30.6                   | 13.5                    | 16.2                    | 15.9                    | 7.2                   | 8.0                   | 8.6                   | 100.0         |
| Cattle and calves       | 27.0                   | 11.7                    | 15.5                    | 16.7                    | 8.5                   | 9.7                   | 11.0                  | 100.0         |
| Hogs                    | 41.4                   | 18.5                    | 18.4                    | 13.0                    | 3.6                   | 3.3                   | 1.7*                  | 100.0         |
| Dairy products          | 31.0                   | 12.3                    | 18.1                    | 31.0                    | 5.9                   | 1.6                   | 0.1**                 | 100.0         |
| Poultry and eggs        | 38.7                   | 24.4                    | 18.5                    | 7.9                     | L                     | L                     | 0.1                   | 100.0         |
| Broilers                | 26.2                   | 41.0*                   | 23.1                    | 8.1                     | L                     | L                     | 0.0                   | 100.0         |
| Miscellaneous livestock | 23.0                   | 5.8                     | 11.7                    | 15.7                    | 14.7*                 | 11.7*                 | 17.3*                 | 100.0         |
| Crops                   | 23.9                   | 17.0                    | 21.5                    | 23.0                    | 7.5                   | 4.3                   | 2.7                   | 100.0         |
| Food grains             | 12.2                   | 15.2                    | 28.3                    | 31.2                    | 7.8                   | 4.0                   | 1.2                   | 100.0         |
| Wheat                   | 9.9                    | 12.7                    | 27.0                    | 35.3                    | 9.3                   | 4.5                   | 1.5                   | 100.0         |
| Feed crops              | 9.4                    | 17.9                    | 25.5                    | 28.1                    | 9.8                   | 5.6                   | 3.7                   | 100.0         |
| Corn                    | 9.4                    | 18.0                    | 27.7                    | 30.1                    | 9.0                   | 4.5                   | 1.3                   | 100.0         |
| Cotton                  | 33.5                   | 22.4                    | 22.4                    | 17.0                    | 2.9                   | 1.1                   | 0.7                   | 100.0         |
| Tobacco                 | 8.8                    | 12.0                    | 23.9                    | 21.7                    | 9.5                   | 10.5                  | 13.7                  | 100.0         |
| Oil crops               | 9.1                    | 15.5                    | 28.2                    | 30.4                    | 8.1                   | 6.7                   | 1.9                   | 100.0         |
| Soybeans                | 8.9                    | 15.5                    | 27.8                    | 30.3                    | 8.4                   | 7.1                   | 2.0                   | 100.0         |
| Vegetables              | 32.7                   | 29.6                    | 20.0                    | 15.7                    | 0.6                   | 0.3                   | 1.1                   | 100.0         |
| Fruits and nuts         | 37.6                   | 12.1                    | 15.1                    | 12.6                    | 14.2                  | 3.8                   | 4.7*                  | 100.0         |
| All other crops         | 60.8                   | 15.6                    | 9.6                     | 8.0                     | 2.6*                  | 1.8*                  | 1.5*                  | 100.0         |
| Nursery                 | 65.5                   | 10.2                    | 8.3                     | 8.6                     | 3.3*                  | 2.3*                  | 1.9*                  | 100.0         |

\*Coefficient of variation is between 25 and 50.

\*\*Coefficient of variation is 55.3.

L = Undisclosed.

Source: Economic Research Service, U.S. Department of Agriculture.

**Table 5-5—Number of farms, net value added, and net farm income by value of size class, 1995**

| Item  | \$1,000,000<br>or more  | \$500,000-<br>\$999,999 | \$250,000-<br>\$499,999 | \$100,000-<br>\$249,999 | \$50,000-<br>\$99,999 | \$20,000-<br>\$49,999 | Less than<br>\$20,000 | Total<br>U.S. |
|---|-------------------------|-------------------------|-------------------------|-------------------------|-----------------------|-----------------------|-----------------------|---------------|
|   | <i>Number</i>           |                         |                         |                         |                       |                       |                       |               |
| Number of farms <sup>1</sup>                  | 17,395                  | 30,286                  | 75,338                  | 219,341                 | 194,723               | 261,012               | 1,273,425             | 2,071,520     |
|   | <i>Thousand dollars</i> |                         |                         |                         |                       |                       |                       |               |
| + Final crop output                           | 23,492,096              | 13,869,084              | 17,349,645              | 22,778,779              | 9,769,928             | 5,885,347             | 3,510,524             | 96,655,403    |
| + Final animal output                         | 33,084,270              | 9,869,206               | 11,291,234              | 17,941,382              | 7,456,227             | 4,205,628             | 3,769,294             | 87,617,240    |
| + Services and forestry                       | 2,368,752               | 1,675,331               | 2,028,145               | 3,258,052               | 1,937,084             | 1,773,561             | 6,333,787             | 19,374,713    |
| = Final agricultural<br>sector output         | 58,945,118              | 25,413,621              | 30,669,023              | 43,978,213              | 19,163,239            | 11,864,536            | 13,613,605            | 203,647,356   |
| less: Intermediate consumption<br>outlays     | 29,032,416              | 12,638,245              | 16,003,995              | 23,656,307              | 10,202,395            | 7,240,696             | 10,237,047            | 109,011,103   |
| Farm origin                                   | 14,817,748              | 5,537,448               | 5,511,255               | 8,022,903               | 2,918,278             | 1,950,916             | 2,869,385             | 41,627,934    |
| Manufactured inputs                           | 3,940,485               | 3,236,906               | 4,750,848               | 6,842,327               | 2,966,857             | 2,099,444             | 2,338,325             | 26,175,192    |
| Other intermediate expenses                   | 10,274,182              | 3,863,891               | 5,741,892               | 8,791,077               | 4,317,260             | 3,190,337             | 5,029,338             | 41,207,977    |
| plus: Net government transactions             | -270,250                | 131,916                 | 344,549                 | 540,340                 | -118,852              | -1,280                | -551,956              | 74,466        |
| = Gross value added                           | 29,642,452              | 12,907,292              | 15,009,577              | 20,862,245              | 8,841,992             | 4,622,560             | 2,824,602             | 94,710,719    |
| less: Capital consumption                     | 1,398,914               | 1,341,075               | 2,012,534               | 3,651,769               | 2,256,226             | 2,276,740             | 5,977,015             | 18,914,273    |
| = Net value added                             | 28,243,538              | 11,566,217              | 12,997,043              | 17,210,476              | 6,585,766             | 2,345,820             | -3,152,413            | 75,796,446    |
| less: Factor payments                         | 10,047,912              | 4,802,971               | 6,718,332               | 8,452,242               | 3,731,967             | 2,055,305             | 3,248,383             | 39,057,112    |
| Employee compensation                         | 6,590,901               | 1,977,270               | 2,165,500               | 1,914,001               | 809,874               | 390,375               | 498,837               | 14,346,758    |
| Net rent received by<br>nonoperator landlords | 1,408,958               | 1,638,331               | 2,888,860               | 3,647,447               | 1,380,675             | 646,057               | 373,661               | 11,983,988    |
| Real estate and<br>nonreal estate interest    | 2,048,054               | 1,187,370               | 1,663,972               | 2,890,794               | 1,541,417             | 1,018,873             | 2,375,885             | 12,726,365    |
| = Net farm income                             | 18,195,626              | 6,763,246               | 6,278,710               | 8,758,235               | 2,853,799             | 290,515               | -6,400,796            | 36,739,335    |

<sup>1</sup>*Farm Numbers and Land in Farms*, National Agricultural Statistics Service, U.S. Department of Agriculture, Feb. 1998.

Source: Economic Research Service, U.S. Department of Agriculture.

**Table 5-6—Number of farms and net cash income by value of size class, 1995<sup>1, 2</sup>**

| Item                             | \$1,000,000<br>or more | \$500,000-<br>\$999,999 | \$250,000-<br>\$499,999 | \$100,000-<br>\$249,999 | \$50,000-<br>\$99,999 | \$20,000-<br>\$49,999 | Less than<br>\$20,000 | Total<br>U.S. |
|----------------------------------|------------------------|-------------------------|-------------------------|-------------------------|-----------------------|-----------------------|-----------------------|---------------|
| <i>Number</i>                    |                        |                         |                         |                         |                       |                       |                       |               |
| Number of farms                  | 17,395                 | 30,286                  | 75,338                  | 219,341                 | 194,723               | 261,012               | 1,273,425             | 2,071,520     |
| <i>Million dollars</i>           |                        |                         |                         |                         |                       |                       |                       |               |
| Gross cash income                | 59,826                 | 27,581                  | 31,512                  | 43,907                  | 19,816                | 11,352                | 11,044                | 205,037       |
| Cash receipts from marketings    | 57,693                 | 25,977                  | 29,049                  | 40,058                  | 17,922                | 9,756                 | 7,248                 | 187,704       |
| Crops                            | 25,154                 | 15,675                  | 17,837                  | 22,341                  | 10,444                | 5,692                 | 3,557                 | 100,700       |
| Government supported             | 4,072                  | 9,749                   | 13,482                  | 17,094                  | 7,883                 | 4,244                 | 2,421                 | 58,946        |
| Nonsupported                     | 21,082                 | 5,926                   | 4,355                   | 5,246                   | 2,561                 | 1,448                 | 1,136                 | 41,755        |
| Livestock                        | 32,539                 | 10,302                  | 11,211                  | 17,718                  | 7,478                 | 4,064                 | 3,691                 | 87,004        |
| Government payments              | 282                    | 688                     | 1,372                   | 2,116                   | 838                   | 805                   | 1,153                 | 7,253         |
| Farm-related income              | 1,852                  | 916                     | 1,091                   | 1,733                   | 1,056                 | 790                   | 2,643                 | 10,080        |
| Cash expenses                    | 39,222                 | 17,912                  | 23,695                  | 33,549                  | 14,740                | 9,951                 | 14,790                | 153,860       |
| Net cash income                  | 20,604                 | 9,669                   | 7,817                   | 10,358                  | 5,076                 | 1,401                 | -3,747                | 51,178        |
| Percent                          |                        |                         |                         |                         |                       |                       |                       |               |
| Percent of total:                |                        |                         |                         |                         |                       |                       |                       |               |
| Number of farms                  | 0.8                    | 1.5                     | 3.6                     | 10.6                    | 9.4                   | 12.6                  | 61.5                  | 100.0         |
| Gross cash income                | 29.2                   | 13.5                    | 15.4                    | 21.4                    | 9.7                   | 5.5                   | 5.4                   | 100.0         |
| Cash receipts from marketings    | 30.7                   | 13.8                    | 15.5                    | 21.3                    | 9.5                   | 5.2                   | 3.9                   | 100.0         |
| Crops                            | 25.0                   | 15.6                    | 17.7                    | 22.2                    | 10.4                  | 5.7                   | 3.5                   | 100.0         |
| Government supported             | 6.9                    | 16.5                    | 22.9                    | 29.0                    | 13.4                  | 7.2                   | 4.1                   | 100.0         |
| Nonsupported                     | 50.5                   | 14.2                    | 10.4                    | 12.6                    | 6.1                   | 3.5                   | 2.7                   | 100.0         |
| Livestock                        | 37.4                   | 11.8                    | 12.9                    | 20.4                    | 8.6                   | 4.7                   | 4.2                   | 100.0         |
| Government payments              | 3.9                    | 9.5                     | 18.9                    | 29.2                    | 11.6                  | 11.1                  | 15.9                  | 100.0         |
| Farm-related income              | 18.4                   | 9.1                     | 10.8                    | 17.2                    | 10.5                  | 7.8                   | 26.2                  | 100.0         |
| Cash expenses                    | 25.5                   | 11.6                    | 15.4                    | 21.8                    | 9.6                   | 6.5                   | 9.6                   | 100.0         |
| Net cash income                  | 40.3                   | 18.9                    | 15.3                    | 20.2                    | 9.9                   | 2.7                   | -7.3                  | 100.0         |
| Dollars                          |                        |                         |                         |                         |                       |                       |                       |               |
| Per farm operation: <sup>1</sup> |                        |                         |                         |                         |                       |                       |                       |               |
| Gross cash income                | 3,439,258              | 910,695                 | 418,276                 | 200,175                 | 101,765               | 43,491                | 8,672                 | 98,979        |
| Cash receipts from marketings    | 3,316,612              | 857,743                 | 385,579                 | 182,630                 | 92,038                | 37,379                | 5,692                 | 90,612        |
| Crops                            | 1,446,043              | 517,573                 | 236,765                 | 101,853                 | 53,635                | 21,808                | 2,793                 | 48,612        |
| Government supported             | 234,097                | 321,916                 | 178,958                 | 77,934                  | 40,481                | 16,260                | 1,901                 | 28,455        |
| Nonsupported                     | 1,211,946              | 195,657                 | 57,806                  | 23,919                  | 13,154                | 5,548                 | 892                   | 20,156        |
| Livestock                        | 1,870,569              | 340,170                 | 148,815                 | 80,778                  | 38,403                | 15,572                | 2,898                 | 42,000        |
| Government payments              | 16,196                 | 22,709                  | 18,213                  | 9,646                   | 4,305                 | 3,085                 | 905                   | 3,501         |
| Farm-related income              | 106,450                | 30,243                  | 14,484                  | 7,899                   | 5,422                 | 3,026                 | 2,076                 | 4,866         |
| Cash expenses                    | 2,254,764              | 591,447                 | 314,518                 | 152,952                 | 75,698                | 38,125                | 11,615                | 74,274        |
| Net cash income                  | 1,184,493              | 319,248                 | 103,758                 | 47,223                  | 26,068                | 5,366                 | -2,942                | 24,705        |

<sup>1</sup>Farm operations may have several households sharing in the earnings of the business (for example, partners or shareholders in the farm corporation). The number of households per farm operation tends to increase as sales per farm increase.

<sup>2</sup>Based on final U.S. numbers as of September 1997 and on distributors from the 1995 FCRS.

Source: Economic Research Service, U.S. Department of Agriculture.

**Table 5-7—Number of farms and net cash income by value of size class, 1996<sup>1, 2</sup>**

| Item                             | \$1,000,000<br>or more | \$500,000-<br>\$999,999 | \$250,000-<br>\$499,999 | \$100,000-<br>\$249,999 | \$50,000-<br>\$99,999 | \$20,000-<br>\$49,999 | Less than<br>\$20,000 | Total<br>U.S. |
|----------------------------------|------------------------|-------------------------|-------------------------|-------------------------|-----------------------|-----------------------|-----------------------|---------------|
| <i>Number</i>                    |                        |                         |                         |                         |                       |                       |                       |               |
| Number of farms                  | 21,904                 | 42,843                  | 98,090                  | 214,739                 | 159,743               | 229,738               | 1,296,853             | 2,063,910     |
| <i>Million dollars</i>           |                        |                         |                         |                         |                       |                       |                       |               |
| Gross cash income                | 63,505                 | 33,870                  | 43,563                  | 42,155                  | 16,393                | 10,883                | 10,221                | 220,590       |
| Cash receipts from marketings    | 61,284                 | 31,830                  | 40,127                  | 38,067                  | 14,675                | 9,325                 | 7,031                 | 202,339       |
| Crops                            | 31,107                 | 17,304                  | 24,265                  | 21,705                  | 7,946                 | 4,434                 | 2,663                 | 109,425       |
| Government supported             | 8,835                  | 11,522                  | 18,277                  | 17,590                  | 5,774                 | 3,490                 | 1,599                 | 67,085        |
| Nonsupported                     | 22,272                 | 5,783                   | 5,988                   | 4,115                   | 2,172                 | 945                   | 1,064                 | 42,339        |
| Livestock                        | 30,176                 | 14,525                  | 15,862                  | 16,363                  | 6,730                 | 4,891                 | 4,367                 | 92,914        |
| Government payments              | 607                    | 927                     | 1,535                   | 1,875                   | 804                   | 702                   | 836                   | 7,286         |
| Farm-related income              | 1,614                  | 1,113                   | 1,902                   | 2,212                   | 914                   | 856                   | 2,354                 | 10,966        |
| Cash expenses                    | 38,812                 | 24,200                  | 30,859                  | 32,020                  | 12,305                | 8,832                 | 13,621                | 160,649       |
| Net cash income                  | 24,692                 | 9,669                   | 12,704                  | 10,135                  | 4,089                 | 2,052                 | -3,400                | 59,941        |
| <i>Percent</i>                   |                        |                         |                         |                         |                       |                       |                       |               |
| Percent of total:                |                        |                         |                         |                         |                       |                       |                       |               |
| Number of farms                  | 1.1                    | 2.1                     | 4.8                     | 10.4                    | 7.7                   | 11.1                  | 62.8                  | 100.0         |
| Gross cash income                | 28.8                   | 15.4                    | 19.7                    | 19.1                    | 7.4                   | 4.9                   | 4.6                   | 100.0         |
| Cash receipts from marketings    | 30.3                   | 15.7                    | 19.8                    | 18.8                    | 7.3                   | 4.6                   | 3.5                   | 100.0         |
| Crops                            | 28.4                   | 15.8                    | 22.2                    | 19.8                    | 7.3                   | 4.1                   | 2.4                   | 100.0         |
| Government supported             | 13.2                   | 17.2                    | 27.2                    | 26.2                    | 8.6                   | 5.2                   | 2.4                   | 100.0         |
| Nonsupported                     | 52.6                   | 13.7                    | 14.1                    | 9.7                     | 5.1                   | 2.2                   | 2.5                   | 100.0         |
| Livestock                        | 32.5                   | 15.6                    | 17.1                    | 17.6                    | 7.2                   | 5.3                   | 4.7                   | 100.0         |
| Government payments              | 8.3                    | 12.7                    | 21.1                    | 25.7                    | 11.0                  | 9.6                   | 11.5                  | 100.0         |
| Farm-related income              | 14.7                   | 10.1                    | 17.3                    | 20.2                    | 8.3                   | 7.8                   | 21.5                  | 100.0         |
| Cash expenses                    | 24.2                   | 15.1                    | 19.2                    | 19.9                    | 7.7                   | 5.5                   | 8.5                   | 100.0         |
| Net cash income                  | 41.2                   | 16.1                    | 21.2                    | 16.9                    | 6.8                   | 3.4                   | -5.7                  | 100.0         |
| <i>Dollars</i>                   |                        |                         |                         |                         |                       |                       |                       |               |
| Per farm operation: <sup>1</sup> |                        |                         |                         |                         |                       |                       |                       |               |
| Gross cash income                | 2,899,244              | 790,552                 | 444,114                 | 196,307                 | 102,624               | 47,373                | 7,881                 | 106,880       |
| Cash receipts from marketings    | 2,797,845              | 742,938                 | 409,080                 | 177,273                 | 91,869                | 40,592                | 5,421                 | 98,037        |
| Crops                            | 1,420,181              | 403,903                 | 247,375                 | 101,075                 | 49,740                | 19,301                | 2,054                 | 53,018        |
| Government supported             | 403,353                | 268,929                 | 186,327                 | 81,912                  | 36,144                | 15,190                | 1,233                 | 32,504        |
| Nonsupported                     | 1,016,828              | 134,974                 | 61,049                  | 19,164                  | 13,595                | 4,112                 | 821                   | 20,514        |
| Livestock                        | 1,377,664              | 339,035                 | 161,704                 | 76,198                  | 42,129                | 21,291                | 3,368                 | 45,019        |
| Government payments              | 27,692                 | 21,639                  | 15,644                  | 8,733                   | 5,034                 | 3,055                 | 645                   | 3,530         |
| Farm-related income              | 73,708                 | 25,975                  | 19,390                  | 10,301                  | 5,721                 | 3,726                 | 1,815                 | 5,313         |
| Cash expenses                    | 1,771,945              | 564,856                 | 314,598                 | 149,113                 | 77,027                | 38,442                | 10,503                | 77,837        |
| Net cash income                  | 1,127,299              | 225,696                 | 129,516                 | 47,195                  | 25,597                | 8,931                 | -2,622                | 29,042        |

<sup>1</sup>Farm operations may have several households sharing in the earnings of the business (for example, partners or shareholders in the farm corporation). The number of households per farm operation tends to increase as sales per farm increase.

<sup>2</sup>Based on final U.S. numbers as of September 1997 and on distributors from the 1995 FCRS.

Source: Economic Research Service, U.S. Department of Agriculture.

## Government Payments in 1995 and 1996 Lowest in 15 Years

Roger Strickland and Pat Vines

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Government payments of \$7.3 billion in 1995 and 1996 were the lowest since 1982 (table 6-1). Total payments in both years were only 8 percent below those of 1994 but 41 percent lower than the \$13.4 billion in 1993, when payments rose 46 percent from a year earlier to the highest level since 1988. Direct government payments were expected to begin declining after 1996 but are now expected to begin declining in 1998. Payments in 1996 and later years reflect production flexibility payments provided under the 1996 Farm Act, but unanticipated adjustments for deficiency payments owed to farmers in 1996 and repayments owed by farmers under the previous farm program are included in 1996 payments. The influence will extend into 1997, also.

Under the old farm program, deficiency payments due to producers were made in as many as three payments, in two calendar years. The first payment was based on an estimation of the final amount likely to be owed to the producer, using projected market prices over the relevant period. Subsequent payments were the balance due once the actual market prices became known.

During the 1995/96 marketing year, commodity prices received by farmers tended to be higher than had been projected when determining initial deficiency payments for the 1995/96 crops. For many producers, this meant that the disbursement received as the first deficiency payment for the 1995 crops exceeded the amount they were due, once all the information necessary to complete the final determination became available. As a consequence, these producers were required to reimburse the U.S. Department of Agriculture, and the reimbursements were then available for disbursement under production flexibility contract payments.

After 1997, the influence of the deficiency repayment adjustments should be concluded and the payment totals will begin to follow the declining levels of production flexibility contract payments specified in the 1996 Farm Act. The payment totals will be constrained by the funding set forth in the 1996 Farm Act through the year 2002.

### Innovative Legislation Was Implemented in 1996

As a refresher, new legislation enacted effective for 1996 represented a significant departure from the legislation it replaced, mandating sweeping changes in the operational design of Federal farm programs for a period of 7 years. Under the new farm programs, government payments to farmers will decline over 7 years in both absolute terms and as a proportion of production income. Both the declining payments and diminishing role of the Government crystallized in the new legislation represent extensions of existing trends under which government assistance provides a declining share of production income.

The 1996 Farm Act, more formally known as the Federal Agriculture Improvement and Reform Act of 1996, signed in April 1996, initiated a new government farm policy for 1996 through 2002 that disconnects the link between production history and the level of Federal support payments. The legislation also severed the links between government payments and the crops produced and commodity prices. During the 7-year period covered by the 1996 Act, payments determined during a one-time sign-up window in 1996 are scheduled to decline. The payments are a function of the farmer's established program crop acreage times the established program yield multiplied (per a formula) by a set payment rate. The crop acreage and program yields remain constant throughout the 7 years, but payment rates are scheduled to generally decline. Nonrecourse marketing loans administered by the Commodity Credit Corporation remain available for the contract crops (wheat, rice, corn, sorghum, barley, oats, oilseeds, and extra-long staple cotton). The loan rates are generally much lower than past support levels, and marketing loans are available to producers. Consequently, farmers do not necessarily have to place the commodity under loan in order to receive the benefits for which they are eligible, and the Government's potential financial exposure through loan defaults is reduced.

**Restrictions.** Farmers are not bound to plant any particular set of crops and have flexibility as to what they

do plant, with some exceptions pertaining to fruits and vegetables. Two requirements that farmers must meet are to comply with established conservation measures and either buy crop insurance or sign a waiver to all Federal disaster assistance.

**Exceptions.** The legislation contains special language for peanuts and sugar that generally maintains the

structure of those programs established under the previous legislation but at lower support levels, thereby reducing the Government's exposure. The dairy price support program will be phased out over 4 years and the dairy milk marketing orders are to be reduced by two-thirds in 3 years. Tobacco program provisions are covered under separate legislation and are not affected by the 1996 Farm Act.

**Table 6-1—Direct government payments by program, United States, 1950-96<sup>1</sup>**

| Year                   | Feed grains | Wheat | Rice | Cotton | Wool Act | Conservation <sup>2</sup> | Miscellaneous <sup>3</sup> | Total  |
|------------------------|-------------|-------|------|--------|----------|---------------------------|----------------------------|--------|
| <i>Million dollars</i> |             |       |      |        |          |                           |                            |        |
| 1950                   | np          | np    | np   | np     | np       | 246                       | 37                         | 283    |
| 1951                   | np          | np    | np   | np     | np       | 246                       | 40                         | 286    |
| 1952                   | np          | np    | np   | np     | np       | 242                       | 33                         | 275    |
| 1953                   | np          | np    | np   | np     | np       | 181                       | 32                         | 213    |
| 1954                   | np          | np    | np   | np     | np       | 217                       | 40                         | 257    |
| 1955                   | np          | np    | np   | np     | np       | 188                       | 41                         | 229    |
| 1956                   | np          | np    | np   | np     | 54       | 220                       | 280                        | 554    |
| 1957                   | np          | np    | np   | np     | 53       | 230                       | 732                        | 1,015  |
| 1958                   | np          | np    | np   | np     | 14       | 215                       | 859                        | 1,088  |
| 1959                   | np          | np    | np   | np     | 82       | 233                       | 367                        | 682    |
| 1960                   | np          | np    | np   | np     | 51       | 223                       | 429                        | 703    |
| 1961                   | 772         | 42    | np   | np     | 56       | 236                       | 387                        | 1,493  |
| 1962                   | 841         | 253   | np   | np     | 54       | 230                       | 368                        | 1,746  |
| 1963                   | 843         | 215   | np   | np     | 37       | 231                       | 370                        | 1,696  |
| 1964                   | 1,163       | 438   | np   | 39     | 25       | 236                       | 278                        | 2,179  |
| 1965                   | 1,391       | 525   | np   | 70     | 18       | 224                       | 235                        | 2,463  |
| 1966                   | 1,293       | 679   | np   | 773    | 34       | 231                       | 267                        | 3,277  |
| 1967                   | 865         | 731   | np   | 932    | 29       | 237                       | 284                        | 3,078  |
| 1968                   | 1,366       | 747   | np   | 787    | 66       | 229                       | 268                        | 3,463  |
| 1969                   | 1,643       | 858   | np   | 828    | 61       | 204                       | 199                        | 3,793  |
| 1970                   | 1,504       | 871   | np   | 919    | 49       | 208                       | 166                        | 3,717  |
| 1971                   | 1,054       | 878   | np   | 822    | 69       | 173                       | 149                        | 3,145  |
| 1972                   | 1,845       | 856   | np   | 813    | 110      | 198                       | 140                        | 3,962  |
| 1973                   | 1,142       | 474   | np   | 718    | 65       | 72                        | 136                        | 2,607  |
| 1974                   | 101         | 70    | np   | 42     | 4        | 192                       | 125                        | 530    |
| 1975                   | 279         | 77    | np   | 138    | 13       | 193                       | 107                        | 807    |
| 1976                   | 196         | 135   | 4    | 108    | 39       | 209                       | 47                         | 734    |
| 1977                   | 187         | 887   | 130  | 89     | 5        | 328                       | 192                        | 1,818  |
| 1978                   | 1,172       | 963   | 3    | 127    | 27       | 239                       | 499                        | 3,030  |
| 1979                   | 494         | 114   | 59   | 185    | 33       | 197                       | 294                        | 1,376  |
| 1980                   | 382         | 211   | 2    | 172    | 28       | 214                       | 276                        | 1,285  |
| 1981                   | 243         | 625   | 2    | 222    | 35       | 201                       | 605                        | 1,933  |
| 1982                   | 713         | 652   | 156  | 800    | 46       | 179                       | 946                        | 3,492  |
| 1983                   | 1,346       | 864   | 278  | 662    | 84       | 188                       | 5,874                      | 9,296  |
| 1984                   | 367         | 1,795 | 192  | 275    | 118      | 191                       | 5,493                      | 8,431  |
| 1985                   | 2,861       | 1,950 | 577  | 1,106  | 98       | 189                       | 924                        | 7,705  |
| 1986                   | 5,158       | 3,500 | 423  | 1,042  | 112      | 254                       | 1,325                      | 11,814 |
| 1987                   | 8,490       | 2,931 | 475  | 1,204  | 144      | 1,531                     | 1,972                      | 16,747 |
| 1988                   | 7,219       | 1,842 | 465  | 924    | 117      | 1,607                     | 2,306                      | 14,480 |
| 1989                   | 3,141       | 603   | 671  | 1,184  | 81       | 1,771                     | 3,436                      | 10,887 |
| 1990                   | 2,701       | 2,311 | 465  | 441    | 96       | 1,898                     | 1,386                      | 9,298  |
| 1991                   | 2,649       | 2,166 | 550  | 407    | 154      | 1,858                     | 431                        | 8,215  |
| 1992                   | 2,499       | 1,403 | 512  | 751    | 188      | 1,899                     | 1,916                      | 9,168  |
| 1993                   | 4,844       | 1,909 | 650  | 1,226  | 173      | 1,967                     | 2,633                      | 13,402 |
| 1994                   | 1,447       | 1,156 | 337  | 826    | 202      | 1,978                     | 1,933                      | 7,879  |
| 1995                   | 3,024       | 587   | 784  | 30     | 98       | 1,896                     | 834                        | 7,253  |
| 1996 <sup>5</sup>      | -384        | -473  | 175  | -105   | 56       | 1,793                     | 6,220                      | 7,281  |

np = No program.

<sup>1</sup>Components may not add due to rounding. Includes both cash payments and payments in kind (PIK).

<sup>2</sup>Includes Great Plains and other conservation programs.

<sup>3</sup>Through 1970, total amounts are for Soil Bank Programs, which were discontinued in 1971. Starting with 1971, amounts include all other programs.

<sup>4</sup>Less than \$500,000.

<sup>5</sup>Commodity-specific payments in 1996 reflect final deficiency payments due farmers under previous law, as well as repayments by farmers of unearned deficiency payments disbursed in advance of final determination. Production flexibility payments under the 1996 Farm Act are included in the miscellaneous category.

Source: Economic Research Service, U.S. Department of Agriculture.



**Table 6-2—Total direct government payments by State, 1990-96**

| State                   | 1990      | 1991      | 1992      | 1993       | 1994      | 1995      | 1996      |
|-------------------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|
| <i>Thousand dollars</i> |           |           |           |            |           |           |           |
| Alabama                 | 82,226    | 66,350    | 119,132   | 137,240    | 89,337    | 53,432    | 75,476    |
| Alaska                  | 1,117     | 1,285     | 1,694     | 1,789      | 1,348     | 1,735     | 1,258     |
| Arizona                 | 43,349    | 40,493    | 75,580    | 113,878    | 72,125    | 9,456     | 57,283    |
| Arkansas                | 312,696   | 352,750   | 410,026   | 704,667    | 302,809   | 383,199   | 361,872   |
| California              | 252,333   | 260,825   | 430,382   | 522,146    | 272,678   | 237,670   | 293,741   |
| Colorado                | 236,723   | 217,102   | 203,234   | 250,253    | 176,967   | 166,963   | 175,621   |
| Connecticut             | 2,123     | 1,351     | 2,217     | 2,892      | 2,367     | 2,382     | 1,792     |
| Delaware                | 3,213     | 2,676     | 2,976     | 6,244      | 5,580     | 3,109     | 4,889     |
| Florida                 | 37,155    | 40,786    | 53,085    | 110,680    | 58,588    | 55,045    | 22,648    |
| Georgia                 | 130,593   | 97,675    | 182,300   | 225,493    | 139,726   | 66,393    | 114,452   |
| Hawaii                  | 519       | 906       | 1,822     | 3,131      | 2,911     | 947       | 580       |
| Idaho                   | 133,431   | 141,250   | 137,395   | 159,316    | 127,322   | 89,449    | 115,773   |
| Illinois                | 506,603   | 441,407   | 480,651   | 851,190    | 302,915   | 543,704   | 386,693   |
| Indiana                 | 244,170   | 210,055   | 232,518   | 378,953    | 136,807   | 245,968   | 213,633   |
| Iowa                    | 753,733   | 644,955   | 662,278   | 1,229,544  | 732,429   | 784,662   | 501,668   |
| Kansas                  | 834,746   | 697,895   | 592,145   | 783,963    | 467,532   | 422,226   | 554,988   |
| Kentucky                | 81,610    | 73,416    | 72,125    | 96,697     | 54,879    | 67,358    | 74,666    |
| Louisiana               | 154,631   | 174,605   | 270,835   | 367,357    | 181,289   | 157,129   | 176,435   |
| Maryland                | 17,386    | 15,342    | 16,067    | 26,289     | 15,601    | 15,142    | 17,638    |
| Massachusetts           | 3,023     | 1,494     | 4,761     | 3,643      | 4,717     | 2,458     | 1,547     |
| Maine                   | 6,982     | 6,066     | 10,253    | 19,667     | 14,114    | 14,080    | 4,638     |
| Michigan                | 168,831   | 123,691   | 142,509   | 241,342    | 102,065   | 150,996   | 109,571   |
| Minnesota               | 511,759   | 435,819   | 422,023   | 823,250    | 622,280   | 467,601   | 348,706   |
| Mississippi             | 185,969   | 176,298   | 279,904   | 383,791    | 225,528   | 129,159   | 184,901   |
| Missouri                | 299,065   | 268,615   | 293,645   | 455,364    | 267,404   | 255,972   | 289,227   |
| Montana                 | 299,599   | 320,133   | 298,773   | 338,008    | 256,143   | 189,801   | 240,718   |
| Nebraska                | 624,646   | 490,659   | 478,729   | 806,273    | 348,246   | 507,303   | 388,738   |
| New Hampshire           | 1,856     | 1,477     | 1,550     | 1,942      | 1,475     | 1,183     | 1,094     |
| North Carolina          | 73,255    | 52,837    | 74,805    | 132,448    | 77,618    | 40,151    | 75,628    |
| North Dakota            | 545,378   | 533,853   | 443,156   | 564,531    | 457,317   | 296,215   | 353,417   |
| Nevada                  | 5,347     | 5,679     | 11,244    | 7,013      | 4,784     | 4,265     | 2,605     |
| New Jersey              | 15,744    | 4,051     | 10,695    | 7,298      | 7,596     | 5,492     | 3,250     |
| New Mexico              | 63,840    | 58,447    | 60,267    | 76,442     | 61,042    | 55,134    | 58,989    |
| New York                | 59,304    | 41,242    | 47,872    | 72,286     | 42,417    | 43,481    | 43,277    |
| Ohio                    | 197,006   | 156,708   | 166,122   | 265,374    | 117,041   | 167,236   | 163,079   |
| Oklahoma                | 319,040   | 290,922   | 248,322   | 323,949    | 207,003   | 164,621   | 236,693   |
| Oregon                  | 89,137    | 89,105    | 87,474    | 92,806     | 74,416    | 51,773    | 73,202    |
| Pennsylvania            | 41,414    | 34,364    | 48,765    | 45,151     | 32,688    | 41,055    | 37,100    |
| Rhode Island            | 191       | 110       | 308       | 140        | 451       | 318       | 156       |
| South Carolina          | 62,637    | 49,364    | 72,588    | 102,512    | 60,188    | 33,771    | 42,865    |
| South Dakota            | 332,851   | 286,237   | 271,899   | 432,424    | 289,205   | 244,998   | 229,543   |
| Tennessee               | 91,029    | 70,331    | 115,866   | 160,624    | 95,584    | 47,329    | 79,793    |
| Texas                   | 974,702   | 777,925   | 1,162,039 | 1,420,830  | 863,129   | 642,673   | 764,454   |
| Utah                    | 34,897    | 33,197    | 35,972    | 36,614     | 32,055    | 24,495    | 20,986    |
| Vermont                 | 5,793     | 3,339     | 5,550     | 3,377      | 4,254     | 4,325     | 4,012     |
| Virginia                | 32,378    | 26,616    | 29,072    | 46,346     | 34,232    | 25,390    | 30,377    |
| Washington              | 205,425   | 206,084   | 188,743   | 207,208    | 152,840   | 115,832   | 155,304   |
| West Virginia           | 6,049     | 5,421     | 6,862     | 6,259      | 5,513     | 5,235     | 4,537     |
| Wisconsin               | 181,243   | 149,950   | 166,027   | 310,168    | 236,401   | 183,832   | 156,789   |
| Wyoming                 | 31,283    | 33,241    | 36,663    | 43,213     | 38,173    | 31,229    | 24,374    |
| United States           | 9,298,030 | 8,214,399 | 9,168,920 | 13,402,015 | 7,879,129 | 7,253,372 | 7,280,678 |

Source: Economic Research Service, U.S. Department of Agriculture.

**Table 6-3—Direct government payments by program and State, 1994<sup>1</sup>**

| Year                    | Feed grains | Wheat     | Rice    | Cotton  | Wool Act | Conservation <sup>2</sup> | Miscellaneous <sup>3</sup> | Total     |
|-------------------------|-------------|-----------|---------|---------|----------|---------------------------|----------------------------|-----------|
| <i>Thousand dollars</i> |             |           |         |         |          |                           |                            |           |
| Alabama                 | 2,522       | 2,841     | 0       | 31,756  | 131      | 30,193                    | 21,894                     | 89,337    |
| Alaska                  | 107         | 0         | 0       | 0       | 9        | 1,098                     | 134                        | 1,348     |
| Arizona                 | 1,827       | 4,932     | 0       | 54,472  | 1,701    | 2,997                     | 6,196                      | 72,125    |
| Arkansas                | 3,707       | 19,708    | 132,478 | 56,235  | 541      | 17,032                    | 73,108                     | 302,809   |
| California              | 8,010       | 22,672    | 67,699  | 92,860  | 9,952    | 14,640                    | 56,845                     | 272,678   |
| Colorado                | 21,982      | 44,744    | 0       | 0       | 8,064    | 85,016                    | 17,161                     | 176,967   |
| Connecticut             | 340         | 0         | 0       | 0       | 42       | 372                       | 1,613                      | 2,367     |
| Delaware                | 1,226       | 461       | 0       | 0       | 5        | 553                       | 3,335                      | 5,580     |
| Florida                 | 1,406       | 484       | 83      | 3,606   | 34       | 15,684                    | 37,291                     | 58,588    |
| Georgia                 | 7,628       | 9,520     | 0       | 31,052  | 37       | 32,506                    | 58,983                     | 139,726   |
| Hawaii                  | 0           | 0         | 0       | 0       | 11       | 714                       | 2,186                      | 2,911     |
| Idaho                   | 18,596      | 44,204    | 0       | 0       | 5,195    | 42,209                    | 17,118                     | 127,322   |
| Illinois                | 178,445     | 16,901    | 0       | 0       | 768      | 70,053                    | 36,748                     | 302,915   |
| Indiana                 | 79,125      | 9,001     | 0       | 0       | 330      | 37,250                    | 11,101                     | 136,807   |
| Iowa                    | 238,724     | 213       | 0       | 0       | 3,013    | 195,266                   | 295,213                    | 732,429   |
| Kansas                  | 73,717      | 199,183   | 0       | 31      | 2,141    | 163,088                   | 29,372                     | 467,532   |
| Kentucky                | 16,057      | 5,175     | 10      | 0       | 190      | 29,654                    | 3,793                      | 54,879    |
| Louisiana               | 3,061       | 3,371     | 52,752  | 71,819  | 38       | 10,037                    | 40,211                     | 181,289   |
| Maine                   | 317         | 2         | 0       | 0       | 134      | 4,559                     | 9,102                      | 14,114    |
| Maryland                | 4,522       | 1,509     | 0       | 0       | 136      | 2,482                     | 6,952                      | 15,601    |
| Massachusetts           | 153         | 0         | 0       | 0       | 80       | 658                       | 3,826                      | 4,717     |
| Michigan                | 39,376      | 10,516    | 0       | 0       | 999      | 24,406                    | 26,768                     | 102,065   |
| Minnesota               | 127,790     | 53,583    | 0       | 0       | 2,069    | 108,546                   | 330,292                    | 622,280   |
| Mississippi             | 2,253       | 4,906     | 25,045  | 112,007 | 19       | 41,668                    | 39,630                     | 225,528   |
| Missouri                | 36,761      | 24,167    | 10,097  | 18,036  | 1,622    | 124,538                   | 52,183                     | 267,404   |
| Montana                 | 35,725      | 89,401    | 0       | 0       | 11,772   | 109,940                   | 9,305                      | 256,143   |
| Nebraska                | 160,763     | 42,782    | 0       | 0       | 1,959    | 85,372                    | 57,370                     | 348,246   |
| Nevada                  | 156         | 514       | 0       | 0       | 1,583    | 822                       | 1,709                      | 4,784     |
| New Hampshire           | 129         | 0         | 0       | 0       | 79       | 726                       | 541                        | 1,475     |
| New Jersey              | 1,089       | 267       | 0       | 0       | 42       | 650                       | 5,548                      | 7,596     |
| New Mexico              | 4,889       | 6,042     | 0       | 5,398   | 9,222    | 21,700                    | 13,791                     | 61,042    |
| New York                | 13,241      | 2,566     | 0       | 0       | 521      | 8,088                     | 18,001                     | 42,417    |
| North Carolina          | 12,755      | 5,131     | 0       | 18,497  | 120      | 10,414                    | 30,701                     | 77,618    |
| North Dakota            | 70,373      | 167,502   | 0       | 0       | 3,403    | 114,761                   | 101,278                    | 457,317   |
| Ohio                    | 51,024      | 17,590    | 0       | 0       | 1,699    | 31,294                    | 15,434                     | 117,041   |
| Oklahoma                | 4,996       | 105,623   | 113     | 17,308  | 2,764    | 55,124                    | 21,075                     | 207,003   |
| Oregon                  | 3,911       | 25,504    | 0       | 0       | 3,534    | 29,672                    | 11,795                     | 74,416    |
| Pennsylvania            | 7,983       | 912       | 0       | 0       | 700      | 9,992                     | 13,101                     | 32,688    |
| Rhode Island            | 1           | 0         | 0       | 0       | 10       | 89                        | 351                        | 451       |
| South Carolina          | 6,820       | 5,677     | 0       | 12,947  | 8        | 14,148                    | 20,588                     | 60,188    |
| South Dakota            | 53,523      | 51,283    | 0       | 0       | 11,174   | 74,733                    | 98,492                     | 289,205   |
| Tennessee               | 7,027       | 5,503     | 63      | 34,335  | 92       | 26,999                    | 21,565                     | 95,584    |
| Texas                   | 66,557      | 73,431    | 48,370  | 265,400 | 89,820   | 182,502                   | 137,049                    | 863,129   |
| Utah                    | 2,157       | 3,536     | 0       | 0       | 8,496    | 11,052                    | 6,814                      | 32,055    |
| Vermont                 | 333         | 1         | 0       | 0       | 216      | 1,937                     | 1,767                      | 4,254     |
| Virginia                | 5,789       | 2,741     | 0       | 618     | 812      | 6,994                     | 17,278                     | 34,232    |
| Washington              | 16,183      | 66,686    | 0       | 0       | 872      | 57,003                    | 12,096                     | 152,840   |
| West Virginia           | 726         | 61        | 0       | 0       | 425      | 2,345                     | 1,956                      | 5,513     |
| Wisconsin               | 50,828      | 1,518     | 0       | 0       | 610      | 54,154                    | 129,291                    | 236,401   |
| Wyoming                 | 2,309       | 3,476     | 0       | 0       | 14,753   | 12,308                    | 5,327                      | 38,173    |
| United States           | 1,446,939   | 1,155,840 | 336,710 | 826,377 | 201,947  | 1,978,038                 | 1,933,278                  | 7,879,129 |

<sup>1</sup>Includes both cash payments and payments in kind (PIK).

<sup>2</sup>Includes amount paid under agriculture and conservation programs (Conservation Reserve, Agriculture Conservation, Emergency Conservation, and Great Plains Program).

<sup>3</sup>The programs included Rural Clean Water, Forestry Incentive Long Term, Water Bank Practice Cost Share, Dairy Indemnity, Dairy Termination, Extended Warehouse Storage, Extended Farm Storage, Colorado River Salinity, Livestock Emergency Assistance, Interest Payments, Disaster, Loan Deficiency, Market Gains, Naval Stores Conservation, Milk Marketing Fee, Options Pilot, Milk Diversion, Emergency Feed, Rice Marketing, 90 Day Rule, Payment Limitation Refund, Additional Interest, Arkansas Beaver Lake, Wetlands Reserve, and Disaster non-Program Crops.

Source: Economic Research Service, U.S. Department of Agriculture.

**Table 6-4—Direct government payments by program and State, 1995<sup>1</sup>**

| Year                    | Feed grains | Wheat   | Rice    | Cotton | Wool Act | Conservation <sup>2</sup> | Miscellaneous <sup>3</sup> | Total     |
|-------------------------|-------------|---------|---------|--------|----------|---------------------------|----------------------------|-----------|
| <i>Thousand dollars</i> |             |         |         |        |          |                           |                            |           |
| Alabama                 | 3,366       | 1,736   | 0       | 1,605  | 42       | 31,768                    | 14,914                     | 53,432    |
| Alaska                  | 57          | 0       | 0       | 0      | 1        | 1,056                     | 621                        | 1,735     |
| Arizona                 | 1,914       | 2,100   | 0       | 2,131  | 771      | 1,783                     | 757                        | 9,456     |
| Arkansas                | 6,306       | 9,743   | 312,680 | 1,317  | 128      | 15,336                    | 37,689                     | 383,199   |
| California              | 8,635       | 11,701  | 155,898 | 5,239  | 5,797    | 15,360                    | 35,040                     | 237,670   |
| Colorado                | 43,441      | 21,681  | 0       | 0      | 4,838    | 83,175                    | 13,828                     | 166,963   |
| Connecticut             | 720         | 0       | 0       | 0      | 20       | 382                       | 1,260                      | 2,382     |
| Delaware                | 2,178       | 151     | 0       | 0      | 1        | 373                       | 406                        | 3,109     |
| Florida                 | 1,638       | 215     | 163     | 14     | 4        | 10,246                    | 42,765                     | 55,045    |
| Georgia                 | 9,811       | 3,705   | 0       | -201   | 27       | 32,141                    | 20,910                     | 66,393    |
| Hawaii                  | 0           | 0       | 0       | 0      | 0        | 406                       | 541                        | 947       |
| Idaho                   | 7,544       | 22,453  | 0       | 0      | 3,078    | 40,898                    | 15,476                     | 89,449    |
| Illinois                | 453,012     | 9,268   | 0       | 0      | 384      | 66,016                    | 15,024                     | 543,704   |
| Indiana                 | 200,170     | 4,336   | 0       | 0      | 180      | 35,742                    | 5,540                      | 245,968   |
| Iowa                    | 590,712     | 87      | 0       | 0      | 1,391    | 183,865                   | 8,607                      | 784,662   |
| Kansas                  | 154,774     | 96,105  | 0       | -4     | 911      | 157,485                   | 12,955                     | 422,226   |
| Kentucky                | 34,003      | 2,608   | 33      | 0      | 94       | 28,214                    | 2,406                      | 67,358    |
| Louisiana               | 4,324       | 2,262   | 122,038 | 2,154  | 14       | 9,048                     | 17,289                     | 157,129   |
| Maine                   | 577         | 0       | 0       | 0      | 54       | 3,575                     | 9,874                      | 14,080    |
| Maryland                | 9,719       | 667     | 0       | 0      | 85       | 2,370                     | 2,301                      | 15,142    |
| Massachusetts           | 425         | 0       | 0       | 0      | 38       | 498                       | 1,497                      | 2,458     |
| Michigan                | 86,358      | 5,186   | 0       | 0      | 475      | 22,817                    | 36,160                     | 150,996   |
| Minnesota               | 268,603     | 27,744  | 0       | 0      | 1,057    | 106,069                   | 64,128                     | 467,901   |
| Mississippi             | 3,438       | 2,587   | 61,395  | 4,473  | 16       | 38,561                    | 18,689                     | 129,159   |
| Missouri                | 84,962      | 11,366  | 25,097  | 338    | 589      | 119,034                   | 14,586                     | 255,972   |
| Montana                 | 18,119      | 46,826  | 0       | 0      | 6,982    | 108,702                   | 9,172                      | 189,801   |
| Nebraska                | 382,850     | 20,297  | 0       | 0      | 817      | 81,416                    | 21,923                     | 507,303   |
| Nevada                  | 108         | 342     | 0       | 0      | 732      | 785                       | 2,298                      | 4,265     |
| New Hampshire           | 267         | 0       | 0       | 0      | 32       | 575                       | 309                        | 1,183     |
| New Jersey              | 2,209       | 129     | 0       | 0      | 28       | 402                       | 2,724                      | 5,492     |
| New Mexico              | 7,976       | 3,412   | 0       | -108   | 4,753    | 20,616                    | 18,485                     | 55,134    |
| New York                | 25,589      | 1,366   | 0       | 0      | 306      | 6,152                     | 10,068                     | 43,481    |
| North Carolina          | 19,856      | 1,940   | 0       | -666   | 67       | 9,213                     | 9,741                      | 40,151    |
| North Dakota            | 48,133      | 87,987  | 0       | 0      | 1,761    | 113,720                   | 44,614                     | 296,215   |
| Ohio                    | 121,457     | 7,583   | 0       | 0      | 792      | 28,868                    | 8,536                      | 167,236   |
| Oklahoma                | 9,630       | 55,742  | 227     | 941    | 932      | 52,851                    | 44,298                     | 164,621   |
| Oregon                  | 2,635       | 11,858  | 0       | 0      | 1,833    | 28,801                    | 6,646                      | 51,773    |
| Pennsylvania            | 16,543      | 432     | 0       | 0      | 434      | 9,639                     | 14,007                     | 41,055    |
| Rhode Island            | 5           | 0       | 0       | 0      | 4        | 206                       | 103                        | 318       |
| South Carolina          | 10,162      | 2,928   | 0       | 671    | 5        | 13,023                    | 6,982                      | 33,771    |
| South Dakota            | 104,094     | 28,590  | 0       | 0      | 5,614    | 75,911                    | 30,789                     | 244,998   |
| Tennessee               | 13,235      | 2,651   | 177     | 493    | 52       | 25,807                    | 4,914                      | 47,329    |
| Texas                   | 128,216     | 40,565  | 106,755 | 11,327 | 38,280   | 174,084                   | 143,446                    | 642,673   |
| Utah                    | 1,619       | 1,839   | 0       | 0      | 4,759    | 10,508                    | 5,770                      | 24,495    |
| Vermont                 | 796         | 0       | 0       | 0      | 100      | 1,786                     | 1,643                      | 4,325     |
| Virginia                | 9,638       | 1,259   | 0       | -36    | 466      | 6,530                     | 7,533                      | 25,390    |
| Washington              | 9,699       | 33,283  | 0       | 0      | 507      | 55,859                    | 16,484                     | 115,832   |
| West Virginia           | 1,470       | 29      | 0       | 0      | 245      | 1,634                     | 1,857                      | 5,235     |
| Wisconsin               | 110,838     | 721     | 0       | 0      | 356      | 51,178                    | 20,739                     | 183,832   |
| Wyoming                 | 2,114       | 1,714   | 0       | 0      | 8,403    | 11,719                    | 7,279                      | 31,229    |
| United States           | 3,023,945   | 587,194 | 784,463 | 29,688 | 98,255   | 1,896,203                 | 833,623                    | 7,253,372 |

<sup>1</sup>Includes both cash payments and payments in kind (PIK).

<sup>2</sup>Includes amount paid under agriculture and conservation programs (Conservation Reserve, Agriculture Conservation, Emergency Conservation, and Great Plains Program).

<sup>3</sup>The programs include Rural Clean Water, Forestry Incentive Annual, Forestry Incentive Long Term, Water Bank Annual, Water Bank Practice Cost Share, Dairy Indemnity, Dairy Termination, Extended Warehouse Storage, Extended Farm Storage, Colorado River Salinity, Livestock Emergency Assistance, Interest Payments, Disaster, Loan Deficiency, Market Gains, Naval Stores Conservation, Milk Marketing Fee, Options Pilot, Milk Diversion, Emergency Feed, Rice Marketing, 90 Day Rule, Payment Limitation Refund, Additional Interest, Arkansas Beaver Lake, Wetlands Reserve, and Interest On CCC 6S.

Source: Economic Research Service, U.S. Department of Agriculture.

**Table 6-5—Direct government payments by program and State, 1996<sup>1</sup>**

| Year                    | Feed grains | Wheat    | Rice    | Cotton   | Wool Act | Conservation <sup>2</sup> | Miscellaneous <sup>3</sup> | Total     |
|-------------------------|-------------|----------|---------|----------|----------|---------------------------|----------------------------|-----------|
| <i>Thousand dollars</i> |             |          |         |          |          |                           |                            |           |
| Alabama                 | 314         | -212     | 0       | -4,119   | 16       | 28,813                    | 50,665                     | 75,476    |
| Alaska                  | -23         | -0       | 0       | 0        | 3        | 1,091                     | 187                        | 1,258     |
| Arizona                 | 17          | -1,166   | 0       | -7,082   | 523      | 1,422                     | 63,569                     | 57,283    |
| Arkansas                | -93         | -8,170   | 68,240  | -7,374   | 72       | 14,201                    | 294,995                    | 361,872   |
| California              | -563        | -4,526   | 34,272  | -13,668  | 3,088    | 16,997                    | 258,141                    | 293,741   |
| Colorado                | -3,450      | -17,015  | 0       | 0        | 2,521    | 80,423                    | 113,142                    | 175,621   |
| Connecticut             | -106        | 0        | 0       | 0        | 9        | 331                       | 1,558                      | 1,792     |
| Delaware                | -353        | -149     | 0       | 0        | 1        | 372                       | 5,017                      | 4,889     |
| Florida                 | 134         | -41      | 5       | -351     | 2        | 7,737                     | 15,162                     | 22,648    |
| Georgia                 | 358         | -1,509   | 0       | -3,025   | 13       | 29,990                    | 88,626                     | 114,452   |
| Hawaii                  | 0           | 0        | 0       | 0        | 0        | 390                       | 190                        | 580       |
| Idaho                   | -4,477      | -19,910  | 0       | 0        | 1,591    | 39,629                    | 98,939                     | 115,773   |
| Illinois                | -66,086     | -8,978   | 0       | 0        | 196      | 63,879                    | 397,683                    | 386,693   |
| Indiana                 | -23,350     | -4,150   | 0       | 0        | 86       | 33,177                    | 207,871                    | 213,633   |
| Iowa                    | -112,123    | -77      | 0       | 0        | 728      | 170,112                   | 443,027                    | 501,668   |
| Kansas                  | -14,443     | -87,920  | 0       | -1       | 448      | 153,081                   | 503,824                    | 554,988   |
| Kentucky                | -1,394      | -2,224   | 8       | 0        | 44       | 25,302                    | 52,931                     | 74,666    |
| Louisiana               | 324         | -410     | 26,744  | -9,225   | 4        | 8,454                     | 150,544                    | 176,435   |
| Maine                   | -55         | 0        | 0       | 0        | 26       | 2,943                     | 1,724                      | 4,638     |
| Maryland                | -1,123      | -619     | 0       | 0        | 46       | 2,363                     | 16,971                     | 17,638    |
| Massachusetts           | -27         | 0        | 0       | 0        | 17       | 441                       | 1,116                      | 1,547     |
| Michigan                | -9,308      | -4,476   | 0       | 0        | 231      | 22,959                    | 100,166                    | 109,571   |
| Minnesota               | -42,070     | -24,769  | 0       | 0        | 589      | 98,814                    | 316,142                    | 348,706   |
| Mississippi             | 136         | -1,261   | 13,103  | -15,530  | 4        | 37,324                    | 151,124                    | 184,901   |
| Missouri                | -2,313      | -9,615   | 5,611   | -1,666   | 350      | 113,753                   | 183,107                    | 289,227   |
| Montana                 | -6,295      | -41,494  | 0       | 0        | 3,504    | 102,825                   | 182,179                    | 240,718   |
| Nebraska                | -47,314     | -17,668  | 0       | 0        | 422      | 76,793                    | 376,504                    | 388,738   |
| Nevada                  | -26         | -148     | 0       | 0        | 352      | 654                       | 1,773                      | 2,605     |
| New Hampshire           | -3          | 0        | 0       | 0        | 15       | 424                       | 657                        | 1,094     |
| New Jersey              | -125        | -84      | 0       | 0        | 13       | 298                       | 3,147                      | 3,250     |
| New Mexico              | -534        | -1,676   | 0       | -514     | 2,526    | 19,183                    | 40,006                     | 58,989    |
| New York                | -2,045      | -943     | 0       | 0        | 156      | 6,359                     | 39,750                     | 43,277    |
| North Carolina          | -197        | -1,342   | 0       | -1,369   | 36       | 8,495                     | 70,005                     | 75,628    |
| North Dakota            | -12,319     | -77,769  | 0       | 0        | 961      | 106,213                   | 336,332                    | 353,417   |
| Ohio                    | -10,239     | -7,266   | 0       | 0        | 401      | 27,638                    | 152,545                    | 163,079   |
| Oklahoma                | -673        | -43,050  | 63      | -2,431   | 443      | 49,937                    | 232,405                    | 236,693   |
| Oregon                  | -588        | -9,793   | 0       | 0        | 1,054    | 28,571                    | 53,958                     | 73,202    |
| Pennsylvania            | -1,539      | -302     | 0       | 0        | 216      | 8,263                     | 30,462                     | 37,100    |
| Rhode Island            | -1          | 0        | 0       | 0        | 2        | 61                        | 94                         | 156       |
| South Carolina          | 770         | -1,452   | 0       | -1,858   | 1        | 12,544                    | 32,858                     | 42,865    |
| South Dakota            | -2,267      | -15,981  | 0       | 0        | 2,809    | 68,851                    | 176,130                    | 229,543   |
| Tennessee               | -87         | -1,889   | 22      | -4,291   | 25       | 23,325                    | 62,689                     | 79,793    |
| Texas                   | -6,536      | -20,639  | 26,727  | -32,341  | 24,621   | 163,461                   | 609,160                    | 764,454   |
| Utah                    | -436        | -1,196   | 0       | 0        | 2,565    | 9,811                     | 10,242                     | 20,986    |
| Vermont                 | -76         | -0       | 0       | 0        | 34       | 1,335                     | 2,720                      | 4,012     |
| Virginia                | -502        | -920     | 0       | -39      | 223      | 6,877                     | 24,738                     | 30,377    |
| Washington              | -2,203      | -30,491  | 0       | 0        | 260      | 54,896                    | 132,841                    | 155,304   |
| West Virginia           | -144        | -20      | 0       | 0        | 136      | 1,944                     | 2,621                      | 4,537     |
| Wisconsin               | -10,483     | -644     | 0       | 0        | 181      | 48,903                    | 118,832                    | 156,789   |
| Wyoming                 | -456        | -1,260   | 0       | 0        | 4,127    | 11,060                    | 10,903                     | 24,374    |
| United States           | -384,393    | -473,223 | 174,795 | -104,884 | 55,689   | 1,792,720                 | 6,219,973                  | 7,280,678 |

<sup>1</sup>Includes both cash payments and payments in kind (PIK).

<sup>2</sup>Includes amount paid under agriculture and conservation programs (Conservation Reserve, Agriculture Conservation, Emergency Conservation, and Great Plains Program).

<sup>3</sup>Includes Production Flexibility Contracts Payments under the 1996 Farm Act. Other programs included in the miscellaneous category are Rural Clean Water, Forestry Incentive Annual, Dairy Indemnity, Dairy Termination, Extended Warehouse Storage, Extended Farm Storage, Livestock Emergency Assistance, Interest Payments, Disaster, Loan Deficiency, Market Gains, Naval Stores Conservation Milk Marketing Fee, Options Pilot, Emergency Feed, Rice Marketing, Payment Limitation Refund, Additional Interest, Arkansas Beaver Lake, Noninsured Assistance, Interest on NAP, Karnal Bunt Fungus, Production Flexibility, Disaster Reserve, and Environment Quality Incentives.

Source: Economic Research Service, U.S. Department of Agriculture.

## Farm Business Debt Rose \$5 Billion in 1996

Jim Ryan

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In 1996, farm debt reached its highest level since 1986, but farm equity rose as gains in asset values outpaced the increase in debt. California carried the largest total farm business debt, followed by Iowa and Texas. Banks' share of farm business lending decreased for the first time in 15 years.

### Debt Increase Moderate, Given the Sector's Healthy Financial Condition

Total farm business debt rose more than \$5 billion during 1996, reaching over \$156 billion, the highest since 1986. The 1996 increase marked the fourth consecutive year of rising debt. This growth in loan balances reflected investors' positive view of the future of the farm sector—stable to growing returns on their investment—and the favorable interest rate environment (see Chapter 3). Various measures of the debt burden (see Chapter 4) indicate that the current increase, while a matter of concern, is not threatening to the sector's financial condition. Farm asset values have been rising more rapidly than debt in recent years, as evidenced by the decline in the sector's **debt/asset** ratio from 23 percent in 1985 to 15.1 percent in 1996. Rising debt loads have not produced widespread financial problems for U.S. farmers. While the additional indebtedness may burden farmers' ability to repay in certain geographic areas, it is not expected to precipitate a return of the financial stress experienced in the early 1980's (fig. 7-1). (Financial ratios are defined in Chapter 4.)

Measures of farmers' ability to meet payments on their loans improved slightly in 1996; they remained favorable relative to their levels in the early 1980's. The **farm business debt service coverage** ratio, which assesses the ability of farm businesses to repay interest and principal from current earnings, rose from 2.10 in 1995 to 2.33 in 1996, indicating that farmers had adequate income to service their existing debt. This measure remains above its 1985 level of 1.65. The **debt servicing** ratio was stable at 14 percent during 1992-94, but rose to 15 percent in 1995, and fell back to 14 percent in 1996, indicating that loan payments were taking a smaller portion of current income. In contrast,

principal and interest payments had absorbed 25 percent of gross cash income in 1985. These measures suggest that farmers in the early 1990's were better able to meet the scheduled interest and principal payments on their debt out of current income than they had been during the previous decade.

**Debt repayment capacity utilization** (fig. 7-2), a measure of the actual debt held compared with the theoretical maximum debt that could be repaid from current income, rose from 45 percent in 1993 to 53 percent in 1994. This measure increased further to 56 percent in 1995, a new high for in the 1990's. The favorable income level reduced this measure to 49 percent in 1996. By comparison, **debt repayment capacity utilization** had reached almost 107 percent in 1981. Recent changes in this measure reflect a reduction in use of total debt repayment capacity, and its level remains favorable compared with the values recorded in 1977-86. (See *Agricultural Income and Finance*, May 1992 or September 1995, for additional information about the use of the debt repayment capacity utilization measure.)

A similar general assessment applies to interest on farm debt. Although rising in 1996, interest payments were a significantly smaller expense item than in the early 1980's. Total interest payments on farm business loans were about \$500 million higher in 1996 than in 1995. This marked the third consecutive increase in interest expenses, which had declined annually from 1982 through 1993. Farm business debt has been rising since reaching a low in 1989, but generally favorable interest rates have restrained interest expenses. Economywide interest rates generally trended upward during the first three quarters of 1996, then declined late in the year. For the year, average interest rates on existing agricultural loans rose, since many production loans had been negotiated before the decline in overall interest rates.

Despite Federal Reserve Bank surveys indicating that the average bank interest rates on new nonreal estate loans fell from 9.5 percent in 1995 to 8.4 percent in 1996, the average rate on all outstanding nonreal estate

loans rose slightly, from 9.5 percent in 1995 to 9.6 percent in 1996. Average interest rates on outstanding loans represent a weighted average of interest rates taken out in 1996 and prior years, while rates charged on new loans better reflect the changes in interest rates in the overall economy. Nonreal estate debt rose 3.8 percent in 1996, reaching over \$74 billion. The simultaneous increases in debt and average interest rates produced a \$300-million increase in nonreal estate interest expense. Real estate interest expense rose over \$200 million, as real estate debt increased 3 percent to \$81.9 billion, and average mortgage rates rose from an estimated 8.01 percent in 1995 to 8.14 percent in 1996.

### **California, Iowa, and Texas Hold the Most Farm Debt**

California's 1996 farm business debt was \$14.9 billion, the largest for any State. Iowa was second with \$11.6 billion, followed by Texas with \$10 billion. Illinois, Nebraska, Minnesota, Kansas, Missouri, and Wisconsin each registered farm debt of over \$5 billion. These nine States accounted for about 50 percent of the farm sector's debt in 1996. The top 12 States (adding Indiana, Oklahoma, and Florida) accounted for 58 percent of all debt outstanding.

### **Commercial Banks' Farm Debt Share Growth Slows**

The share of farm business debt held by commercial banks increased continuously from 21 percent in 1981 to 39.8 percent in 1995. It retreated modestly to 39.5 percent in 1996. Over this period, bank-held farm debt rose from less than \$39 billion to \$61.7 billion. Financing provided by the Farm Credit System (FCS) peaked in 1984 at \$65 billion, declined to about \$35 billion by 1990, and stabilized at that level during the early 1990's. In 1996, FCS debt rose to almost \$40 billion, driven principally by a 12-percent gain in nonreal estate loans outstanding. The Farm Credit System's share of farm debt peaked at 34 percent in 1982, declined to less than 25 percent by 1994, and rebounded to 25.5 percent by the end of 1995. The share held by USDA's Farm Service Agency (formerly FmHA) fell from 16 percent in 1987 to less than 6 percent in 1996, as the agency continued to shift its lending focus from direct loans to guaranteed loans. Individuals and others accounted for about 23 percent of total farm financing in 1996.

Farm Credit System loans were a relatively larger share of debt in the Northeast, Appalachia, and Lake States, while commercial banks were the most important loan source for States in the Corn Belt, Northern Plains, Southern Plains, and Delta States. (See tables 7-1 through 7-6 for details on credit sources by State.)

Figure 7-1

# **U.S. farm sector debt, selected years**

*Debt rising in the 1990's, but still below the early 1980's*

\$ billion

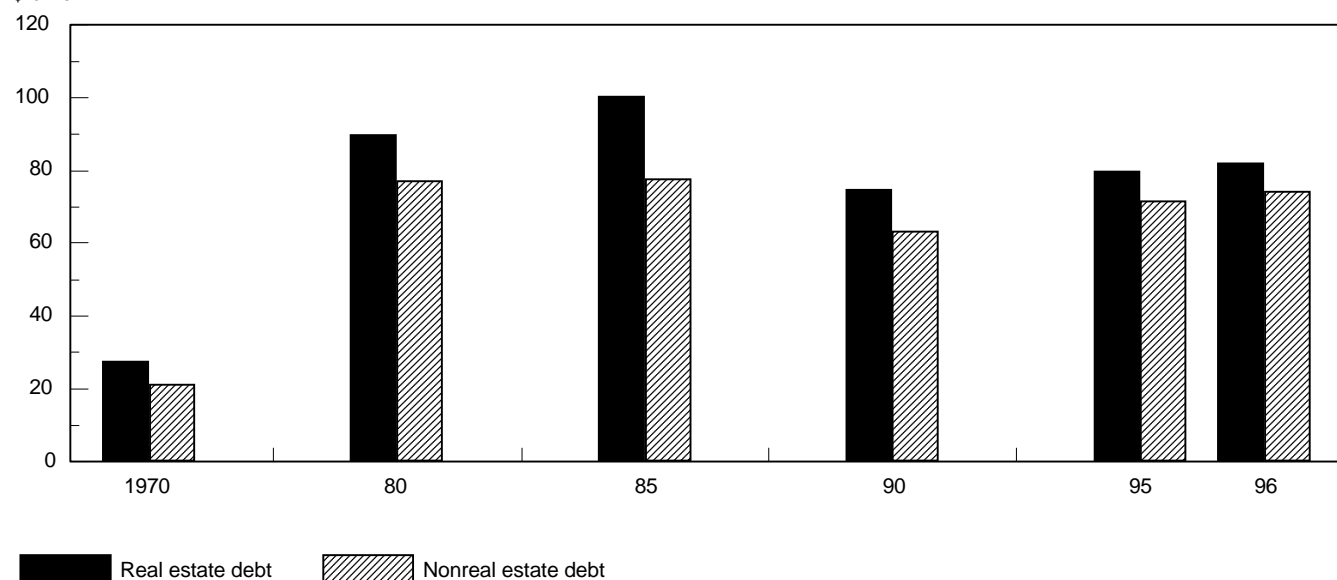
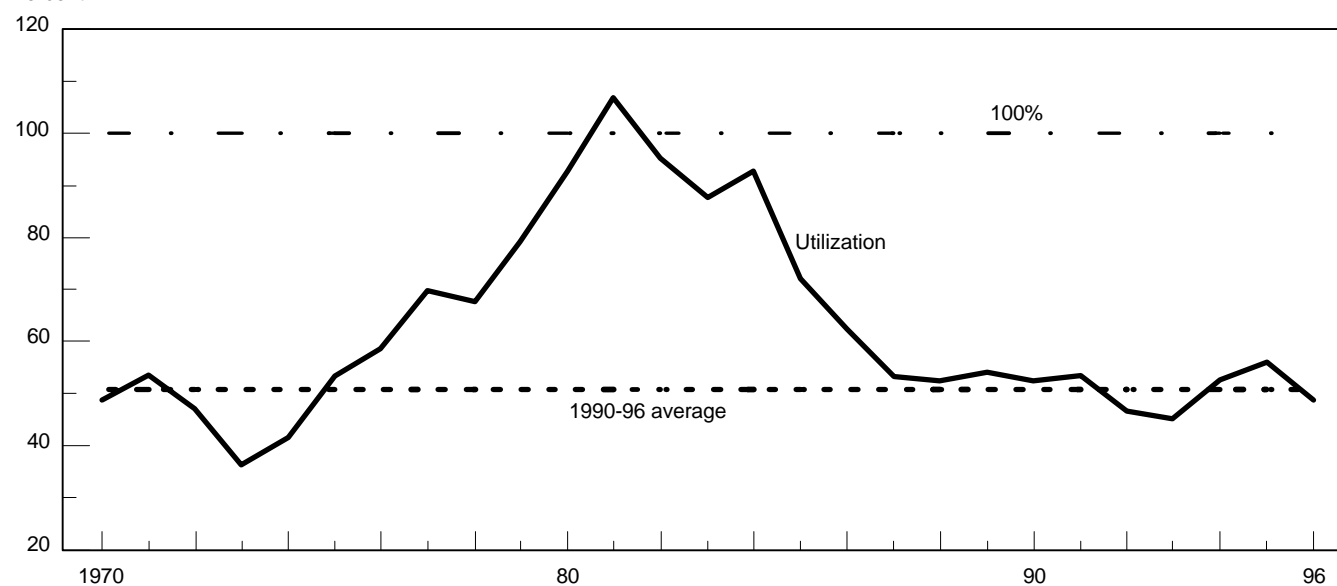


Figure 7-2

# **Debt capacity utilization, 1970-96**

*Utilization up for 1995, but close to 1990-95 average*

Percent



**Table 7-1—Real estate farm business debt by State, December 31, 1994**

| State                   | Farm<br>Credit<br>System | Farm<br>Service<br>Agency | Life<br>insurance<br>companies | All<br>operating<br>banks | Individual<br>and<br>others | CCC<br>storage and<br>drying<br>loans | Real<br>estate<br>debt <sup>1</sup> |
|-------------------------|--------------------------|---------------------------|--------------------------------|---------------------------|-----------------------------|---------------------------------------|-------------------------------------|
| <i>Thousand dollars</i> |                          |                           |                                |                           |                             |                                       |                                     |
| Alabama                 | 206,944                  | 57,793                    | 31,333                         | 300,018                   | 117,813                     | 0                                     | 713,902                             |
| Alaska                  | 738                      | 430                       | 1,059                          | 3,056                     | 4,732                       | 0                                     | 10,014                              |
| Arizona                 | 80,550                   | 47,613                    | 157,448                        | 40,194                    | 145,504                     | 0                                     | 471,309                             |
| Arkansas                | 563,677                  | 165,868                   | 245,608                        | 721,295                   | 207,552                     | 0                                     | 1,904,000                           |
| California              | 2,499,664                | 199,261                   | 2,761,991                      | 1,088,132                 | 1,405,153                   | 0                                     | 7,954,202                           |
| Colorado                | 708,723                  | 71,850                    | 155,735                        | 246,017                   | 387,746                     | 0                                     | 1,570,069                           |
| Connecticut             | 52,853                   | 9,760                     | 0                              | 6,038                     | 16,802                      | 0                                     | 85,453                              |
| Delaware                | 73,502                   | 9,033                     | 15,848                         | 32,871                    | 23,437                      | 0                                     | 154,692                             |
| Florida                 | 518,272                  | 86,947                    | 1,253,963                      | 705,138                   | 355,317                     | 0                                     | 2,919,637                           |
| Georgia                 | 505,224                  | 95,229                    | 113,860                        | 707,181                   | 169,315                     | 0                                     | 1,590,809                           |
| Hawaii                  | 59,866                   | 27,996                    | 27,388                         | 40,634                    | 10,378                      | 0                                     | 166,261                             |
| Idaho                   | 513,962                  | 154,956                   | 169,396                        | 41,174                    | 343,081                     | 0                                     | 1,222,568                           |
| Illinois                | 1,428,318                | 211,918                   | 294,804                        | 1,716,251                 | 936,621                     | 0                                     | 4,587,912                           |
| Indiana                 | 847,404                  | 158,349                   | 274,737                        | 936,633                   | 814,229                     | 0                                     | 3,031,351                           |
| Iowa                    | 1,327,592                | 296,163                   | 399,712                        | 1,884,511                 | 2,126,670                   | 0                                     | 6,034,648                           |
| Kansas                  | 992,580                  | 183,801                   | 138,135                        | 833,226                   | 446,087                     | 0                                     | 2,593,830                           |
| Kentucky                | 411,777                  | 184,727                   | 54,970                         | 793,683                   | 298,614                     | 0                                     | 1,743,771                           |
| Louisiana               | 254,231                  | 72,611                    | 137,580                        | 217,671                   | 101,967                     | 0                                     | 784,060                             |
| Maine                   | 27,851                   | 42,877                    | 19,470                         | 6,782                     | 17,426                      | 0                                     | 114,406                             |
| Maryland                | 378,975                  | 21,254                    | 20,007                         | 113,607                   | 127,569                     | 0                                     | 661,412                             |
| Massachusetts           | 61,407                   | 21,413                    | 24,193                         | 3,872                     | 18,198                      | 0                                     | 129,084                             |
| Michigan                | 605,013                  | 118,209                   | 60,576                         | 242,501                   | 400,257                     | 0                                     | 1,426,557                           |
| Minnesota               | 1,194,529                | 190,803                   | 209,912                        | 1,055,273                 | 1,117,941                   | 0                                     | 3,768,459                           |
| Mississippi             | 236,590                  | 155,781                   | 236,737                        | 478,967                   | 162,263                     | 0                                     | 1,270,338                           |
| Missouri                | 639,723                  | 226,474                   | 164,387                        | 1,210,361                 | 630,706                     | 0                                     | 2,871,650                           |
| Montana                 | 488,213                  | 134,987                   | 175,748                        | 231,940                   | 587,522                     | 0                                     | 1,618,410                           |
| Nebraska                | 835,642                  | 242,987                   | 263,124                        | 1,089,976                 | 677,516                     | 0                                     | 3,109,245                           |
| Nevada                  | 62,946                   | 13,921                    | 15,235                         | 10,357                    | 54,636                      | 0                                     | 157,095                             |
| New Hampshire           | 19,910                   | 6,635                     | 0                              | 4,540                     | 9,084                       | 0                                     | 40,170                              |
| New Jersey              | 119,902                  | 24,389                    | 5,554                          | 32,952                    | 76,479                      | 0                                     | 259,276                             |
| New Mexico              | 232,845                  | 49,635                    | 63,384                         | 107,323                   | 151,712                     | 0                                     | 604,900                             |
| New York                | 348,813                  | 124,882                   | 3,919                          | 157,164                   | 250,287                     | 0                                     | 885,064                             |
| North Carolina          | 485,934                  | 132,191                   | 67,897                         | 499,913                   | 174,815                     | 0                                     | 1,360,749                           |
| North Dakota            | 684,997                  | 222,164                   | 26,070                         | 366,824                   | 324,551                     | 0                                     | 1,624,606                           |
| Ohio                    | 718,836                  | 111,957                   | 84,417                         | 677,132                   | 438,393                     | 0                                     | 2,030,735                           |
| Oklahoma                | 519,678                  | 213,418                   | 87,753                         | 473,826                   | 364,674                     | 0                                     | 1,659,349                           |
| Oregon                  | 405,734                  | 83,346                    | 214,667                        | 73,975                    | 568,659                     | 0                                     | 1,346,381                           |
| Pennsylvania            | 491,794                  | 92,159                    | 6,464                          | 573,281                   | 245,609                     | 0                                     | 1,409,307                           |
| Rhode Island            | 12,792                   | 2,796                     | 0                              | 1,315                     | 1,710                       | 0                                     | 18,613                              |
| South Carolina          | 211,027                  | 58,345                    | 7,352                          | 71,383                    | 60,048                      | 0                                     | 408,154                             |
| South Dakota            | 459,146                  | 277,414                   | 53,924                         | 325,735                   | 384,416                     | 0                                     | 1,500,636                           |
| Tennessee               | 382,843                  | 133,249                   | 25,572                         | 415,871                   | 165,749                     | 0                                     | 1,123,285                           |
| Texas                   | 1,791,605                | 281,400                   | 400,561                        | 974,765                   | 1,085,264                   | 0                                     | 4,533,595                           |
| Utah                    | 93,242                   | 45,528                    | 11,081                         | 43,804                    | 146,950                     | 0                                     | 340,604                             |
| Vermont                 | 67,711                   | 39,048                    | 0                              | 46,493                    | 33,421                      | 0                                     | 186,672                             |
| Virginia                | 705,529                  | 58,681                    | 45,024                         | 251,019                   | 159,808                     | 0                                     | 1,220,061                           |
| Washington              | 502,515                  | 104,336                   | 328,250                        | 227,884                   | 400,144                     | 0                                     | 1,563,129                           |
| West Virginia           | 71,433                   | 33,738                    | 73,922                         | 77,096                    | 25,345                      | 0                                     | 281,535                             |
| Wisconsin               | 671,464                  | 156,440                   | 60,034                         | 918,692                   | 671,005                     | 0                                     | 2,477,634                           |
| Wyoming                 | 112,584                  | 31,199                    | 61,504                         | 81,057                    | 133,515                     | 0                                     | 419,859                             |
| United States           | 24,687,100               | 5,485,961                 | 9,050,305                      | 21,159,403                | 17,576,690                  | 0                                     | 77,959,458                          |

<sup>1</sup>Excluding farm operator residences.

Source: Economic Research Service, U.S. Department of Agriculture.



**Table 7-2—Nonreal estate farm business debt by State, December 31, 1994**

| State                   | All<br>operating<br>banks | Farm<br>Credit<br>System | Farm<br>Service<br>Agency | Individuals<br>and<br>others | Nonreal<br>estate<br>debt <sup>1</sup> | CCC<br>commodity<br>loans |
|-------------------------|---------------------------|--------------------------|---------------------------|------------------------------|--|---------------------------|
| <i>Thousand dollars</i> |                           |                          |                           |                              |  |                           |
| Alabama                 | 290,185                   | 165,900                  | 47,222                    | 253,560                      | 756,867                                | 21,021                    |
| Alaska                  | 3,172                     | 0                        | 22                        | 2,838                        | 6,032                                  | 0                         |
| Arizona                 | 391,726                   | 104,124                  | 86,113                    | 188,115                      | 770,078                                | 49,876                    |
| Arkansas                | 685,885                   | 257,265                  | 183,613                   | 372,920                      | 1,499,683                              | 433,710                   |
| California              | 3,268,476                 | 1,055,287                | 394,421                   | 1,272,535                    | 5,990,719                              | 251,778                   |
| Colorado                | 748,187                   | 177,555                  | 52,493                    | 510,923                      | 1,489,158                              | 49,931                    |
| Connecticut             | 4,312                     | 73,149                   | 6,200                     | 29,925                       | 113,587                                | 183                       |
| Delaware                | 36,170                    | 45,638                   | 3,293                     | 66,204                       | 151,306                                | 1,894                     |
| Florida                 | 402,201                   | 295,527                  | 111,332                   | 332,311                      | 1,141,371                              | 645                       |
| Georgia                 | 428,124                   | 338,439                  | 165,925                   | 338,886                      | 1,271,374                              | 15,685                    |
| Hawaii                  | 31,271                    | 14,483                   | 11,993                    | 35,093                       | 92,839                                 | 0                         |
| Idaho                   | 866,904                   | 170,909                  | 98,486                    | 233,785                      | 1,370,084                              | 25,369                    |
| Illinois                | 2,159,193                 | 277,904                  | 128,370                   | 649,651                      | 3,215,118                              | 683,427                   |
| Indiana                 | 838,679                   | 259,116                  | 92,309                    | 452,939                      | 1,643,044                              | 323,133                   |
| Iowa                    | 3,241,039                 | 245,724                  | 237,594                   | 976,772                      | 4,701,128                              | 1,137,393                 |
| Kansas                  | 2,168,606                 | 230,884                  | 116,552                   | 824,149                      | 3,340,191                              | 119,590                   |
| Kentucky                | 467,910                   | 242,061                  | 98,204                    | 215,887                      | 1,024,062                              | 48,100                    |
| Louisiana               | 330,695                   | 77,715                   | 252,039                   | 161,587                      | 822,036                                | 145,374                   |
| Maine                   | 45,536                    | 65,884                   | 52,765                    | 45,626                       | 209,811                                | 68                        |
| Maryland                | 48,872                    | 155,448                  | 14,510                    | 137,863                      | 356,694                                | 13,268                    |
| Massachusetts           | 57,629                    | 58,218                   | 14,804                    | 29,662                       | 160,313                                | 140                       |
| Michigan                | 368,419                   | 415,717                  | 151,098                   | 281,782                      | 1,217,016                              | 93,104                    |
| Minnesota               | 2,037,930                 | 623,563                  | 236,093                   | 656,698                      | 3,554,284                              | 736,748                   |
| Mississippi             | 446,365                   | 131,206                  | 355,565                   | 217,410                      | 1,150,546                              | 220,569                   |
| Missouri                | 1,247,116                 | 207,078                  | 141,411                   | 395,006                      | 1,990,610                              | 163,881                   |
| Montana                 | 620,590                   | 68,845                   | 163,610                   | 144,687                      | 997,733                                | 64,882                    |
| Nebraska                | 3,000,335                 | 251,502                  | 145,374                   | 963,400                      | 4,360,610                              | 519,837                   |
| Nevada                  | 13,041                    | 34,120                   | 7,917                     | 23,469                       | 78,547                                 | 0                         |
| New Hampshire           | 233                       | 17,621                   | 5,257                     | 11,791                       | 34,902                                 | 0                         |
| New Jersey              | 8,680                     | 73,528                   | 31,282                    | 44,218                       | 157,708                                | 3,543                     |
| New Mexico              | 229,207                   | 105,954                  | 30,209                    | 153,476                      | 518,845                                | 9,489                     |
| New York                | 347,138                   | 470,622                  | 196,105                   | 257,397                      | 1,271,262                              | 29,664                    |
| North Carolina          | 435,819                   | 669,655                  | 86,174                    | 424,170                      | 1,615,818                              | 37,870                    |
| North Dakota            | 1,064,406                 | 414,013                  | 271,271                   | 235,563                      | 1,985,253                              | 146,665                   |
| Ohio                    | 520,379                   | 330,859                  | 79,858                    | 378,576                      | 1,309,672                              | 184,319                   |
| Oklahoma                | 1,500,900                 | 144,180                  | 247,269                   | 341,996                      | 2,234,345                              | 16,413                    |
| Oregon                  | 464,473                   | 121,332                  | 60,922                    | 172,439                      | 819,165                                | 6,843                     |
| Pennsylvania            | 252,705                   | 348,167                  | 114,590                   | 343,740                      | 1,059,202                              | 16,729                    |
| Rhode Island            | 285                       | 14,410                   | 1,881                     | 3,688                        | 20,264                                 | 0                         |
| South Carolina          | 68,330                    | 157,051                  | 104,536                   | 111,702                      | 441,619                                | 11,943                    |
| South Dakota            | 1,440,521                 | 200,655                  | 253,494                   | 277,341                      | 2,172,011                              | 229,820                   |
| Tennessee               | 310,519                   | 209,861                  | 116,760                   | 239,774                      | 876,914                                | 99,665                    |
| Texas                   | 2,944,909                 | 669,983                  | 595,189                   | 1,175,902                    | 5,385,983                              | 155,842                   |
| Utah                    | 167,111                   | 55,570                   | 36,867                    | 69,632                       | 329,179                                | 2,615                     |
| Vermont                 | 15,216                    | 83,312                   | 15,174                    | 44,200                       | 157,902                                | 76                        |
| Virginia                | 159,722                   | 228,432                  | 78,195                    | 198,367                      | 664,715                                | 14,881                    |
| Washington              | 1,045,708                 | 91,290                   | 64,324                    | 272,155                      | 1,473,476                              | 25,142                    |
| West Virginia           | 26,355                    | 39,942                   | 21,651                    | 34,402                       | 122,349                                | 1,203                     |
| Wisconsin               | 1,149,100                 | 657,915                  | 215,027                   | 492,611                      | 2,514,653                              | 123,152                   |
| Wyoming                 | 329,459                   | 32,837                   | 24,277                    | 93,179                       | 479,753                                | 1,544                     |
| United States           | 36,729,743                | 11,180,450               | 6,019,640                 | 15,190,002                   | 69,119,831                             | 6,237,024                 |

<sup>1</sup>Excluding farm operator residences.

Source: Economic Research Service, U.S. Department of Agriculture.

**Table 7-3—Real estate farm business debt by State, December 31, 1995**

| State                   | Farm<br>Credit<br>System | Farm<br>Service<br>Agency | Life<br>insurance<br>companies | All<br>operating<br>banks | Individual<br>and<br>others | CCC<br>storage and<br>drying<br>loans | Real<br>estate<br>debt <sup>1</sup> |
|-------------------------|--------------------------|---------------------------|--------------------------------|---------------------------|-----------------------------|---------------------------------------|-------------------------------------|
| <i>Thousand dollars</i> |                          |                           |                                |                           |                             |                                       |                                     |
| Alabama                 | 232,994                  | 51,419                    | 25,089                         | 326,828                   | 121,262                     | 0                                     | 757,592                             |
| Alaska                  | 541                      | 283                       | 0                              | 453                       | 4,859                       | 0                                     | 6,137                               |
| Arizona                 | 88,884                   | 38,243                    | 148,601                        | 58,854                    | 149,395                     | 0                                     | 483,976                             |
| Arkansas                | 606,477                  | 151,411                   | 262,862                        | 768,624                   | 213,449                     | 0                                     | 2,002,824                           |
| California              | 2,559,878                | 180,210                   | 2,790,127                      | 1,087,313                 | 1,444,610                   | 0                                     | 8,062,138                           |
| Colorado                | 782,274                  | 69,342                    | 143,470                        | 285,344                   | 398,800                     | 0                                     | 1,679,230                           |
| Connecticut             | 52,618                   | 8,169                     | 0                              | 4,485                     | 17,252                      | 0                                     | 82,524                              |
| Delaware                | 85,845                   | 5,911                     | 14,836                         | 33,929                    | 24,096                      | 0                                     | 164,617                             |
| Florida                 | 520,182                  | 78,865                    | 1,188,067                      | 636,989                   | 365,080                     | 0                                     | 2,789,183                           |
| Georgia                 | 519,348                  | 80,722                    | 114,456                        | 799,575                   | 174,254                     | 0                                     | 1,688,354                           |
| Hawaii                  | 51,708                   | 27,480                    | 12,793                         | 5,201                     | 10,656                      | 0                                     | 107,838                             |
| Idaho                   | 497,305                  | 136,412                   | 194,084                        | 45,789                    | 352,999                     | 0                                     | 1,226,590                           |
| Illinois                | 1,475,221                | 197,374                   | 294,935                        | 1,759,932                 | 962,690                     | 0                                     | 4,690,151                           |
| Indiana                 | 832,696                  | 138,156                   | 273,332                        | 958,059                   | 837,658                     | 0                                     | 3,039,902                           |
| Iowa                    | 1,334,364                | 291,384                   | 386,766                        | 2,003,895                 | 2,186,071                   | 0                                     | 6,202,480                           |
| Kansas                  | 1,030,170                | 174,475                   | 130,316                        | 881,451                   | 458,609                     | 0                                     | 2,675,021                           |
| Kentucky                | 435,890                  | 171,112                   | 48,620                         | 843,751                   | 306,691                     | 0                                     | 1,806,063                           |
| Louisiana               | 258,669                  | 61,376                    | 126,361                        | 234,570                   | 104,855                     | 0                                     | 785,831                             |
| Maine                   | 20,460                   | 38,858                    | 32,122                         | 8,269                     | 17,892                      | 0                                     | 117,602                             |
| Maryland                | 346,031                  | 21,710                    | 19,040                         | 99,296                    | 131,211                     | 0                                     | 617,289                             |
| Massachusetts           | 58,838                   | 7,390                     | 22,677                         | 4,179                     | 18,684                      | 0                                     | 111,768                             |
| Michigan                | 620,462                  | 109,550                   | 55,274                         | 252,542                   | 411,804                     | 0                                     | 1,449,632                           |
| Minnesota               | 1,188,882                | 186,366                   | 215,888                        | 1,149,837                 | 1,149,689                   | 0                                     | 3,890,662                           |
| Mississippi             | 254,798                  | 139,824                   | 248,874                        | 525,871                   | 166,948                     | 0                                     | 1,336,316                           |
| Missouri                | 771,389                  | 212,242                   | 159,749                        | 1,299,330                 | 649,067                     | 0                                     | 3,091,776                           |
| Montana                 | 398,286                  | 123,691                   | 177,539                        | 257,497                   | 603,998                     | 0                                     | 1,561,011                           |
| Nebraska                | 830,571                  | 235,022                   | 292,442                        | 1,146,884                 | 696,312                     | 0                                     | 3,201,231                           |
| Nevada                  | 63,569                   | 12,766                    | 17,891                         | 1,814                     | 56,096                      | 0                                     | 152,136                             |
| New Hampshire           | 20,199                   | 4,558                     | 0                              | 4,330                     | 9,327                       | 0                                     | 38,414                              |
| New Jersey              | 115,499                  | 23,440                    | 244                            | 28,942                    | 78,625                      | 0                                     | 246,750                             |
| New Mexico              | 256,955                  | 43,004                    | 64,900                         | 122,941                   | 155,769                     | 0                                     | 643,569                             |
| New York                | 334,634                  | 116,867                   | 3,581                          | 147,303                   | 257,441                     | 0                                     | 859,827                             |
| North Carolina          | 487,837                  | 113,823                   | 71,908                         | 564,443                   | 179,541                     | 0                                     | 1,417,552                           |
| North Dakota            | 681,126                  | 214,229                   | 27,879                         | 383,063                   | 333,551                     | 0                                     | 1,639,848                           |
| Ohio                    | 724,024                  | 100,590                   | 89,776                         | 692,075                   | 451,105                     | 0                                     | 2,057,571                           |
| Oklahoma                | 520,643                  | 202,746                   | 132,358                        | 524,166                   | 375,337                     | 0                                     | 1,755,250                           |
| Oregon                  | 357,587                  | 73,144                    | 223,873                        | 104,684                   | 585,491                     | 0                                     | 1,344,779                           |
| Pennsylvania            | 478,074                  | 85,098                    | 5,585                          | 612,503                   | 252,605                     | 0                                     | 1,433,865                           |
| Rhode Island            | 12,449                   | 16,168                    | 0                              | 976                       | 1,755                       | 0                                     | 31,349                              |
| South Carolina          | 203,528                  | 52,098                    | 3,315                          | 56,327                    | 61,792                      | 0                                     | 377,059                             |
| South Dakota            | 464,027                  | 267,729                   | 73,014                         | 377,608                   | 395,217                     | 0                                     | 1,577,595                           |
| Tennessee               | 401,343                  | 117,282                   | 26,188                         | 440,537                   | 170,181                     | 0                                     | 1,155,532                           |
| Texas                   | 1,864,506                | 262,585                   | 397,337                        | 1,049,110                 | 1,116,248                   | 0                                     | 4,689,786                           |
| Utah                    | 98,462                   | 42,721                    | 10,987                         | 46,325                    | 150,879                     | 0                                     | 349,374                             |
| Vermont                 | 69,373                   | 36,728                    | 18                             | 40,991                    | 34,315                      | 0                                     | 181,424                             |
| Virginia                | 652,604                  | 51,489                    | 40,205                         | 258,130                   | 164,115                     | 0                                     | 1,166,544                           |
| Washington              | 418,594                  | 92,933                    | 358,315                        | 256,576                   | 411,610                     | 0                                     | 1,538,027                           |
| West Virginia           | 66,884                   | 31,937                    | 69,340                         | 75,861                    | 26,030                      | 0                                     | 270,053                             |
| Wisconsin               | 700,114                  | 144,564                   | 59,392                         | 996,104                   | 690,453                     | 0                                     | 2,590,626                           |
| Wyoming                 | 91,577                   | 29,874                    | 61,816                         | 94,534                    | 137,342                     | 0                                     | 415,143                             |
| United States           | 24,938,389               | 5,073,370                 | 9,116,242                      | 22,358,090                | 18,073,716                  | 0                                     | 79,559,811                          |

<sup>1</sup>Excluding farm operator residences.

Source: Economic Research Service, U.S. Department of Agriculture.

**Table 7-4—Nonreal estate farm business debt by State, December 31, 1995**

| State                   | All<br>operating<br>banks | Farm<br>Credit<br>System | Farm<br>Service<br>Agency | Individuals<br>and<br>others | Nonreal<br>estate<br>debt <sup>1</sup> | CCC<br>commodity<br>loans |
|-------------------------|---------------------------|--------------------------|---------------------------|------------------------------|--|---------------------------|
| <i>Thousand dollars</i> |                           |                          |                           |                              |  |                           |
| Alabama                 | 304,040                   | 187,741                  | 38,926                    | 269,919                      | 800,627                                | 10,048                    |
| Alaska                  | 2,415                     | 0                        | 248                       | 3,021                        | 5,684                                  | 0                         |
| Arizona                 | 327,694                   | 129,967                  | 67,062                    | 200,251                      | 724,974                                | 19,462                    |
| Arkansas                | 767,670                   | 300,809                  | 147,194                   | 396,980                      | 1,612,654                              | 350,443                   |
| California              | 3,503,880                 | 1,084,850                | 318,862                   | 1,354,633                    | 6,262,225                              | 232,644                   |
| Colorado                | 821,932                   | 192,899                  | 47,641                    | 543,885                      | 1,606,358                              | 18,597                    |
| Connecticut             | 2,081                     | 78,495                   | 4,632                     | 31,856                       | 117,064                                | 196                       |
| Delaware                | 23,603                    | 53,204                   | 2,006                     | 70,476                       | 149,288                                | 715                       |
| Florida                 | 365,618                   | 354,182                  | 85,766                    | 353,751                      | 1,159,317                              | 148                       |
| Georgia                 | 532,402                   | 435,906                  | 135,125                   | 360,750                      | 1,464,183                              | 5,434                     |
| Hawaii                  | 33,564                    | 10,786                   | 13,188                    | 37,357                       | 94,894                                 | 0                         |
| Idaho                   | 858,403                   | 191,724                  | 77,158                    | 248,868                      | 1,376,153                              | 17,637                    |
| Illinois                | 2,276,665                 | 322,068                  | 104,487                   | 691,563                      | 3,394,782                              | 240,572                   |
| Indiana                 | 874,136                   | 286,679                  | 73,340                    | 482,161                      | 1,716,316                              | 152,608                   |
| Iowa                    | 3,221,649                 | 277,080                  | 202,055                   | 1,039,790                    | 4,740,573                              | 382,623                   |
| Kansas                  | 2,114,393                 | 250,673                  | 104,812                   | 877,320                      | 3,347,197                              | 22,381                    |
| Kentucky                | 473,677                   | 278,813                  | 82,724                    | 229,815                      | 1,065,028                              | 26,509                    |
| Louisiana               | 381,130                   | 82,376                   | 189,871                   | 172,013                      | 825,388                                | 123,124                   |
| Maine                   | 50,355                    | 70,129                   | 50,916                    | 48,570                       | 219,969                                | 44                        |
| Maryland                | 47,044                    | 141,618                  | 14,148                    | 146,758                      | 349,568                                | 8,034                     |
| Massachusetts           | 25,257                    | 64,146                   | 6,082                     | 31,575                       | 127,059                                | 108                       |
| Michigan                | 355,613                   | 487,079                  | 130,041                   | 299,961                      | 1,272,694                              | 49,136                    |
| Minnesota               | 2,151,792                 | 756,709                  | 208,748                   | 699,065                      | 3,816,315                              | 345,507                   |
| Mississippi             | 487,734                   | 154,083                  | 293,124                   | 231,436                      | 1,166,377                              | 185,238                   |
| Missouri                | 1,341,047                 | 243,696                  | 116,615                   | 420,490                      | 2,121,847                              | 60,012                    |
| Montana                 | 636,944                   | 73,281                   | 142,478                   | 154,022                      | 1,006,724                              | 38,988                    |
| Nebraska                | 3,069,653                 | 278,158                  | 126,245                   | 1,025,555                    | 4,499,611                              | 141,881                   |
| Nevada                  | 15,695                    | 35,415                   | 8,041                     | 24,983                       | 84,134                                 | 0                         |
| New Hampshire           | 762                       | 20,276                   | 2,783                     | 12,552                       | 36,373                                 | 0                         |
| New Jersey              | 8,499                     | 84,494                   | 30,804                    | 47,070                       | 170,867                                | 2,344                     |
| New Mexico              | 234,602                   | 114,024                  | 25,883                    | 163,378                      | 537,886                                | 4,294                     |
| New York                | 373,655                   | 493,696                  | 176,378                   | 274,003                      | 1,317,732                              | 24,100                    |
| North Carolina          | 469,723                   | 873,813                  | 67,535                    | 451,536                      | 1,862,607                              | 14,779                    |
| North Dakota            | 1,145,167                 | 439,313                  | 245,485                   | 250,760                      | 2,080,726                              | 66,730                    |
| Ohio                    | 561,514                   | 358,839                  | 61,773                    | 403,001                      | 1,385,127                              | 84,052                    |
| Oklahoma                | 1,369,356                 | 145,851                  | 217,367                   | 364,059                      | 2,096,633                              | 3,924                     |
| Oregon                  | 472,958                   | 133,993                  | 54,358                    | 183,564                      | 844,872                                | 2,936                     |
| Pennsylvania            | 252,362                   | 337,718                  | 106,256                   | 365,916                      | 1,062,253                              | 9,485                     |
| Rhode Island            | 0                         | 14,297                   | 11,546                    | 3,926                        | 29,770                                 | 0                         |
| South Carolina          | 64,640                    | 202,953                  | 80,635                    | 118,908                      | 467,136                                | 4,245                     |
| South Dakota            | 1,418,550                 | 203,839                  | 219,278                   | 295,234                      | 2,136,900                              | 84,932                    |
| Tennessee               | 349,427                   | 222,609                  | 94,835                    | 255,243                      | 922,114                                | 75,251                    |
| Texas                   | 3,007,590                 | 703,942                  | 506,088                   | 1,251,767                    | 5,469,387                              | 89,770                    |
| Utah                    | 174,443                   | 56,527                   | 35,039                    | 74,124                       | 340,133                                | 2,113                     |
| Vermont                 | 13,821                    | 90,082                   | 15,603                    | 47,052                       | 166,557                                | 123                       |
| Virginia                | 159,236                   | 239,205                  | 65,308                    | 211,165                      | 674,914                                | 6,817                     |
| Washington              | 1,069,883                 | 106,973                  | 52,733                    | 289,713                      | 1,519,302                              | 14,088                    |
| West Virginia           | 25,409                    | 37,370                   | 21,936                    | 36,621                       | 121,335                                | 1,064                     |
| Wisconsin               | 1,165,394                 | 731,923                  | 187,326                   | 524,392                      | 2,609,036                              | 55,162                    |
| Wyoming                 | 345,137                   | 38,135                   | 21,101                    | 99,191                       | 503,563                                | 725                       |
| United States           | 37,748,214                | 12,472,438               | 5,091,585                 | 16,169,999                   | 71,482,226                             | 2,979,023                 |

<sup>1</sup>Excluding farm operator residences.

Source: Economic Research Service, U.S. Department of Agriculture.

**Table 7-5—Real estate farm business debt by State, December 31, 1996**

| State                   | Farm<br>Credit<br>System | Farm<br>Service<br>Agency | Life<br>insurance<br>companies | All<br>operating<br>banks | Individual<br>and<br>others | CCC<br>storage and<br>drying<br>loans | Real<br>estate<br>debt <sup>1</sup> |
|-------------------------|--------------------------|---------------------------|--------------------------------|---------------------------|-----------------------------|---------------------------------------|-------------------------------------|
| <i>Thousand dollars</i> |                          |                           |                                |                           |                             |                                       |                                     |
| Alabama                 | 263,968                  | 44,686                    | 24,235                         | 338,821                   | 124,420                     | 0                                     | 796,130                             |
| Alaska                  | 493                      | 642                       | 0                              | 1,058                     | 4,985                       | 0                                     | 7,179                               |
| Arizona                 | 109,441                  | 34,380                    | 132,331                        | 42,974                    | 153,286                     | 0                                     | 472,411                             |
| Arkansas                | 636,357                  | 139,321                   | 288,561                        | 791,651                   | 219,009                     | 0                                     | 2,074,898                           |
| California              | 2,651,820                | 167,706                   | 2,872,123                      | 1,123,680                 | 1,482,230                   | 0                                     | 8,297,559                           |
| Colorado                | 819,949                  | 64,497                    | 141,869                        | 308,043                   | 409,185                     | 0                                     | 1,743,543                           |
| Connecticut             | 48,774                   | 7,372                     | 0                              | 6,274                     | 17,701                      | 0                                     | 80,120                              |
| Delaware                | 85,758                   | 5,400                     | 0                              | 37,347                    | 24,724                      | 0                                     | 153,229                             |
| Florida                 | 503,019                  | 71,087                    | 1,178,999                      | 559,905                   | 374,587                     | 0                                     | 2,687,597                           |
| Georgia                 | 495,728                  | 70,495                    | 150,909                        | 860,950                   | 178,792                     | 0                                     | 1,756,873                           |
| Hawaii                  | 50,873                   | 26,533                    | 12,233                         | 4,465                     | 10,933                      | 0                                     | 105,036                             |
| Idaho                   | 502,576                  | 123,262                   | 230,853                        | 42,449                    | 362,192                     | 0                                     | 1,261,332                           |
| Illinois                | 1,494,153                | 186,639                   | 318,095                        | 1,894,184                 | 987,759                     | 0                                     | 4,880,830                           |
| Indiana                 | 849,387                  | 129,030                   | 295,734                        | 949,110                   | 859,473                     | 0                                     | 3,082,734                           |
| Iowa                    | 1,482,981                | 273,431                   | 414,406                        | 2,089,485                 | 2,243,000                   | 0                                     | 6,503,303                           |
| Kansas                  | 1,043,899                | 165,966                   | 132,937                        | 879,116                   | 470,552                     | 0                                     | 2,692,470                           |
| Kentucky                | 488,043                  | 158,922                   | 48,772                         | 853,781                   | 314,677                     | 0                                     | 1,864,195                           |
| Louisiana               | 280,201                  | 52,491                    | 108,412                        | 233,556                   | 107,585                     | 0                                     | 782,245                             |
| Maine                   | 18,161                   | 35,779                    | 42,859                         | 8,246                     | 18,357                      | 0                                     | 123,402                             |
| Maryland                | 338,390                  | 20,034                    | 19,734                         | 96,843                    | 134,628                     | 0                                     | 609,629                             |
| Massachusetts           | 56,184                   | 20,139                    | 20,731                         | 4,623                     | 19,171                      | 0                                     | 120,848                             |
| Michigan                | 643,997                  | 102,066                   | 50,398                         | 270,937                   | 422,528                     | 0                                     | 1,489,926                           |
| Minnesota               | 1,204,717                | 178,250                   | 250,847                        | 1,203,611                 | 1,179,629                   | 0                                     | 4,017,053                           |
| Mississippi             | 277,635                  | 126,827                   | 247,451                        | 587,165                   | 171,297                     | 0                                     | 1,410,375                           |
| Missouri                | 794,168                  | 198,827                   | 159,296                        | 1,410,743                 | 665,969                     | 0                                     | 3,229,003                           |
| Montana                 | 388,875                  | 115,678                   | 204,446                        | 279,709                   | 619,727                     | 0                                     | 1,608,435                           |
| Nebraska                | 915,094                  | 221,636                   | 318,892                        | 1,198,959                 | 714,445                     | 0                                     | 3,369,026                           |
| Nevada                  | 64,866                   | 10,881                    | 12,069                         | 3,272                     | 57,558                      | 0                                     | 148,646                             |
| New Hampshire           | 19,660                   | 4,151                     | 0                              | 3,650                     | 9,570                       | 0                                     | 37,031                              |
| New Jersey              | 245,015                  | 22,554                    | 242                            | 20,922                    | 80,673                      | 0                                     | 369,406                             |
| New Mexico              | 288,104                  | 39,826                    | 69,970                         | 134,891                   | 159,826                     | 0                                     | 692,617                             |
| New York                | 302,980                  | 111,910                   | 7,136                          | 156,611                   | 264,146                     | 0                                     | 842,783                             |
| North Carolina          | 462,987                  | 102,074                   | 87,054                         | 587,654                   | 184,216                     | 0                                     | 1,423,986                           |
| North Dakota            | 666,124                  | 204,801                   | 32,723                         | 413,011                   | 342,237                     | 0                                     | 1,658,896                           |
| Ohio                    | 772,931                  | 92,987                    | 95,820                         | 728,017                   | 462,853                     | 0                                     | 2,152,608                           |
| Oklahoma                | 587,652                  | 194,590                   | 157,536                        | 557,341                   | 385,111                     | 0                                     | 1,882,230                           |
| Oregon                  | 352,861                  | 66,306                    | 214,263                        | 79,535                    | 600,738                     | 0                                     | 1,313,702                           |
| Pennsylvania            | 454,761                  | 81,203                    | 683                            | 638,057                   | 259,183                     | 0                                     | 1,433,888                           |
| Rhode Island            | 11,227                   | 2,607                     | 0                              | 110                       | 1,801                       | 0                                     | 15,745                              |
| South Carolina          | 188,202                  | 47,148                    | 5,845                          | 68,445                    | 63,401                      | 0                                     | 373,042                             |
| South Dakota            | 471,151                  | 244,076                   | 80,829                         | 416,130                   | 405,509                     | 0                                     | 1,617,696                           |
| Tennessee               | 425,658                  | 106,260                   | 26,463                         | 463,093                   | 174,613                     | 0                                     | 1,196,087                           |
| Texas                   | 1,946,217                | 250,558                   | 452,383                        | 1,107,521                 | 1,145,317                   | 0                                     | 4,901,996                           |
| Utah                    | 98,535                   | 39,871                    | 9,964                          | 61,256                    | 154,808                     | 0                                     | 364,434                             |
| Vermont                 | 65,869                   | 34,613                    | 17                             | 39,313                    | 35,208                      | 0                                     | 175,019                             |
| Virginia                | 628,099                  | 46,692                    | 35,083                         | 248,738                   | 168,388                     | 0                                     | 1,127,000                           |
| Washington              | 452,728                  | 83,968                    | 331,283                        | 281,393                   | 422,329                     | 0                                     | 1,571,701                           |
| West Virginia           | 60,994                   | 30,788                    | 63,603                         | 82,117                    | 26,707                      | 0                                     | 264,209                             |
| Wisconsin               | 711,215                  | 132,487                   | 70,907                         | 1,081,694                 | 708,434                     | 0                                     | 2,704,736                           |
| Wyoming                 | 96,900                   | 27,533                    | 74,438                         | 103,098                   | 140,918                     | 0                                     | 442,888                             |
| United States           | 25,819,377               | 4,718,980                 | 9,493,434                      | 23,353,554                | 18,544,385                  | 0                                     | 81,929,727                          |

<sup>1</sup>Excluding farm operator residences.

Source: Economic Research Service, U.S. Department of Agriculture.

**Table 7-6—Nonreal estate farm business debt by State, December 31, 1996**

| State                   | All<br>operating<br>banks | Farm<br>Credit<br>System | Farm<br>Service<br>Agency | Individuals<br>and<br>others | Nonreal<br>estate<br>debt <sup>1</sup> | CCC<br>commodity<br>loans |
|-------------------------|---------------------------|--------------------------|---------------------------|------------------------------|--|---------------------------|
| <i>Thousand dollars</i> |                           |                          |                           |                              |  |                           |
| Alabama                 | 275,364                   | 199,411                  | 43,173                    | 291,185                      | 809,134                                | 32,485                    |
| Alaska                  | 1,629                     | 4                        | 598                       | 3,259                        | 5,491                                  | 25                        |
| Arizona                 | 197,656                   | 139,729                  | 31,077                    | 216,029                      | 584,491                                | 4,438                     |
| Arkansas                | 745,541                   | 309,084                  | 129,521                   | 428,257                      | 1,612,404                              | 311,459                   |
| California              | 3,843,161                 | 1,159,899                | 155,016                   | 1,461,362                    | 6,619,438                              | 93,184                    |
| Colorado                | 850,150                   | 264,258                  | 60,123                    | 586,737                      | 1,761,269                              | 27,084                    |
| Connecticut             | 6,709                     | 82,588                   | 7,094                     | 34,366                       | 130,756                                | 180                       |
| Delaware                | 19,099                    | 53,810                   | 5,073                     | 76,028                       | 154,010                                | 2,120                     |
| Florida                 | 348,597                   | 412,637                  | 64,676                    | 381,622                      | 1,207,531                              | 780                       |
| Georgia                 | 590,667                   | 512,096                  | 67,540                    | 389,173                      | 1,559,476                              | 24,373                    |
| Hawaii                  | 28,988                    | 8,589                    | 24,195                    | 40,301                       | 102,073                                | 0                         |
| Idaho                   | 643,236                   | 270,342                  | 115,505                   | 268,476                      | 1,297,558                              | 26,951                    |
| Illinois                | 2,500,683                 | 366,211                  | 170,857                   | 746,050                      | 3,783,802                              | 300,064                   |
| Indiana                 | 872,221                   | 341,942                  | 121,717                   | 520,150                      | 1,856,030                              | 169,955                   |
| Iowa                    | 3,440,058                 | 326,118                  | 250,496                   | 1,121,712                    | 5,138,384                              | 492,149                   |
| Kansas                  | 1,963,418                 | 283,428                  | 153,508                   | 946,442                      | 3,346,796                              | 43,307                    |
| Kentucky                | 506,873                   | 311,346                  | 151,867                   | 247,922                      | 1,218,008                              | 25,612                    |
| Louisiana               | 355,026                   | 89,338                   | 49,053                    | 185,565                      | 678,982                                | 156,854                   |
| Maine                   | 59,481                    | 80,345                   | 34,046                    | 52,397                       | 226,270                                | 86                        |
| Maryland                | 50,689                    | 144,166                  | 19,100                    | 158,320                      | 372,275                                | 11,123                    |
| Massachusetts           | 11,528                    | 72,658                   | 19,254                    | 34,063                       | 137,502                                | 113                       |
| Michigan                | 362,367                   | 576,396                  | 98,442                    | 323,595                      | 1,360,801                              | 39,696                    |
| Minnesota               | 2,231,135                 | 933,900                  | 167,943                   | 754,143                      | 4,087,121                              | 417,164                   |
| Mississippi             | 450,196                   | 157,573                  | 121,664                   | 249,671                      | 979,103                                | 180,432                   |
| Missouri                | 1,418,439                 | 275,393                  | 189,481                   | 453,619                      | 2,336,933                              | 101,454                   |
| Montana                 | 650,524                   | 78,550                   | 106,590                   | 166,156                      | 1,001,820                              | 55,594                    |
| Nebraska                | 3,126,606                 | 307,204                  | 202,186                   | 1,106,356                    | 4,742,352                              | 245,919                   |
| Nevada                  | 8,163                     | 35,528                   | 10,359                    | 26,952                       | 81,002                                 | 60                        |
| New Hampshire           | 733                       | 24,918                   | 4,001                     | 13,541                       | 43,193                                 | 0                         |
| New Jersey              | 6,306                     | 83,905                   | 21,160                    | 50,779                       | 162,150                                | 3,151                     |
| New Mexico              | 226,095                   | 140,460                  | 36,226                    | 176,250                      | 579,032                                | 10,885                    |
| New York                | 328,219                   | 538,561                  | 106,808                   | 295,591                      | 1,269,179                              | 21,039                    |
| North Carolina          | 472,932                   | 986,970                  | 97,200                    | 487,112                      | 2,044,214                              | 20,137                    |
| North Dakota            | 1,253,815                 | 511,374                  | 186,296                   | 270,517                      | 2,222,002                              | 162,217                   |
| Ohio                    | 650,822                   | 448,397                  | 88,723                    | 434,752                      | 1,622,694                              | 74,916                    |
| Oklahoma                | 1,365,520                 | 167,144                  | 185,057                   | 392,743                      | 2,110,463                              | 5,815                     |
| Oregon                  | 459,101                   | 149,616                  | 63,765                    | 198,027                      | 870,508                                | 5,502                     |
| Pennsylvania            | 268,812                   | 355,493                  | 77,774                    | 394,747                      | 1,096,826                              | 12,065                    |
| Rhode Island            | 0                         | 12,927                   | 2,503                     | 4,236                        | 19,666                                 | 0                         |
| South Carolina          | 66,487                    | 249,046                  | 45,150                    | 128,277                      | 488,960                                | 4,887                     |
| South Dakota            | 1,426,701                 | 212,178                  | 224,715                   | 318,494                      | 2,182,088                              | 136,349                   |
| Tennessee               | 318,685                   | 259,208                  | 102,813                   | 275,354                      | 956,059                                | 107,036                   |
| Texas                   | 2,797,149                 | 676,839                  | 233,681                   | 1,350,391                    | 5,058,060                              | 82,763                    |
| Utah                    | 386,641                   | 69,904                   | 37,605                    | 79,965                       | 574,116                                | 2,330                     |
| Vermont                 | 12,425                    | 96,450                   | 32,608                    | 50,759                       | 192,242                                | 108                       |
| Virginia                | 173,410                   | 244,764                  | 44,230                    | 227,802                      | 690,206                                | 9,916                     |
| Washington              | 1,039,575                 | 123,340                  | 78,706                    | 312,539                      | 1,554,159                              | 37,985                    |
| West Virginia           | 22,719                    | 36,150                   | 29,840                    | 39,507                       | 128,216                                | 1,259                     |
| Wisconsin               | 1,172,863                 | 792,249                  | 127,659                   | 565,708                      | 2,658,479                              | 46,008                    |
| Wyoming                 | 336,591                   | 42,661                   | 25,560                    | 107,006                      | 511,819                                | 1,466                     |
| United States           | 38,343,805                | 14,015,097               | 4,422,234                 | 17,444,005                   | 74,225,143                             | 3,508,495                 |

<sup>1</sup>Excluding farm operator residences.

Source: Economic Research Service, U.S. Department of Agriculture.

**Part II**  
**Costs of Production**  
**Major Field Crops, Livestock, and Dairy**

## Although Input Expenses Were Generally Rising in 1996, Strong Market Prices for Most Commodities Led to Higher Net Returns

Bob McElroy and Staff

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### Acreage and Prices Generally Up for 1996 Crops

Acres planted to major U.S. crops in 1996 were up an average 5.1 percent from 1995 and the highest in at least the past 10 years. Harvested acreage also rose (4.2 percent) and was also the highest in 10 years. Farmers planted 11.6 percent more corn, 9.4 percent more wheat, and 2.6 percent more soybeans. At the same time, acres planted to cotton, rice, sorghum, and sugar beets fell.

Despite production increases for many crops, prices were generally high in 1996. The overall prices received index for crops was up 12.5 percent for the year.

### Input Prices Also Up

The 1996 prices paid index for general inputs was up an average 5.5 percent. Of course, there was wide variation among individual inputs. Fertilizer prices rose only 3 percent, as did chemical prices. Fuel prices, however, jumped nearly 12 percent over the relatively steady prices of the previous 4 years.

How these input prices affected individual crops and livestock commodities depended on each enterprise's input mix. Feed prices were up an average 25 percent, which, with lackluster livestock prices, meant lower net returns to livestock producers. The same higher feed prices meant higher net returns to feed grain producers.

### Government Payments

For corn, barley, grain sorghum, rice, and cotton, ERS has been publishing costs and returns both including and excluding the costs of participation in government programs, along with the program payments received. A primary reason for including government program costs and returns in the crop production accounts has been their impact on producer planting decisions. Under Federal legislation prior to 1996, producers had to plant program crops in accordance with certain program provisions in order to qualify for payments. This meant that the planted acreage of a program crop was not only determined by expected market returns to the

crop, but also by returns associated with program participation. Consequently, some resources were committed to production of a program commodity due to returns associated with program participation, not expected market returns.

Provisions of the 1996 Farm Act eliminated the requirement that program crops be planted in order to qualify for program payments. Target prices and deficiency payments were replaced with fixed annual payments, while basic, Findley, and announced loan rates were replaced with marketing assistance loans. There are no longer mandatory acreage reduction or paid land diversion provisions and, therefore, no direct cost of program participation. The new legislation means that producers are free to make planting decisions in response to market forces, and resources are not held in the production of a program crop simply because of program provisions.

Because government payments are not directly associated with the production of any specific commodity, ERS did not develop cost and return data estimates that included government program effects for program crops for the 1996 calendar year.

### New Survey Data

New survey data for grain sorghum, peanuts, and burley tobacco are underlying the 1995 and 1996 estimates for those crops. In addition to the new data, the accounting framework and methodology for burley tobacco has been changed to reflect that of other field crops. Next year, two final commodities, flue-cured tobacco and cow-calf production, will be brought into methodological consistency with the other commodities for which cost-of-production estimates are made. New analyses are also available electronically for oats, sorghum, and peanuts. These short reports (titled *Farm Business Economic Indicators Updates*) provide preliminary analyses of the production systems used in growing these crops. The reports can be found on the ERS website at <http://www.econ.ag.gov/briefing/fbe> in the publications section.

## Unique Market Conditions Resulted in Record Returns

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Unique market conditions in 1996 led to record returns to corn production. The average corn yield improved to about 5 percent above the previous 5-year average. Despite higher yields, corn prices remained near \$3 per bushel at harvest. The combination of relatively high prices and yields pushed the value of corn at harvest to a record high of \$389 per acre. Average returns above cash costs, at \$166 per acre, were also the highest reported by USDA since tracking began in 1975. Residual returns to management and risk (\$22 per acre) were positive for the first time since 1980. Record returns to corn production in 1996, coupled with only a modest rise in costs, provided incentives for expanded acreage, but lower prices late in 1996 dampened expectations for 1997.

Returns to corn production in 1996 improved from 1995 in all major production regions as prices and yields were up across most of the Nation. Corn growers in the Southeast and Plains States benefited the most from better market conditions. The harvest price for corn in the Southeast was \$3.43 per bushel, up more than 50 cents from 1995, while cash costs per

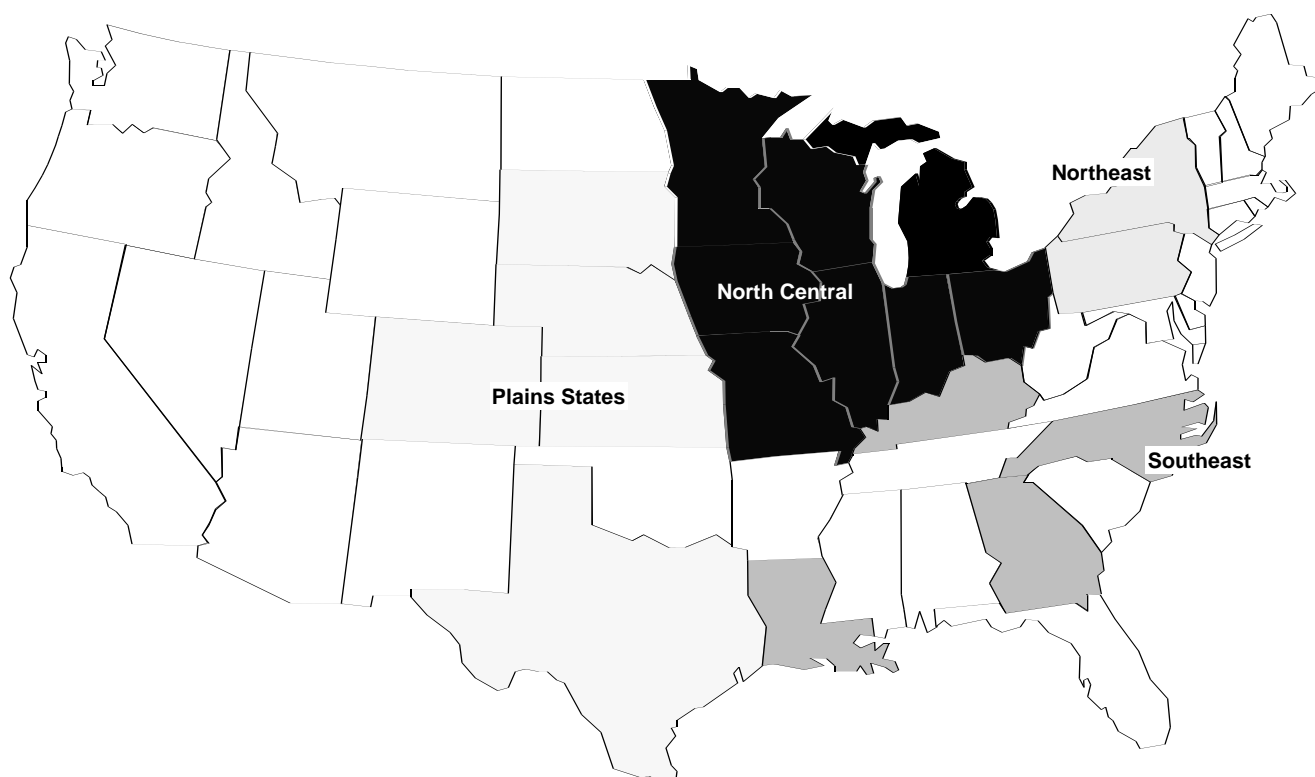
bushel changed little and economic costs were only 8 cents per bushel higher. The resulting cash returns of \$168 per acre and returns above economic costs of \$37 are record highs for the Southeast since 1975. In the Plains States, the average corn yield was up about 25 bushels per acre from 1995. Cash costs increased about \$16 per acre and economic costs were \$37 higher, but per bushel costs fell about 25 cents. Cash returns in the Plains States nearly doubled and residual returns moved above \$40, also a record high.

Stronger prices and yields also improved returns in the North Central region, where most corn is grown. With the harvest price up nearly 20 cents per bushel and yields up about 10 bushels, cash returns moved above \$160 per acre, a record high, and residual returns were \$16. Costs per acre moved 8-10 percent higher in the North Central region, but higher yields left per bushel costs mostly unchanged. Price and yield conditions were not as favorable in the Northeast, where greater yields led to lower prices. Still, cash and economic returns to corn production improved as the increased value of corn more than offset a modest cost increase.



Figure 8-1

**Corn production regions**



Notes: Shading and patterns indicate production regions where producers were surveyed in 1991 about production practices and costs of production. Production regions are defined for each crop based on common cultural practices.

**Table 8-1A—Corn production cash costs and returns, excluding direct government payments, 1995-96**

| Item  | United States |        | Northeast |        | Southeast |        | North Central |        | Plains States |        |
|---|---------------|--------|-----------|--------|-----------|--------|---------------|--------|---------------|--------|
|   | 1995          | 1996   | 1995      | 1996   | 1995      | 1996   | 1995          | 1996   | 1995          | 1996   |
| <i>Dollars per planted acre</i>                                   |               |        |           |        |           |        |               |        |               |        |
| Gross value of production (excluding direct government payments): |               |        |           |        |           |        |               |        |               |        |
| Corn  | 321.98        | 388.73 | 231.85    | 252.73 | 306.63    | 385.29 | 318.44        | 370.55 | 346.36        | 453.78 |
| Total, gross value of production                                  | 321.98        | 388.73 | 231.85    | 252.73 | 306.63    | 385.29 | 318.44        | 370.55 | 346.36        | 453.78 |
| Cash expenses:  |               |        |           |        |           |        |               |        |               |        |
| Seed  | 23.98         | 24.06  | 22.56     | 22.59  | 20.24     | 20.96  | 23.80         | 23.76  | 25.33         | 25.63  |
| Fertilizer, lime, and gypsum                                      | 55.85         | 56.13  | 48.36     | 49.28  | 64.60     | 66.52  | 54.82         | 55.97  | 58.31         | 55.45  |
| Chemicals   | 26.34         | 26.82  | 25.66     | 26.06  | 30.25     | 31.34  | 26.59         | 27.18  | 25.09         | 25.08  |
| Custom operations <sup>1</sup>                                    | 9.65          | 9.76   | 9.07      | 9.03   | 3.84      | 4.23   | 8.97          | 9.10   | 12.60         | 12.67  |
| Fuel, lube, and electricity                                       | 17.92         | 21.14  | 10.51     | 13.07  | 13.34     | 15.38  | 11.26         | 13.98  | 38.55         | 42.67  |
| Repairs   | 15.91         | 17.00  | 12.70     | 13.78  | 19.12     | 19.53  | 14.91         | 15.98  | 18.63         | 19.69  |
| Hired labor   | 8.03          | 8.37   | 13.00     | 13.46  | 17.87     | 18.11  | 6.47          | 6.77   | 10.09         | 10.23  |
| Other variable cash expenses <sup>2</sup>                         | 0.45          | 0.49   | 0.00      | 0.00   | 0.00      | 0.00   | 0.00          | 0.00   | 1.84          | 1.98   |
| Total, variable cash expenses                                     | 158.13        | 163.77 | 141.86    | 147.27 | 169.26    | 176.07 | 146.82        | 152.74 | 190.44        | 193.40 |
| General farm overhead   | 12.46         | 15.04  | 6.36      | 7.63   | 11.31     | 14.37  | 11.55         | 13.89  | 16.05         | 19.21  |
| Taxes and insurance   | 20.01         | 22.70  | 22.14     | 23.49  | 13.01     | 15.84  | 19.63         | 21.95  | 21.96         | 25.90  |
| Interest  | 16.73         | 21.14  | 2.88      | 3.65   | 9.02      | 10.55  | 15.26         | 19.27  | 24.09         | 30.42  |
| Total, fixed cash expenses  | 49.20         | 58.88  | 31.38     | 34.77  | 33.34     | 40.76  | 46.44         | 55.11  | 62.10         | 75.53  |
| Total, cash expenses  | 207.33        | 222.65 | 173.24    | 182.04 | 202.60    | 216.83 | 193.26        | 207.85 | 252.54        | 268.93 |
| Gross value of production less cash expenses                      | 114.65        | 166.08 | 58.61     | 70.69  | 104.03    | 168.46 | 125.18        | 162.70 | 93.82         | 184.85 |
| Harvest-period price (dollars/bu)                                 | 2.78          | 2.99   | 3.19      | 3.06   | 2.91      | 3.43   | 2.74          | 2.92   | 2.83          | 3.07   |
| Yield (bu/planted acre)   | 115.82        | 130.01 | 72.68     | 82.59  | 105.37    | 112.33 | 116.22        | 126.90 | 122.39        | 147.81 |

**Table 8-1B—Corn production economic costs and returns, excluding direct government payments, 1995-96**

| Item  | United States |        | Northeast |        | Southeast |        | North Central |        | Plains States |        |
|---|---------------|--------|-----------|--------|-----------|--------|---------------|--------|---------------|--------|
|   | 1995          | 1996   | 1995      | 1996   | 1995      | 1996   | 1995          | 1996   | 1995          | 1996   |
| <i>Dollars per planted acre</i>                                   |               |        |           |        |           |        |               |        |               |        |
| Gross value of production (excluding direct government payments): |               |        |           |        |           |        |               |        |               |        |
| Corn  | 321.98        | 388.73 | 231.85    | 252.73 | 306.63    | 385.29 | 318.44        | 370.55 | 346.36        | 453.78 |
| Total, gross value of production                                  | 321.98        | 388.73 | 231.85    | 252.73 | 306.63    | 385.29 | 318.44        | 370.55 | 346.36        | 453.78 |
| Economic (full ownership) costs:                                  |               |        |           |        |           |        |               |        |               |        |
| Variable cash expenses  | 158.13        | 163.77 | 141.86    | 147.27 | 169.26    | 176.07 | 146.82        | 152.74 | 190.44        | 193.40 |
| General farm overhead   | 12.46         | 15.04  | 6.36      | 7.63   | 11.31     | 14.37  | 11.55         | 13.89  | 16.05         | 19.21  |
| Taxes and insurance   | 20.01         | 22.70  | 22.14     | 23.49  | 13.01     | 15.84  | 19.63         | 21.95  | 21.96         | 25.90  |
| Capital replacement   | 32.71         | 34.95  | 19.16     | 20.76  | 29.79     | 31.07  | 27.74         | 29.82  | 49.12         | 51.40  |
| Operating capital   | 4.42          | 4.17   | 3.97      | 3.75   | 4.73      | 4.48   | 4.10          | 3.89   | 5.32          | 4.92   |
| Other nonland capital   | 13.18         | 13.35  | 10.58     | 10.85  | 11.73     | 11.72  | 11.59         | 11.82  | 18.28         | 18.11  |
| Land  | 67.28         | 85.48  | 25.84     | 25.88  | 59.03     | 74.06  | 75.26         | 92.55  | 51.82         | 76.03  |
| Unpaid labor  | 25.23         | 26.78  | 31.30     | 32.69  | 19.28     | 21.05  | 26.24         | 28.03  | 22.56         | 23.75  |
| Total, economic (full ownership) costs                            | 333.42        | 366.24 | 261.21    | 272.32 | 318.14    | 348.66 | 322.93        | 354.69 | 375.55        | 412.72 |
| Residual returns to management and risk                           | -11.44        | 22.49  | -29.36    | -19.59 | -11.51    | 36.63  | -4.49         | 15.86  | -29.19        | 41.06  |
| Harvest-period price (dollars/bu)                                 | 2.78          | 2.99   | 3.19      | 3.06   | 2.91      | 3.43   | 2.74          | 2.92   | 2.83          | 3.07   |
| Yield (bu/planted acre)   | 115.82        | 130.01 | 72.68     | 82.59  | 105.37    | 112.33 | 116.22        | 126.90 | 122.39        | 147.81 |

<sup>1</sup>Cost of custom operations, technical services, and commercial drying.<sup>2</sup>Cost of purchased irrigation water.

Source: Economic Research Service, U.S. Department of Agriculture.

## Prices and Yields Higher in 1996; Record Returns

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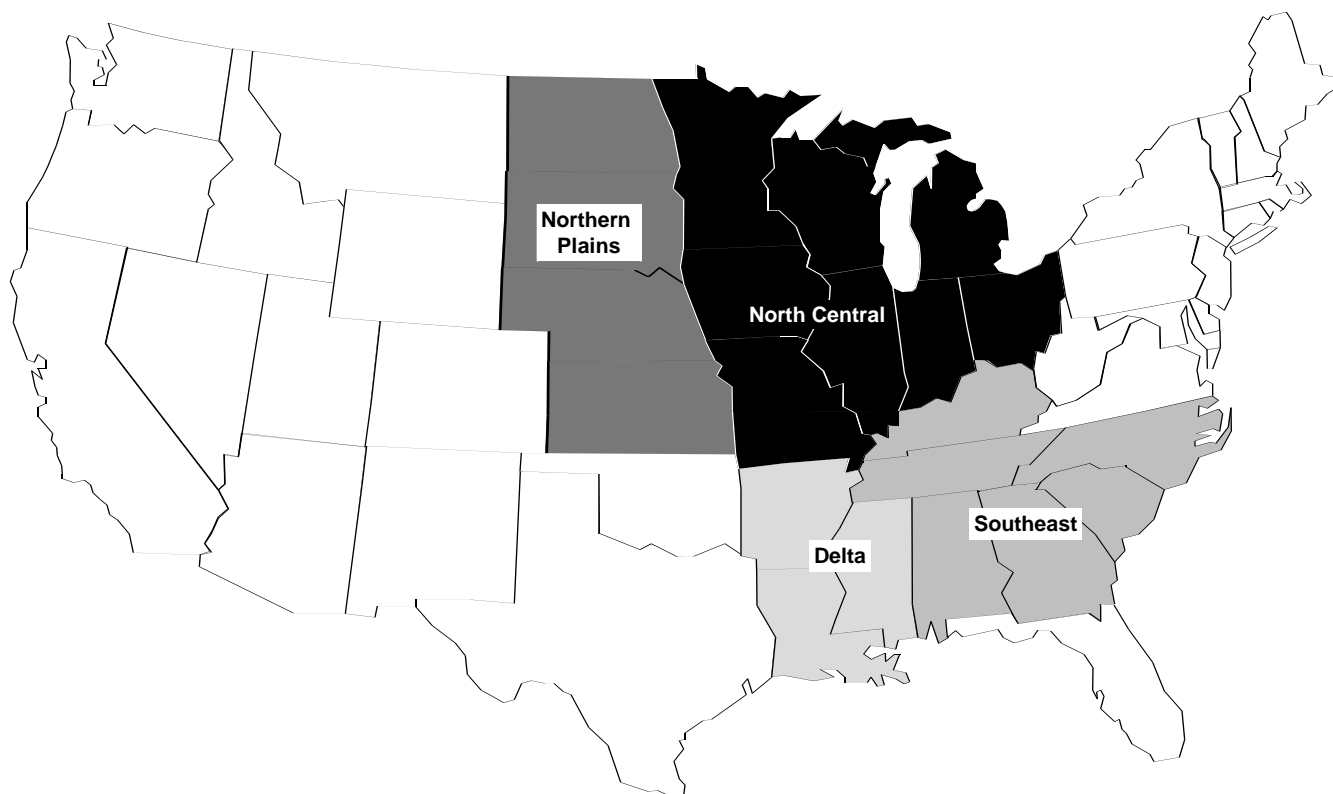
Both prices and yields of soybeans moved higher in 1996, producing record returns. Soybean prices rose above \$8 per bushel in 1996 and settled near \$7 at harvest, up about 10 percent from 1995. Yields were somewhat above the previous 5-year average. Higher prices and yields sent the value of soybeans at harvest above \$250 per acre, a record high. Likewise, average returns above cash costs, at \$130 per acre, were the highest reported since USDA began tracking in 1975. Residual returns to management and risk were the highest reported since 1979. While costs showed only a modest increase, the record returns to soybean production in 1996 suggested incentives for expanded 1997 acreage that were spurred by rising prices in early 1997.

Returns to soybean production improved across the Nation from 1995 to 1996 as a unique set of market conditions led to higher prices and yields in all major production regions. Cash and economic returns in southern production areas were the highest since 1988. Among growers in the Delta, cash returns improved more than 100 percent from 1995 to 1996 and residual returns moved more than \$50 per acre higher. The 1996 harvest price rose about 60 cents from 1995, while a 35-percent increase in yield was the major

force behind a \$1-per-bushel drop in costs. Improved conditions in the Southeast were somewhat less impressive as the harvest price was 40 cents higher and yields were up only about 2 bushels. However, both cash and economic costs in 1996 were down about 20 cents per bushel from 1995.

Stronger soybean prices also improved the 1996 outlook for soybean production in the northern regions, while 20-percent higher yields in the Northern Plains further brightened the situation. In the Northern Plains, the 1996 soybean harvest price was up about 75 cents a bushel from 1995 while production costs were down about 50 cents. The net result was a rise in cash returns of about \$1.25 per bushel and residual returns of nearly \$1.40 per bushel. Unlike in other regions, soybean production costs per bushel in the North Central region were up in 1996 as yields were only slightly higher than in 1995. Cash cost increases were spread evenly among most production items, while economic costs were up due mainly to higher land values. However, the 1996 soybean harvest price was nearly 70 cents higher than in 1995, more than offsetting any cost increases and resulting in the highest cash and economic returns to soybean production since the late 1970's.

Figure 8-2  
**Soybean production regions**



Notes: Shading and patterns indicate production regions where producers were surveyed in 1990 about production practices and costs of production. Production regions are defined for each crop based on common cultural practices.

**Table 8-2A—Soybean production cash costs and returns, 1995-96**

| Item  | United States |        | North Central |        | Northern Plains |        | Southeast |        | Delta  |        |
|---|---------------|--------|---------------|--------|-----------------|--------|-----------|--------|--------|--------|
|   | 1995          | 1996   | 1995          | 1996   | 1995            | 1996   | 1995      | 1996   | 1995   | 1996   |
| <i>Dollars per planted acre</i>                 |               |        |               |        |                 |        |           |        |        |        |
| Gross value of production:                      |               |        |               |        |                 |        |           |        |        |        |
| Soybeans  | 218.54        | 256.36 | 236.69        | 265.55 | 182.50          | 254.69 | 184.39    | 214.76 | 156.63 | 232.47 |
| Total, gross value of production                | 218.54        | 256.36 | 236.69        | 265.55 | 182.50          | 254.69 | 184.39    | 214.76 | 156.63 | 232.47 |
| Cash expenses:                                  |               |        |               |        |                 |        |           |        |        |        |
| Seed  | 13.32         | 15.01  | 14.37         | 16.11  | 11.84           | 13.43  | 11.09     | 12.19  | 9.12   | 11.43  |
| Fertilizer, lime, and gypsum                    | 9.76          | 10.45  | 9.19          | 9.72   | 3.32            | 3.66   | 24.96     | 26.85  | 6.14   | 6.33   |
| Chemicals                                       | 24.82         | 24.95  | 25.99         | 26.16  | 19.79           | 19.95  | 23.57     | 23.5   | 23.96  | 24.16  |
| Custom operations <sup>1</sup>                  | 3.65          | 3.65   | 4.04          | 4.04   | 2.44            | 2.41   | 2.29      | 2.38   | 3.81   | 3.88   |
| Fuel, lube, and electricity                     | 7.64          | 9.45   | 6.68          | 8.22   | 10.12           | 12.51  | 8.80      | 10.55  | 10.71  | 14.06  |
| Repairs   | 10.68         | 10.04  | 10.01         | 9.24   | 11.27           | 11.03  | 12.23     | 11.65  | 13.72  | 13.51  |
| Hired labor                                     | 6.01          | 6.40   | 4.63          | 5.02   | 5.45            | 5.66   | 11.59     | 11.76  | 12.20  | 13.00  |
| Other variable cash expenses <sup>2</sup>       | 0.05          | 0.05   | 0.03          | 0.03   | 0.22            | 0.22   | 0.00      | 0.00   | 0.00   | 0.00   |
| Total, variable cash expenses                   | 75.93         | 80.00  | 74.94         | 78.54  | 64.45           | 68.87  | 94.53     | 98.88  | 79.66  | 86.37  |
| General farm overhead                           | 11.58         | 11.44  | 12.69         | 12.59  | 9.72            | 9.51   | 8.12      | 7.96   | 8.97   | 8.83   |
| Taxes and insurance                             | 18.64         | 19.71  | 21.43         | 22.66  | 15.14           | 15.99  | 11.17     | 12.06  | 8.63   | 9.35   |
| Interest  | 15.02         | 15.65  | 17.01         | 17.79  | 13.66           | 14.23  | 7.06      | 7.30   | 9.41   | 9.80   |
| Total, fixed cash expenses                      | 45.24         | 46.80  | 51.13         | 53.04  | 38.52           | 39.73  | 26.35     | 27.32  | 27.01  | 27.98  |
| Total, cash expenses                            | 121.17        | 126.80 | 126.07        | 131.58 | 102.97          | 108.60 | 120.88    | 126.20 | 106.67 | 114.35 |
| Gross value of production<br>less cash expenses | 97.37         | 129.56 | 110.62        | 133.97 | 79.53           | 146.09 | 63.51     | 88.56  | 49.96  | 118.12 |
| Harvest-period price (dollars/bu)               | 6.26          | 6.91   | 6.25          | 6.91   | 5.96            | 6.72   | 6.52      | 6.95   | 6.62   | 7.26   |
| Yield (bu/planted acre)                         | 34.91         | 37.10  | 37.87         | 38.43  | 30.62           | 37.90  | 28.28     | 30.90  | 23.66  | 32.02  |

**Table 8-2B—Soybean production economic costs and returns, 1995-96**

| Item                                       | United States |        | North Central |        | Northern Plains |        | Southeast |        | Delta  |        |
|--|---------------|--------|---------------|--------|-----------------|--------|-----------|--------|--------|--------|
|  | 1995          | 1996   | 1995          | 1996   | 1995            | 1996   | 1995      | 1996   | 1995   | 1996   |
| <i>Dollars per planted acre</i>            |               |        |               |        |                 |        |           |        |        |        |
| Gross value of production:                 |               |        |               |        |                 |        |           |        |        |        |
| Soybeans                                   | 218.54        | 256.36 | 236.69        | 265.55 | 182.50          | 254.69 | 184.39    | 214.76 | 156.63 | 232.47 |
| Total, gross value of production           | 218.54        | 256.36 | 236.69        | 265.55 | 182.50          | 254.69 | 184.39    | 214.76 | 156.63 | 232.47 |
| Economic (full ownership) costs:           |               |        |               |        |                 |        |           |        |        |        |
| Variable cash expenses                     | 75.93         | 80.00  | 74.94         | 78.54  | 64.45           | 68.87  | 94.53     | 98.88  | 79.66  | 86.37  |
| General farm overhead                      | 11.58         | 11.44  | 12.69         | 12.59  | 9.72            | 9.51   | 8.12      | 7.96   | 8.97   | 8.83   |
| Taxes and insurance                        | 18.64         | 19.71  | 21.43         | 22.66  | 15.14           | 15.99  | 11.17     | 12.06  | 8.63   | 9.35   |
| Capital replacement                        | 23.25         | 21.88  | 21.50         | 19.84  | 29.49           | 28.77  | 23.39     | 22.26  | 28.77  | 28.39  |
| Operating capital                          | 2.12          | 2.04   | 2.10          | 2.00   | 1.80            | 1.75   | 2.64      | 2.51   | 2.23   | 2.20   |
| Other nonland capital                      | 13.62         | 12.13  | 13.45         | 11.78  | 14.91           | 13.79  | 12.51     | 11.42  | 14.45  | 13.53  |
| Land                                       | 55.30         | 65.63  | 62.29         | 71.53  | 48.39           | 69.28  | 31.38     | 37.10  | 33.92  | 44.29  |
| Unpaid labor                               | 19.35         | 20.94  | 20.37         | 22.25  | 20.73           | 21.70  | 15.75     | 16.63  | 12.56  | 13.60  |
| Total, economic<br>(full ownership) costs  | 219.79        | 233.77 | 228.77        | 241.19 | 204.63          | 229.66 | 199.49    | 208.82 | 189.19 | 206.56 |
| Residual returns to<br>management and risk | -1.25         | 22.59  | 7.92          | 24.36  | -22.13          | 25.03  | -15.10    | 5.94   | -32.56 | 25.91  |
| Harvest-period price (dollars/bu)          | 6.26          | 6.91   | 6.25          | 6.91   | 5.96            | 6.72   | 6.52      | 6.95   | 6.62   | 7.26   |
| Yield (bu/planted acre)                    | 34.91         | 37.10  | 37.87         | 38.43  | 30.62           | 37.90  | 28.28     | 30.90  | 23.66  | 32.02  |

<sup>1</sup>Cost of custom operations and technical services.<sup>2</sup>Cost of purchased irrigation water.

Source: Economic Research Service, U.S. Department of Agriculture.

## Returns for 1996 Difficult To Interpret Due to Regional Yield Differences

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For 1996, U.S. farmers planted wheat on 75.6 million acres and produced 2,285 million bushels, up 4.7 percent from 1995. However, harvested area and production of winter wheat dropped because of a harsh winter over major growing areas and drought conditions, especially in the Central States and Southwest. The area and production of spring wheat, including durum, increased because of mostly good to fair growing conditions until summer followed by dry weather at harvest time.

Nationally, wheat yields averaged 30.4 bushels per planted acre, down about 5 percent from 1995. Regionally, wheat yields declined 15 percent in the Central and Southern Plains and 25 percent in the North Central region. Yields were up some 6-17 percent in other regions.

Total cash costs of producing wheat rose 2.3 percent in 1996, while economic costs rose 6.2 percent. On a per bushel basis, total economic costs rose to \$5.94, up 11.6 percent from 1995, primarily due to the rise in production costs and low yields.

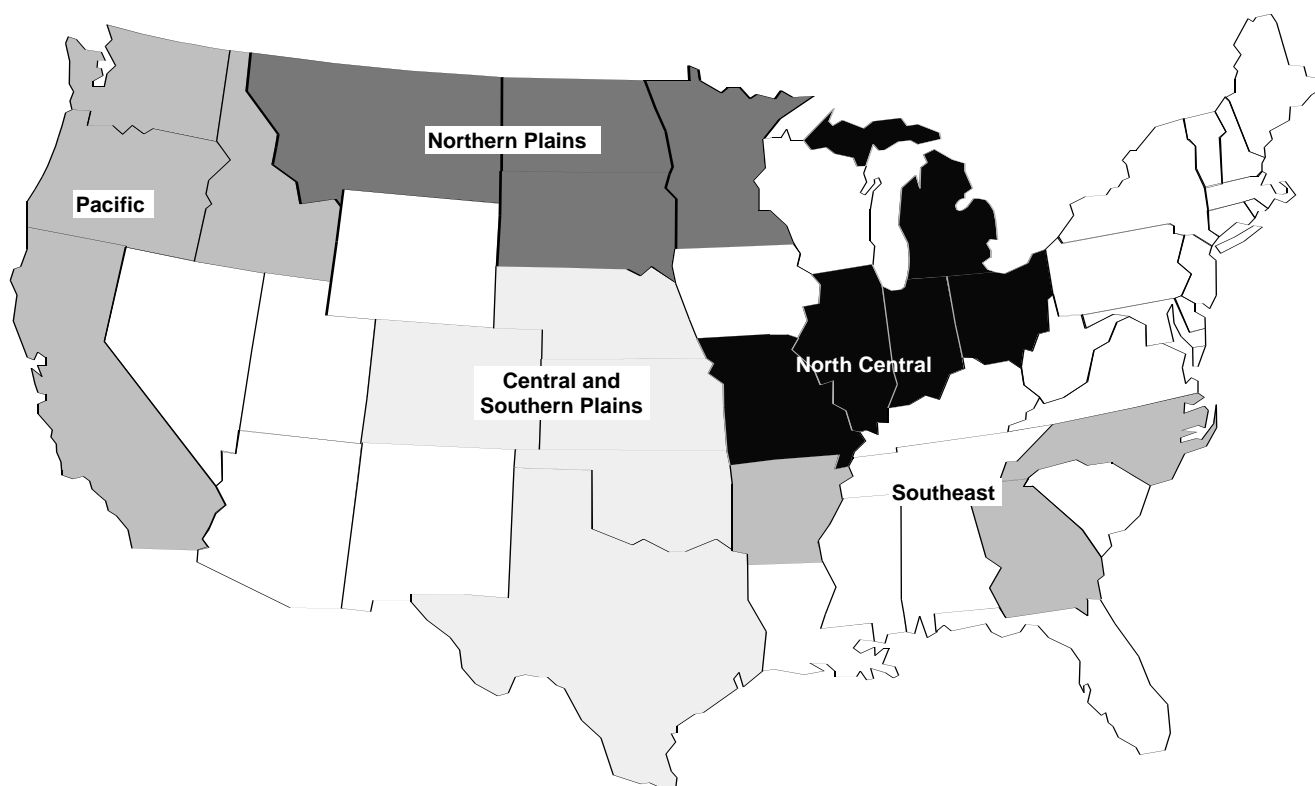
At the regional level, per acre cash costs rose from very little in the Central and Southern Plains to 6.5 percent in the Pacific region. Most of the cost increase was due to a rise in fertilizer and fuel prices and

higher wage rates. The Pacific region had the highest increase in per acre cash costs, primarily due to an intensive use of inputs on irrigated land. However, on a per bushel basis, cash costs increased in the North Central region and in the Central and Southern Plains, while they declined in other wheat-producing regions.

Total economic costs per bushel ranged from \$3.61 in the Southeast to \$7.60 in the Central and Southern Plains. Per bushel costs declined only in the Southeast, primarily due to a good wheat crop. The North Central region had the highest increase in per bushel economic costs, followed by the Central and Southern Plains.

Wheat returns over cash expenses are difficult to interpret due to regional yield differences. National average yields fell slightly, and net cash returns rose to \$50 an acre, up \$20 from 1995 due to offsetting higher wheat prices. Wheat farmers with a cost structure near the national average would have benefited from the rising returns. On the other hand, those farmers whose wheat crop was damaged and who had yields substantially below the national average would not have seen such high returns. Gross value of wheat production at harvest time covered cash costs plus capital replacement in every region. Total economic costs were covered only in the Southeast region.

Figure 8-3  
**Wheat production regions**



Notes: Shading and patterns indicate production regions where producers were surveyed in 1994 about production practices and costs of production. Production regions are defined for each crop based on common cultural practices.

**Table 8-3A—Wheat production cash costs and returns, excluding direct government payments, 1995-96**

| Item  | United States |        | North Central |        | Southeast |        | Northern Plains |        | Central and Southern Plains |        | Pacific |        |
|---|---------------|--------|---------------|--------|-----------|--------|-----------------|--------|-----------------------------|--------|---------|--------|
|   | 1995          | 1996   | 1995          | 1996   | 1995      | 1996   | 1995            | 1996   | 1995                        | 1996   | 1995    | 1996   |
| <i>Dollars per planted acre</i>                                   |               |        |               |        |           |        |                 |        |                             |        |         |        |
| Gross value of production (excluding direct government payments): |               |        |               |        |           |        |                 |        |                             |        |         |        |
| Wheat   | 130.23        | 146.94 | 206.39        | 141.90 | 146.99    | 219.66 | 120.59          | 143.56 | 95.56                       | 105.09 | 254.75  | 332.18 |
| Wheat straw   | 4.44          | 5.35   | 23.96         | 33.59  | 5.20      | 4.55   | 0.51            | 0.60   | 4.44                        | 4.43   | 1.80    | 2.08   |
| Total, gross value of production                                  | 134.67        | 152.29 | 230.35        | 175.49 | 152.19    | 224.21 | 121.10          | 144.16 | 100.00                      | 109.52 | 256.55  | 334.26 |
| Cash expenses:  |               |        |               |        |           |        |                 |        |                             |        |         |        |
| Seed  | 7.57          | 9.26   | 14.09         | 16.59  | 13.20     | 14.71  | 7.44            | 8.93   | 5.30                        | 6.79   | 10.06   | 11.94  |
| Fertilizer, lime, and gypsum                                      | 20.89         | 21.11  | 43.66         | 45.32  | 36.91     | 38.21  | 15.34           | 15.63  | 17.37                       | 16.72  | 32.88   | 34.74  |
| Chemicals   | 5.86          | 6.23   | 0.90          | 0.94   | 6.93      | 7.42   | 7.98            | 8.27   | 2.90                        | 3.06   | 15.10   | 16.00  |
| Custom operations   | 5.96          | 5.35   | 4.75          | 4.04   | 6.91      | 7.35   | 2.59            | 2.72   | 9.08                        | 7.79   | 7.06    | 7.90   |
| Fuel, lube, and electricity                                       | 8.47          | 9.71   | 5.28          | 5.77   | 5.20      | 6.51   | 5.99            | 7.12   | 9.44                        | 10.95  | 19.45   | 22.34  |
| Repairs   | 12.20         | 13.26  | 9.13          | 9.45   | 9.54      | 11.57  | 12.51           | 14.09  | 11.53                       | 12.03  | 18.12   | 19.60  |
| Hired labor   | 4.01          | 4.69   | 1.93          | 2.06   | 7.21      | 7.92   | 2.30            | 2.39   | 4.15                        | 5.18   | 11.76   | 15.35  |
| Other variable cash expenses <sup>1</sup>                         | 0.38          | 0.40   | 0.74          | 0.78   | 0.31      | 0.28   | 0.03            | 0.03   | 0.06                        | 0.07   | 3.07    | 3.38   |
| Total, variable cash expenses                                     | 65.34         | 70.01  | 80.48         | 84.95  | 86.21     | 93.97  | 54.18           | 59.18  | 59.83                       | 62.59  | 117.50  | 131.25 |
| General farm overhead   | 7.00          | 5.80   | 10.34         | 8.64   | 5.13      | 4.31   | 5.45            | 4.54   | 6.74                        | 5.60   | 12.45   | 10.37  |
| Taxes and insurance   | 10.08         | 10.02  | 15.29         | 15.38  | 12.04     | 11.68  | 8.83            | 8.67   | 8.46                        | 8.36   | 17.23   | 17.68  |
| Interest  | 10.94         | 9.63   | 10.47         | 9.22   | 5.97      | 5.29   | 10.68           | 9.39   | 10.85                       | 9.54   | 14.93   | 13.31  |
| Total, fixed cash expenses  | 28.02         | 25.45  | 36.10         | 33.24  | 23.14     | 21.28  | 24.96           | 22.60  | 26.05                       | 23.50  | 44.61   | 41.36  |
| Total, cash expenses  | 93.36         | 95.46  | 116.58        | 118.19 | 109.35    | 115.25 | 79.14           | 81.78  | 85.88                       | 86.09  | 162.11  | 172.61 |
| Gross value of production less cash expenses                      | 41.31         | 56.83  | 113.77        | 57.30  | 42.84     | 108.96 | 41.96           | 62.38  | 14.12                       | 23.43  | 94.44   | 161.65 |
| Harvest-period price (dollars/bu)                                 | 4.08          | 4.84   | 3.78          | 4.16   | 3.44      | 4.41   | 4.31            | 4.86   | 4.02                        | 5.21   | 4.19    | 4.81   |
| Yield (bu/planted acre)   | 31.92         | 30.36  | 54.60         | 34.11  | 42.73     | 49.81  | 27.98           | 29.54  | 23.77                       | 20.17  | 60.80   | 69.06  |

**Table 8-3B—Wheat production economic costs and returns, excluding direct government payments, 1995-96**

| Item  | United States |        | North Central |        | Southeast |        | Northern Plains |        | Central and Southern Plains |        | Pacific |        |
|---|---------------|--------|---------------|--------|-----------|--------|-----------------|--------|-----------------------------|--------|---------|--------|
|   | 1995          | 1996   | 1995          | 1996   | 1995      | 1996   | 1995            | 1996   | 1995                        | 1996   | 1995    | 1996   |
| <i>Dollars per planted acre</i>                                   |               |        |               |        |           |        |                 |        |                             |        |         |        |
| Gross value of production (excluding direct government payments): |               |        |               |        |           |        |                 |        |                             |        |         |        |
| Wheat   | 130.23        | 146.94 | 206.39        | 141.90 | 146.99    | 219.66 | 120.59          | 143.56 | 95.56                       | 105.09 | 254.75  | 332.18 |
| Wheat straw   | 4.44          | 5.35   | 23.96         | 33.59  | 5.20      | 4.55   | 0.51            | 0.60   | 4.44                        | 4.43   | 1.80    | 2.08   |
| Total, gross value of production                                  | 134.67        | 152.29 | 230.35        | 175.49 | 152.19    | 224.21 | 121.10          | 144.16 | 100.00                      | 109.52 | 256.55  | 334.26 |
| Economic (full ownership) costs:                                  |               |        |               |        |           |        |                 |        |                             |        |         |        |
| Variable cash expenses  | 65.34         | 70.01  | 80.48         | 84.95  | 86.21     | 93.97  | 54.18           | 59.18  | 59.83                       | 62.59  | 117.50  | 131.25 |
| General farm overhead   | 7.00          | 5.80   | 10.34         | 8.64   | 5.13      | 4.31   | 5.45            | 4.54   | 6.74                        | 5.60   | 12.45   | 10.37  |
| Taxes and insurance   | 10.08         | 10.02  | 15.29         | 15.38  | 12.04     | 11.68  | 8.83            | 8.67   | 8.46                        | 8.36   | 17.23   | 17.68  |
| Capital replacement   | 22.81         | 24.95  | 20.27         | 21.00  | 18.64     | 22.78  | 24.24           | 27.29  | 19.77                       | 20.65  | 35.08   | 38.21  |
| Operating capital   | 1.83          | 1.78   | 2.25          | 2.16   | 2.41      | 2.39   | 1.51            | 1.51   | 1.67                        | 1.59   | 3.28    | 3.34   |
| Other nonland capital   | 11.95         | 12.16  | 11.40         | 11.30  | 10.25     | 11.93  | 13.51           | 14.49  | 10.18                       | 9.60   | 14.58   | 13.40  |
| Land  | 42.51         | 46.40  | 50.62         | 44.38  | 20.00     | 25.90  | 43.02           | 46.35  | 32.29                       | 34.36  | 89.16   | 111.33 |
| Unpaid labor  | 8.51          | 9.36   | 8.81          | 9.38   | 6.41      | 6.75   | 5.92            | 6.34   | 9.90                        | 10.66  | 13.91   | 19.20  |
| Total, economic (full ownership) costs                            | 170.03        | 180.48 | 199.46        | 197.19 | 161.09    | 179.71 | 156.66          | 168.37 | 148.84                      | 153.41 | 303.19  | 344.78 |
| Residual returns to management and risk                           | -35.36        | -28.19 | 30.89         | -21.70 | -8.90     | 44.50  | -35.56          | -24.21 | -48.84                      | -43.89 | -46.64  | -10.52 |
| Harvest-period price (dollars/bu)                                 | 4.08          | 4.84   | 3.78          | 4.16   | 3.44      | 4.41   | 4.31            | 4.86   | 4.02                        | 5.21   | 4.19    | 4.81   |
| Yield (bu/planted acre)   | 31.92         | 30.36  | 54.60         | 34.11  | 42.73     | 49.81  | 27.98           | 29.54  | 23.77                       | 20.17  | 60.80   | 69.06  |

<sup>1</sup>Cost of purchased irrigation water and baling.

Source: Economic Research Service, U.S. Department of Agriculture.



## Variable Cash Expenses Remained Relatively Unchanged in 1996

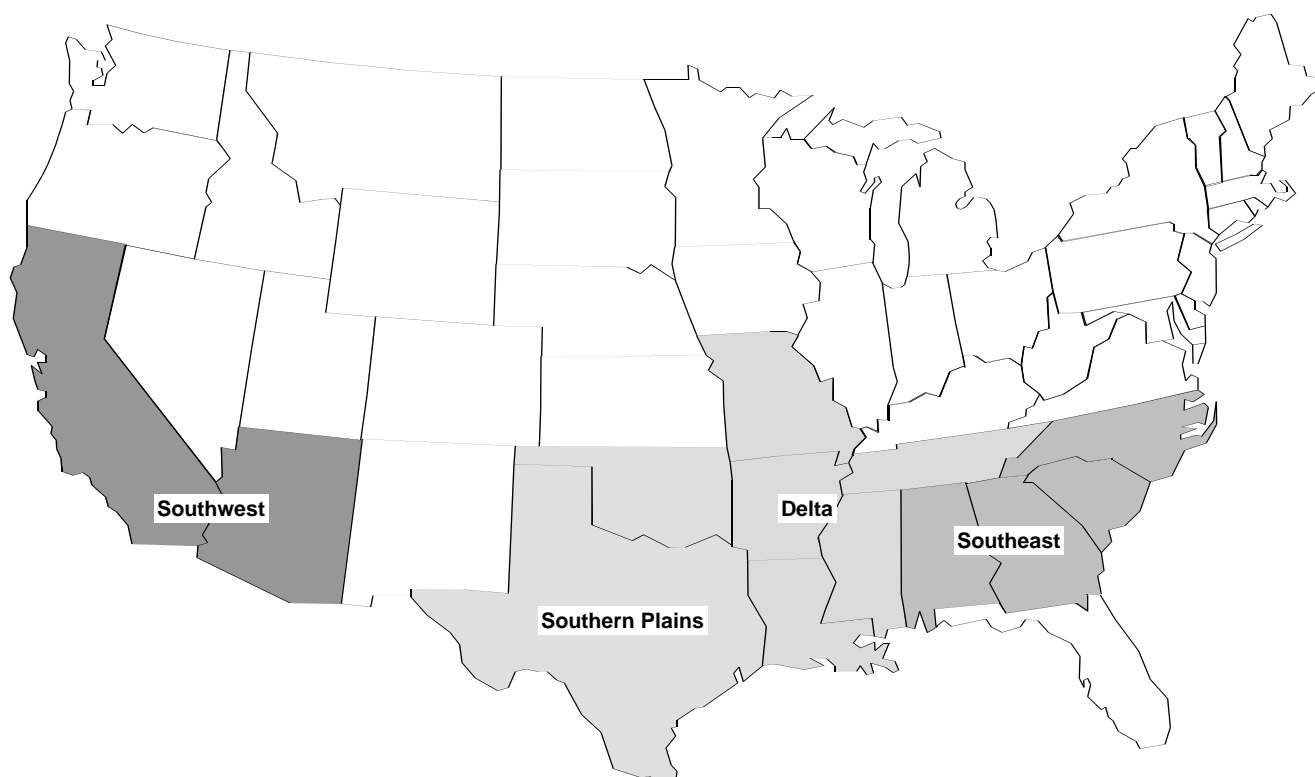
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Upland cotton planted acreage totaled 14.4 million acres, down 14 percent from 1995, and harvested acreage, at 12.6 million acres, was 20 percent less than 1995. Cotton lint production for 1996 was about 5 percent above 1995. In addition, continued strong worldwide demand for cotton has resulted in continued higher market prices. The Southern Plains continued to have weather-related problems at critical times during the production period, which resulted in the abandonment of about 30 percent of the planted acreage and a 2-percent reduction in production from 1995. Although the acreage planted to cotton was 14 percent lower in the Southeast in 1996 than in the previous year, cotton

production was up by 21 percent (compared with a 2-percent increase in the Delta, a 2-percent decrease in the Southern Plains, and a 3-percent increase in the Southwest).

Total variable cash expenses for the United States remained relatively unchanged from 1995 to 1996 on a per acre basis. Overall, the prices that cotton producers paid for their purchased inputs were relatively stable from 1995 to 1996. Regional land costs, which were influenced by the higher value of cotton, were slightly higher.

Figure 8-4  
**Cotton production regions**



Notes: Shading and patterns indicate production regions where producers were surveyed in 1991 about production practices and costs of production. Production regions are defined for each crop based on common cultural practices.

**Table 8-4A—Cotton production cash costs and returns, excluding direct government payments, 1995-96**

| Item  | United States |        | Southeast |        | Delta  |        | Southern Plains |        | Southwest |         |
|---|---------------|--------|-----------|--------|--------|--------|-----------------|--------|-----------|---------|
|   | 1995          | 1996   | 1995      | 1996   | 1995   | 1996   | 1995            | 1996   | 1995      | 1996    |
| <i>Dollars per planted acre</i>                                   |               |        |           |        |        |        |                 |        |           |         |
| Gross value of production excluding (direct government payments): |               |        |           |        |        |        |                 |        |           |         |
| Cotton  | 339.85        | 383.84 | 406.13    | 536.61 | 467.18 | 566.19 | 192.40          | 189.19 | 589.34    | 634.70  |
| Cotton seed   | 48.94         | 70.73  | 57.98     | 93.97  | 61.12  | 72.40  | 26.36           | 38.99  | 109.19    | 151.51  |
| Total, gross value of production                                  | 388.79        | 454.57 | 464.11    | 630.58 | 528.30 | 638.59 | 218.76          | 228.18 | 698.53    | 786.21  |
| Cash expenses:  |               |        |           |        |        |        |                 |        |           |         |
| Seed  | 15.67         | 16.75  | 9.99      | 10.14  | 9.64   | 9.36   | 19.44           | 23.83  | 15.20     | 15.99   |
| Fertilizer  | 44.89         | 46.53  | 52.71     | 56.61  | 56.19  | 57.44  | 29.58           | 29.34  | 75.44     | 81.67   |
| Chemicals   | 50.43         | 50.98  | 82.44     | 82.36  | 85.08  | 88.03  | 21.04           | 20.76  | 54.56     | 57.71   |
| Custom operations   | 21.69         | 20.92  | 17.37     | 16.98  | 25.18  | 24.78  | 9.80            | 9.44   | 74.26     | 69.83   |
| Fuel, lube, and electricity                                       | 38.31         | 35.67  | 27.38     | 24.76  | 32.33  | 30.17  | 41.74           | 39.33  | 52.00     | 48.98   |
| Repairs   | 28.59         | 29.18  | 34.95     | 35.68  | 42.38  | 43.25  | 34.95           | 35.68  | 40.80     | 41.64   |
| Hired labor   | 39.91         | 41.86  | 22.58     | 23.75  | 46.91  | 50.75  | 22.92           | 23.69  | 121.54    | 124.45  |
| Ginning   | 53.13         | 50.84  | 60.49     | 57.88  | 66.23  | 63.37  | 33.11           | 31.68  | 103.03    | 98.59   |
| Other variable cash expenses                                      | 5.79          | 6.05   | 0.00      | 0.00   | 0.01   | 0.01   | 0.27            | 0.29   | 51.96     | 54.34   |
| Total, variable cash expenses                                     | 298.41        | 298.78 | 307.91    | 308.16 | 363.95 | 367.16 | 212.85          | 214.04 | 588.79    | 593.20  |
| General farm overhead   | 18.20         | 16.52  | 14.10     | 12.80  | 18.82  | 17.08  | 15.59           | 14.15  | 34.36     | 31.18   |
| Taxes and insurance   | 23.33         | 23.31  | 19.15     | 19.08  | 22.67  | 22.50  | 18.91           | 18.92  | 49.77     | 49.39   |
| Interest  | 20.48         | 19.60  | 24.37     | 23.32  | 27.03  | 25.87  | 10.85           | 10.38  | 43.37     | 41.51   |
| Total, fixed cash expenses  | 62.01         | 59.43  | 57.62     | 55.20  | 68.52  | 65.45  | 45.35           | 43.45  | 127.50    | 122.08  |
| Total, cash expenses  | 360.42        | 358.21 | 365.53    | 363.36 | 432.47 | 432.61 | 258.20          | 257.49 | 716.29    | 715.28  |
| Gross value of production less cash expenses                      | 28.37         | 96.36  | 98.58     | 267.22 | 95.83  | 205.98 | -39.44          | -29.31 | -17.76    | 70.93   |
| Harvest-period price (dollars/lb)                                 | 0.70          | 0.65   | 0.75      | 0.75   | 0.75   | 0.72   | 0.67            | 0.60   | 0.70      | 0.63    |
| Yield (lb/planted acre)   | 485.50        | 590.53 | 541.51    | 715.48 | 622.90 | 786.38 | 287.16          | 315.31 | 841.92    | 1007.46 |

**Table 8-4B—Cotton production economic costs and returns, excluding direct government payments, 1995-96**

| Item  | United States |        | Southeast |        | Delta  |        | Southern Plains |         | Southwest |         |
|---|---------------|--------|-----------|--------|--------|--------|-----------------|---------|-----------|---------|
|   | 1995          | 1996   | 1995      | 1996   | 1995   | 1996   | 1995            | 1996    | 1995      | 1996    |
| <i>Dollars per planted acre</i>                                   |               |        |           |        |        |        |                 |         |           |         |
| Gross value of production (excluding direct government payments): |               |        |           |        |        |        |                 |         |           |         |
| Cotton  | 339.85        | 383.84 | 406.13    | 536.61 | 467.18 | 566.19 | 192.40          | 189.19  | 589.34    | 634.70  |
| Cotton seed   | 48.94         | 70.73  | 57.98     | 93.97  | 61.12  | 72.40  | 26.36           | 38.99   | 109.19    | 151.51  |
| Total, gross value of production                                  | 388.79        | 454.57 | 464.11    | 630.58 | 528.30 | 638.59 | 218.76          | 228.18  | 698.53    | 786.21  |
| Economic (full ownership) costs:                                  |               |        |           |        |        |        |                 |         |           |         |
| Variable cash expenses  | 298.41        | 298.78 | 307.91    | 308.16 | 363.95 | 367.16 | 212.85          | 214.04  | 588.79    | 593.20  |
| General farm overhead   | 18.20         | 16.52  | 14.10     | 12.80  | 18.82  | 17.08  | 15.59           | 14.15   | 34.36     | 31.18   |
| Taxes and insurance   | 23.33         | 23.31  | 19.15     | 19.08  | 22.67  | 22.50  | 18.91           | 18.92   | 49.77     | 49.39   |
| Capital replacement   | 54.79         | 55.93  | 66.33     | 67.70  | 77.87  | 79.48  | 33.39           | 32.19   | 82.13     | 83.83   |
| Operating capital   | 8.34          | 7.60   | 8.61      | 7.84   | 10.17  | 8.51   | 5.95            | 5.45    | 16.46     | 15.10   |
| Other nonland capital   | 19.66         | 20.06  | 22.50     | 22.96  | 23.28  | 23.76  | 14.62           | 14.93   | 30.03     | 30.65   |
| Land  | 45.61         | 47.80  | 34.17     | 36.02  | 77.33  | 81.02  | 26.16           | 27.33   | 76.85     | 81.04   |
| Unpaid labor  | 33.73         | 30.58  | 22.94     | 24.13  | 21.88  | 23.67  | 28.57           | 29.53   | 47.63     | 48.77   |
| Total, economic (full ownership) costs                            | 502.07        | 500.58 | 495.71    | 498.69 | 615.97 | 623.18 | 356.04          | 356.54  | 926.02    | 933.16  |
| Residual returns to management and risk                           | -113.28       | -46.01 | -31.60    | 131.89 | -87.68 | 15.41  | -137.28         | -128.36 | -227.49   | -146.95 |
| Harvest-period price (dollars/lb)                                 | 0.70          | 0.65   | 0.75      | 0.75   | 0.75   | 0.72   | 0.67            | 0.60    | 0.70      | 0.63    |
| Yield (lb/planted acre)   | 485.50        | 590.53 | 541.51    | 715.48 | 622.90 | 786.38 | 287.16          | 315.31  | 841.92    | 1007.46 |

Source: Economic Research Service, U.S. Department of Agriculture.

## **Tight Stocks Boosted Prices, Improved Net Returns**

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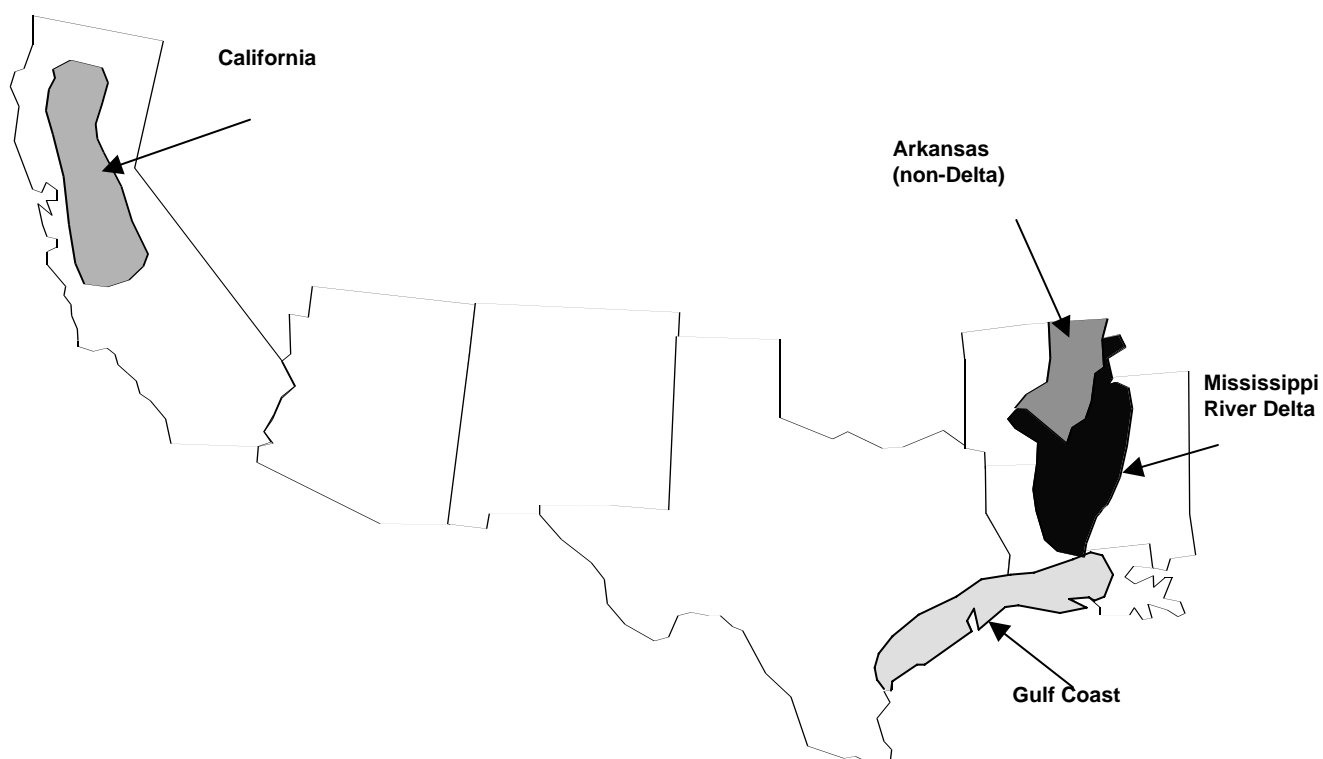
Rice plantings were down in 1996, but yields were record or near-record across the southern producing States. California yields were down slightly due to disease, weed, and weather problems. Steady production and lower beginning stocks kept supplies from growing. Continued tight stocks, especially for high-quality long-grain rice, helped to boost prices and improve net returns. Increased returns substantially exceeded increased costs in most areas. Costs were up mainly due to higher seed, fertilizer, and fuel prices.

Two regions (Arkansas non-Delta and Mississippi River Delta) of the four rice-growing areas had positive residual returns to management and risk in 1996.

These two regions had the least negative residual returns in 1995.

Harvest-month prices improved the greatest in the Gulf Coast region, helping that region to show the most improvement in residual returns from 1995 to 1996. In 1995, the Gulf Coast region (first region to harvest rice) had already sold most of its crop before prices escalated dramatically when Japan unexpectedly started buying rice on the world market. A decline in the medium grain (type preferred by Japan) price premium in 1996 had the most impact in California, where most of the U.S. medium-grain rice is grown.

Figure 8-5  
**Rice production regions**



Notes: Shading and patterns indicate production regions where producers were surveyed in 1992 about production practices and costs of production. Production regions are defined for each crop based on common cultural practices.

**Table 8-5A—Rice production cash costs and returns, excluding direct government payments, 1995-96**

| Item  | United States |        | Arkansas<br>(non-Delta) |        | Mississippi<br>River Delta |        | Gulf Coast <sup>1</sup> |        | California |        |
|---|---------------|--------|-------------------------|--------|----------------------------|--------|-------------------------|--------|------------|--------|
|   | 1995          | 1996   | 1995                    | 1996   | 1995                       | 1996   | 1995                    | 1996   | 1995       | 1996   |
| <i>Dollars per planted acre</i>                                   |               |        |                         |        |                            |        |                         |        |            |        |
| Gross value of production (excluding direct government payments): |               |        |                         |        |                            |        |                         |        |            |        |
| Rice  | 488.66        | 592.70 | 502.15                  | 630.01 | 472.69                     | 588.32 | 413.13                  | 543.08 | 680.60     | 744.96 |
| Total, gross value of production                                  | 488.66        | 592.70 | 502.15                  | 630.01 | 472.69                     | 588.32 | 413.13                  | 543.08 | 680.60     | 744.96 |
| Cash expenses:  |               |        |                         |        |                            |        |                         |        |            |        |
| Seed  | 19.23         | 22.38  | 17.08                   | 20.67  | 18.46                      | 20.36  | 19.71                   | 22.92  | 23.44      | 27.27  |
| Fertilizer  | 54.96         | 56.10  | 50.26                   | 52.09  | 51.70                      | 50.14  | 58.25                   | 58.43  | 62.94      | 67.61  |
| Chemicals   | 65.11         | 67.86  | 62.12                   | 64.74  | 63.61                      | 66.30  | 59.91                   | 62.44  | 79.82      | 83.20  |
| Custom operations <sup>2</sup>                                    | 45.15         | 45.57  | 34.48                   | 34.45  | 34.43                      | 34.21  | 40.35                   | 40.59  | 84.92      | 87.16  |
| Fuel, lube, and electricity                                       | 57.42         | 73.03  | 56.35                   | 77.04  | 60.26                      | 77.36  | 55.05                   | 69.03  | 59.18      | 65.96  |
| Repairs   | 28.51         | 28.69  | 28.01                   | 27.91  | 25.84                      | 25.54  | 27.64                   | 27.77  | 34.01      | 35.37  |
| Hired labor   | 32.52         | 35.81  | 29.32                   | 32.29  | 28.62                      | 31.52  | 34.06                   | 37.50  | 41.07      | 45.23  |
| Drying <sup>3</sup>   | 28.37         | 30.14  | 24.19                   | 27.27  | 11.53                      | 12.76  | 27.40                   | 29.80  | 58.49      | 57.65  |
| Other variable cash expenses <sup>4</sup>                         | 11.40         | 12.03  | 1.06                    | 1.12   | 0.01                       | 0.01   | 20.20                   | 21.31  | 32.05      | 33.82  |
| Total, variable cash expenses                                     | 342.67        | 371.61 | 302.87                  | 337.58 | 294.46                     | 318.20 | 342.57                  | 369.79 | 475.92     | 503.27 |
| General farm overhead   | 29.91         | 28.00  | 18.04                   | 16.89  | 16.50                      | 15.44  | 22.65                   | 21.20  | 78.69      | 73.66  |
| Taxes and insurance   | 29.30         | 31.88  | 23.36                   | 25.53  | 19.91                      | 21.56  | 25.78                   | 28.20  | 56.91      | 61.63  |
| Interest  | 26.77         | 26.42  | 26.33                   | 25.98  | 23.04                      | 22.73  | 24.04                   | 23.72  | 36.16      | 35.69  |
| Total, fixed cash expenses  | 85.98         | 86.30  | 67.73                   | 68.40  | 59.45                      | 59.73  | 72.47                   | 73.12  | 171.76     | 170.98 |
| Total, cash expenses  | 428.65        | 457.91 | 370.60                  | 405.98 | 353.91                     | 377.93 | 415.04                  | 442.91 | 647.68     | 674.25 |
| Gross value of production less cash expenses                      | 60.01         | 134.79 | 131.55                  | 224.03 | 118.78                     | 210.39 | -1.91                   | 100.17 | 32.92      | 70.71  |
| Harvest-period price (dollars/cwt)                                | 8.77          | 9.75   | 8.85                    | 9.85   | 8.67                       | 9.75   | 8.05                    | 9.75   | 8.87       | 9.85   |
| Yield (cwt/planted acre)  | 55.72         | 60.79  | 56.74                   | 63.96  | 54.52                      | 60.34  | 51.32                   | 55.70  | 76.73      | 75.63  |

**Table 8-5B—Rice production economic costs and returns, excluding direct government payments, 1995-96**

| Item  | United States |        | Arkansas<br>(non-Delta) |        | Mississippi<br>River Delta |        | Gulf Coast <sup>1</sup> |        | California |         |
|---|---------------|--------|-------------------------|--------|----------------------------|--------|-------------------------|--------|------------|---------|
|   | 1995          | 1996   | 1995                    | 1996   | 1995                       | 1996   | 1995                    | 1996   | 1995       | 1996    |
| <i>Dollars per planted acre</i>                                   |               |        |                         |        |                            |        |                         |        |            |         |
| Gross value of production (excluding direct government payments): |               |        |                         |        |                            |        |                         |        |            |         |
| Rice  | 488.66        | 592.70 | 502.15                  | 630.01 | 472.69                     | 588.32 | 413.13                  | 543.08 | 680.60     | 744.96  |
| Total, gross value of production                                  | 488.66        | 592.70 | 502.15                  | 630.01 | 472.69                     | 588.32 | 413.13                  | 543.08 | 680.60     | 744.96  |
| Economic (full ownership) costs:                                  |               |        |                         |        |                            |        |                         |        |            |         |
| Variable cash expenses  | 342.67        | 371.61 | 302.87                  | 337.58 | 294.46                     | 318.20 | 342.57                  | 369.79 | 475.92     | 503.27  |
| General farm overhead   | 29.91         | 28.00  | 18.04                   | 16.89  | 16.50                      | 15.44  | 22.65                   | 21.20  | 78.69      | 73.66   |
| Taxes and insurance   | 29.30         | 31.88  | 23.36                   | 25.53  | 19.91                      | 21.56  | 25.78                   | 28.20  | 56.91      | 61.63   |
| Capital replacement   | 58.87         | 59.25  | 56.44                   | 56.23  | 51.96                      | 51.34  | 58.74                   | 58.99  | 72.15      | 75.04   |
| Operating capital   | 9.59          | 9.47   | 8.46                    | 8.59   | 8.23                       | 8.10   | 9.63                    | 9.46   | 13.30      | 12.81   |
| Other nonland capital   | 21.08         | 19.98  | 22.61                   | 21.43  | 20.17                      | 19.11  | 20.93                   | 19.84  | 19.64      | 18.62   |
| Land  | 113.49        | 125.26 | 106.15                  | 114.31 | 106.70                     | 110.97 | 79.66                   | 86.91  | 183.41     | 217.60  |
| Unpaid labor  | 25.26         | 26.89  | 26.01                   | 28.64  | 16.61                      | 17.57  | 30.62                   | 32.23  | 27.11      | 27.82   |
| Total, economic (full ownership) costs                            | 630.17        | 672.34 | 563.94                  | 609.20 | 534.54                     | 562.29 | 590.58                  | 626.62 | 927.13     | 990.45  |
| Residual returns to management and risk                           | -141.51       | -79.64 | -61.79                  | 20.81  | -61.85                     | 26.03  | -177.45                 | -83.55 | -246.53    | -245.49 |
| Harvest-period price (dollars/cwt)                                | 8.77          | 9.75   | 8.85                    | 9.85   | 8.67                       | 9.75   | 8.05                    | 9.75   | 8.87       | 9.85    |
| Yield (cwt/planted acre)  | 55.72         | 60.79  | 56.74                   | 63.96  | 54.52                      | 60.34  | 51.32                   | 55.70  | 76.73      | 75.63   |

<sup>1</sup>Gulf Coast includes southwest Louisiana, upper and lower Texas coast.<sup>2</sup>Cost of custom operations and technical services.<sup>3</sup>Commercial drying only, beginning in 1992.<sup>4</sup>Cost of purchased irrigation water.

Source: Economic Research Service, U.S. Department of Agriculture.

## Net Returns to Management Negative in 1996 but Considerably Improved

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Area planted to sorghum rose almost 40 percent from 1995 to 13 million acres in 1996. Production also rose 75 percent to just over 800 million bushels. Because of higher production, the average harvest-month price fell from \$2.75 per bushel in 1995 to \$2.70 in 1996. The average yield rose about 21 percent, and gross value and returns rose as well. Variable cash expenses rose somewhat from 1995, but fixed cash and economic costs were relatively unchanged. Although residual returns to management and risk remained negative, they were considerably improved over previous years.

Area planted to sorghum in 1996 rose dramatically from a year earlier in Kansas and Texas. Kansas growers planted 4.8 million acres, up from 3.3 million in 1995, while Texas growers seeded 4.4 million acres, up from 2.7 million. Production nearly doubled in Kansas—rising from 173.6 million bushels in 1995 to 354 million in 1996. Production in Texas rose from 129.6 million bushels to 182.4 million. Oklahoma's crop increased from 12.8 million bushels to 28.9 million, and Nebraska's rose from 56.8 million to 97.8

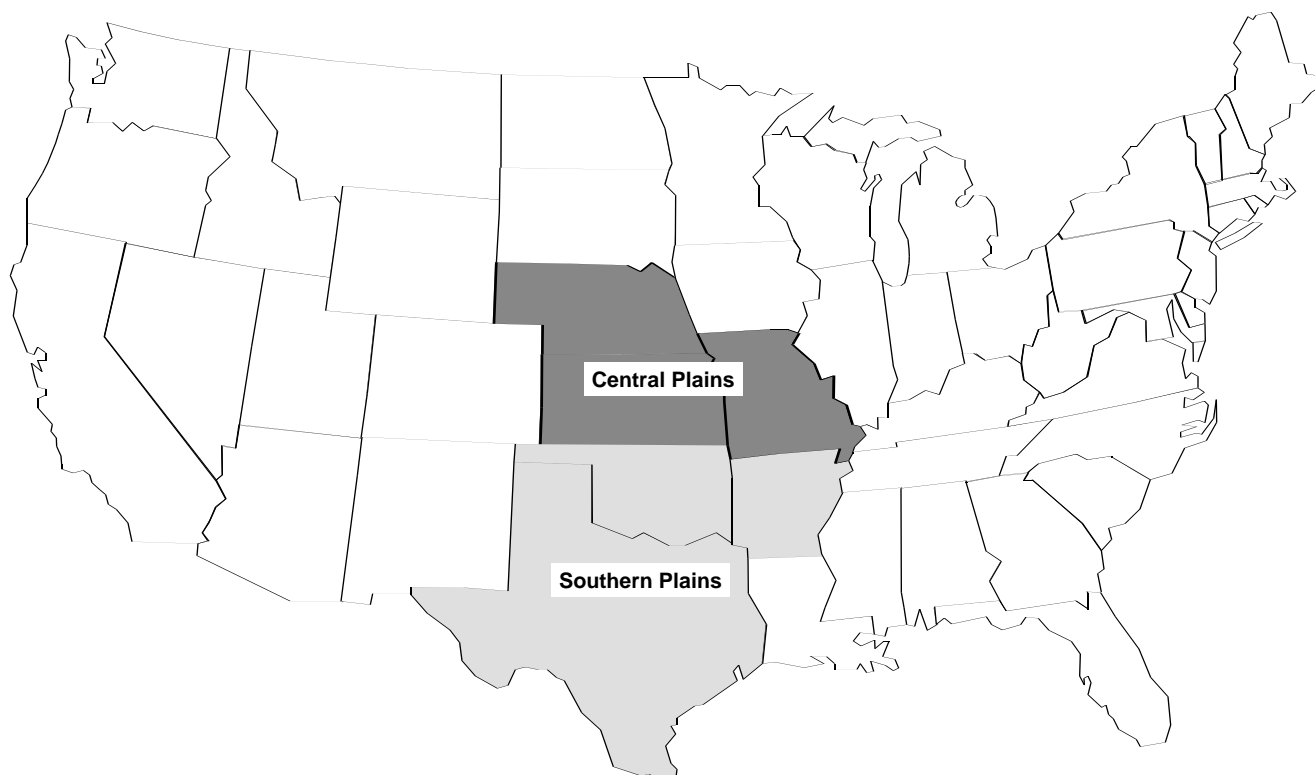
million bushels. Yields in Kansas, Missouri, and Nebraska returned to their higher 1994 levels.

Regionally, yields were slightly lower in the Southern Plains and considerably higher in the Central Plains than in 1995. Cash production costs were higher in both regions in 1996. Costs for fertilizer, chemicals, fuel, and repairs accounted for 81 percent of variable costs in the Central Plains and 77 percent in the Southern Plains.

Variable costs in 1996 varied from 96 cents per bushel in the Central Plains to \$2.10 in the Southern Plains, where irrigation was used more frequently. Cash costs varied from \$1.36 per bushel in the Central Plains to \$2.63 in the Southern Plains.

Although vastly improved from 1995, residual returns to management and risk remained negative in the Southern Plains. Residual returns in the Central Plains were positive in 1996 due to the higher gross value of production.

Figure 8-6  
**Grain sorghum production regions**



Notes: Shading and patterns indicate production regions where producers were surveyed in 1995 about production practices and costs of production. Production regions are defined for each crop based on common cultural practices.



**Table 8-6A—Grain sorghum production cash costs and returns, excluding direct government payments, 1995-96**

| Item  | United States |        | Southern Plains |        | Central Plains |        |
|---|---------------|--------|-----------------|--------|----------------|--------|
|   | 1995          | 1996   | 1995            | 1996   | 1995           | 1996   |
| <i>Dollars per planted acre</i>                                   |               |        |                 |        |                |        |
| Gross value of production (excluding direct government payments): |               |        |                 |        |                |        |
| Sorghum   | 141.87        | 170.91 | 154.58          | 193.37 | 123.05         | 141.80 |
| Total, gross value of production                                  | 141.87        | 170.91 | 154.58          | 193.37 | 123.05         | 141.80 |
| Cash expenses:  |               |        |                 |        |                |        |
| Seed  | 5.42          | 6.00   | 5.12            | 5.07   | 5.90           | 7.21   |
| Fertilizer, lime, and gypsum                                      | 19.19         | 17.99  | 19.56           | 18.06  | 18.62          | 17.90  |
| Chemicals   | 12.63         | 12.28  | 14.87           | 14.66  | 9.15           | 9.21   |
| Custom operations <sup>1</sup>                                    | 5.07          | 5.26   | 4.36            | 4.69   | 6.19           | 5.99   |
| Fuel, lube, and electricity                                       | 14.13         | 17.95  | 8.61            | 12.31  | 22.74          | 25.24  |
| Repairs   | 15.65         | 16.95  | 14.74           | 16.77  | 17.05          | 17.18  |
| Hired labor   | 4.99          | 5.42   | 3.82            | 4.16   | 6.81           | 7.03   |
| Other variable cash expenses <sup>2</sup>                         | 0.00          | 0.00   | 0.00            | 0.00   | 0.00           | 0.00   |
| Total, variable cash expenses                                     | 77.08         | 81.85  | 71.08           | 75.72  | 86.46          | 89.76  |
| General farm overhead   | 9.13          | 8.88   | 10.18           | 10.07  | 7.48           | 7.35   |
| Taxes and insurance   | 9.13          | 9.27   | 10.21           | 10.25  | 7.43           | 8.00   |
| Interest  | 9.30          | 9.61   | 10.89           | 11.57  | 6.83           | 7.07   |
| Total, fixed cash expenses  | 27.56         | 27.76  | 31.28           | 31.89  | 21.74          | 22.42  |
| Total, cash expenses  | 104.64        | 109.61 | 102.36          | 107.61 | 108.20         | 112.18 |
| Gross value of production less cash expenses                      | 37.23         | 61.30  | 52.22           | 85.76  | 14.85          | 29.62  |
| Harvest-period price (dollars/bu)                                 | 2.75          | 2.70   | 2.81            | 2.44   | 2.66           | 3.32   |
| Yield (bu/planted acre)   | 51.59         | 63.30  | 55.01           | 79.25  | 46.26          | 42.71  |

**Table 8-6B—Grain sorghum production economic costs and returns, excluding direct government payments, 1995-96**

| Item  | United States |        | Southern Plains |        | Central Plains |        |
|---|---------------|--------|-----------------|--------|----------------|--------|
|   | 1995          | 1996   | 1995            | 1996   | 1995           | 1996   |
| <i>Dollars per planted acre</i>                                   |               |        |                 |        |                |        |
| Gross value of production (excluding direct government payments): |               |        |                 |        |                |        |
| Sorghum   | 141.87        | 170.91 | 154.58          | 193.37 | 123.05         | 141.80 |
| Total, gross value of production                                  | 141.87        | 170.91 | 154.58          | 193.37 | 123.05         | 141.80 |
| Economic (full ownership) costs:                                  |               |        |                 |        |                |        |
| Variable cash expenses  | 77.08         | 81.85  | 71.08           | 75.72  | 86.46          | 89.76  |
| General farm overhead   | 9.13          | 8.88   | 10.18           | 10.07  | 7.48           | 7.35   |
| Taxes and insurance   | 9.13          | 9.27   | 10.21           | 10.25  | 7.43           | 8.00   |
| Capital replacement   | 28.73         | 31.13  | 27.45           | 31.28  | 30.72          | 30.93  |
| Operating capital   | 2.16          | 2.08   | 1.99            | 1.93   | 2.42           | 2.28   |
| Other nonland capital   | 12.65         | 12.98  | 12.18           | 13.12  | 13.39          | 12.79  |
| Land  | 31.81         | 25.25  | 36.39           | 30.52  | 24.66          | 18.44  |
| Unpaid labor  | 9.33          | 9.89   | 9.01            | 9.62   | 9.82           | 10.24  |
| Total, economic (full ownership) costs                            | 180.02        | 181.33 | 178.49          | 182.51 | 182.38         | 179.79 |
| Residual returns to management and risk                           | -38.15        | -10.42 | -23.91          | 10.86  | -59.33         | -37.99 |
| Harvest-period price (dollars/bu)                                 | 2.75          | 2.70   | 2.81            | 2.44   | 2.66           | 3.32   |
| Yield (bu/planted acre)   | 51.59         | 63.30  | 55.01           | 79.25  | 46.26          | 42.71  |

<sup>1</sup>Cost of custom operations and technical services.

<sup>2</sup>Cost of purchased irrigation water.

Source: Economic Research Service, U.S. Department of Agriculture.

## At the National Level, Yields and Prices Were Higher in 1996

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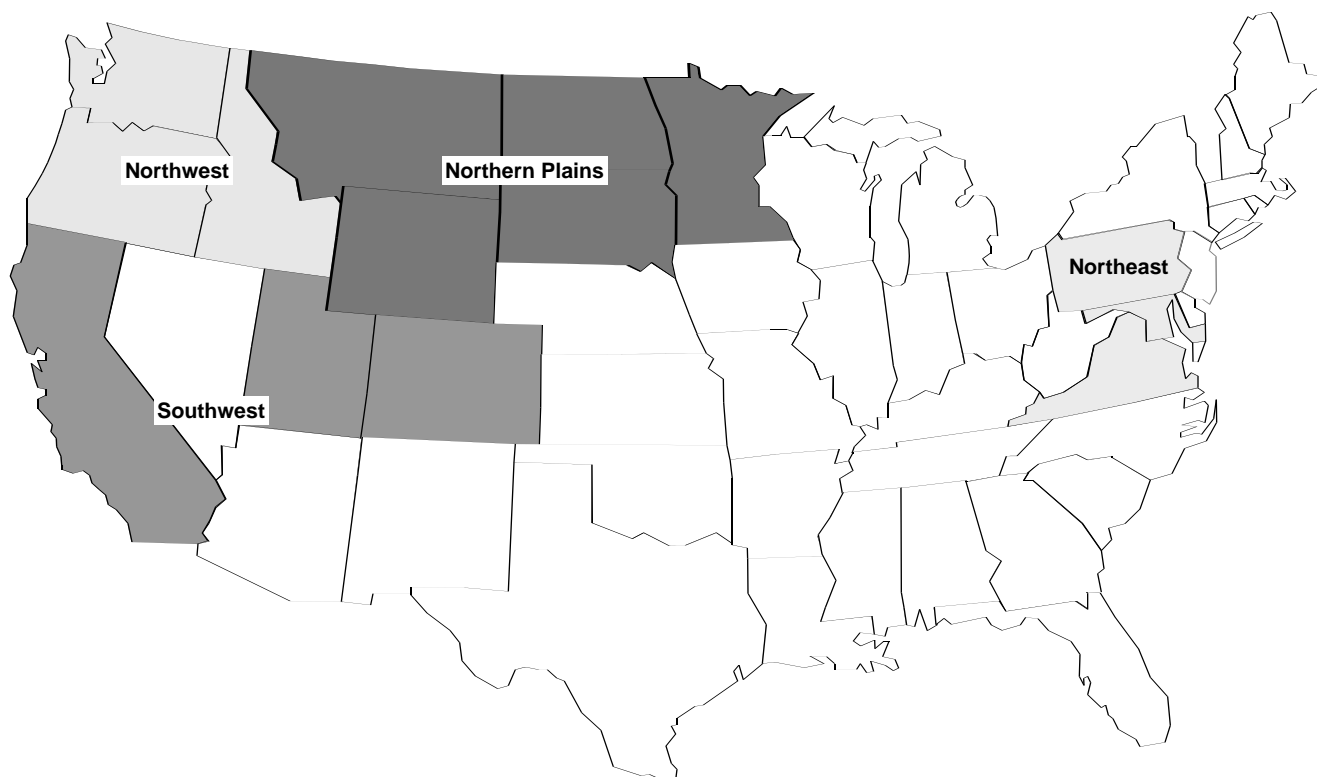
In 1996, U.S. farmers planted barley on 7.14 million acres and produced about 396 million bushels, 10 percent above the 1995 crop. The area harvested for grain was 6.79 million acres, 8 percent more than in 1995 and the largest since 1992 when 7.29 million acres were harvested. At the national level, yields and prices were higher in 1996.

Rising input prices increased the U.S. cash costs for producing barley by 7 percent to \$117 per acre, while economic costs rose 8 percent to \$203 per acre. The value of the 1996 barley crop at harvest time increased 19 percent from 1995 due to higher yields and prices. With an average 1996 yield of 54.5 bushels per planted acre, barley growers would have covered all cash costs at \$2.14 per bushel and total economic costs at \$3.72. With an average 1996 harvest-period price of \$2.97,

growers with costs near the national average would have needed yields of 68.2 bushels or more to cover total economic costs.

Regionally, cash costs rose 2-9 percent from 1995, ranging from \$99 to \$171 per acre. While regional economic costs rose 1-11 percent, they ranged from \$175 in the Northern Plains to \$287 in the Northwest. The Northwest region had the highest costs because of irrigation-related expenses. Although the Northern Plains (a major barley-producing region) had the lowest per acre costs, the price received at harvest (\$2.82 per bushel) was not enough to cover total economic costs; a price of \$3.55 would have covered all the costs. Break-even yields in this region were estimated to be 62 bushels per planted acre, 13 bushels more than actual yields.

Figure 8-7  
**Barley production regions**



Notes: Shading and patterns indicate production regions where producers were surveyed in 1992 about production practices and costs of production. Production regions are defined for each crop based on common cultural practices.

**Table 8-7A—Barley production cash costs and returns, excluding direct government payments, 1995-96**

| Item  | United States |        | Northeast |        | Northern Plains |        | Northwest |        | Southwest |        |
|---|---------------|--------|-----------|--------|-----------------|--------|-----------|--------|-----------|--------|
|   | 1995          | 1996   | 1995      | 1996   | 1995            | 1996   | 1995      | 1996   | 1995      | 1996   |
| <i>Dollars per planted acre</i>                                   |               |        |           |        |                 |        |           |        |           |        |
| Gross value of production (excluding direct government payments): |               |        |           |        |                 |        |           |        |           |        |
| Barley  | 134.65        | 161.72 | 136.41    | 205.75 | 109.22          | 139.00 | 217.00    | 222.41 | 168.00    | 198.69 |
| Barley straw  | 4.26          | 4.21   | 39.90     | 53.21  | 1.87            | 1.89   | 4.72      | 3.80   | 7.43      | 5.51   |
| Total, gross value of production                                  | 138.91        | 165.93 | 176.31    | 258.96 | 111.09          | 140.89 | 221.72    | 226.21 | 175.43    | 204.20 |
| Cash expenses:  |               |        |           |        |                 |        |           |        |           |        |
| Seed  | 7.44          | 9.50   | 11.91     | 11.77  | 5.72            | 7.63   | 11.61     | 14.65  | 11.04     | 12.49  |
| Fertilizer, lime, and gypsum                                      | 20.50         | 21.06  | 39.66     | 40.91  | 16.77           | 17.11  | 32.62     | 33.24  | 15.59     | 16.81  |
| Chemicals   | 9.12          | 9.50   | 3.55      | 3.46   | 7.69            | 7.86   | 16.33     | 17.05  | 7.40      | 7.26   |
| Custom operations   | 4.88          | 4.70   | 4.83      | 4.81   | 3.46            | 3.41   | 7.87      | 7.04   | 10.93     | 10.77  |
| Fuel, lube, and electricity                                       | 12.08         | 13.15  | 7.37      | 8.59   | 7.42            | 8.85   | 28.37     | 26.64  | 17.97     | 19.86  |
| Repairs   | 13.80         | 15.79  | 12.34     | 14.06  | 13.04           | 15.21  | 17.10     | 18.37  | 13.59     | 15.19  |
| Hired labor   | 4.99          | 5.24   | 4.47      | 4.64   | 3.80            | 3.98   | 8.48      | 8.54   | 7.80      | 8.66   |
| Other variable cash expenses <sup>1</sup>                         | 1.86          | 1.96   | 1.86      | 2.00   | 0.86            | 0.98   | 4.61      | 4.43   | 4.44      | 4.73   |
| Total, variable cash expenses                                     | 74.67         | 80.90  | 85.99     | 90.24  | 58.76           | 65.03  | 126.99    | 129.96 | 88.76     | 95.77  |
| General farm overhead   | 7.98          | 7.95   | 7.04      | 7.32   | 7.27            | 7.28   | 9.58      | 9.06   | 11.28     | 11.69  |
| Taxes and insurance   | 13.20         | 14.27  | 12.97     | 14.09  | 11.87           | 12.86  | 15.04     | 15.89  | 21.33     | 23.64  |
| Interest  | 12.79         | 13.38  | 4.41      | 4.70   | 13.01           | 13.7   | 16.06     | 15.84  | 6.88      | 7.44   |
| Total, fixed cash expenses  | 33.97         | 35.60  | 24.42     | 26.11  | 32.15           | 33.84  | 40.68     | 40.79  | 39.49     | 42.77  |
| Total, cash expenses  | 108.64        | 116.50 | 110.41    | 116.35 | 90.91           | 98.87  | 167.67    | 170.75 | 128.25    | 138.54 |
| Gross value of production less cash expenses                      | 30.27         | 49.43  | 65.90     | 142.61 | 20.18           | 42.02  | 54.05     | 55.46  | 47.18     | 65.66  |
| Harvest-period price (dollars/bu)                                 | 2.53          | 2.97   | 1.71      | 3.06   | 2.47            | 2.82   | 2.75      | 3.18   | 2.77      | 3.55   |
| Yield (bu/planted acre)   | 53.22         | 54.45  | 79.77     | 67.24  | 44.22           | 49.29  | 78.91     | 69.94  | 60.65     | 55.97  |

**Table 8-7B—Barley production economic costs and returns, excluding direct government payments, 1995-96**

| Item  | United States |        | Northeast |        | Northern Plains |        | Northwest |        | Southwest |        |
|---|---------------|--------|-----------|--------|-----------------|--------|-----------|--------|-----------|--------|
|   | 1995          | 1996   | 1995      | 1996   | 1995            | 1996   | 1995      | 1996   | 1995      | 1996   |
| <i>Dollars per planted acre</i>                                   |               |        |           |        |                 |        |           |        |           |        |
| Gross value of production (excluding direct government payments): |               |        |           |        |                 |        |           |        |           |        |
| Barley  | 134.65        | 161.72 | 136.41    | 205.75 | 109.22          | 139.00 | 217.00    | 222.41 | 168.00    | 198.69 |
| Barley straw  | 4.26          | 4.21   | 39.90     | 53.21  | 1.87            | 1.89   | 4.72      | 3.80   | 7.43      | 5.51   |
| Total, gross value of production                                  | 138.91        | 165.93 | 176.31    | 258.96 | 111.09          | 140.89 | 221.72    | 226.21 | 175.43    | 204.20 |
| Economic (full ownership) costs:                                  |               |        |           |        |                 |        |           |        |           |        |
| Variable cash expenses  | 74.67         | 80.90  | 85.99     | 90.24  | 58.76           | 65.03  | 126.99    | 129.96 | 88.76     | 95.77  |
| General farm overhead   | 7.98          | 7.95   | 7.04      | 7.32   | 7.27            | 7.28   | 9.58      | 9.06   | 11.28     | 11.69  |
| Taxes and insurance   | 13.20         | 14.27  | 12.97     | 14.09  | 11.87           | 12.86  | 15.04     | 15.89  | 21.33     | 23.64  |
| Capital replacement   | 28.30         | 32.17  | 23.04     | 26.28  | 26.15           | 30.38  | 36.37     | 38.47  | 31.17     | 34.85  |
| Operating capital   | 2.09          | 2.06   | 2.40      | 2.29   | 1.65            | 1.66   | 3.55      | 3.31   | 2.48      | 2.44   |
| Other nonland capital   | 14.89         | 16.09  | 12.28     | 13.33  | 14.89           | 16.43  | 15.60     | 15.61  | 14.44     | 15.42  |
| Land  | 39.37         | 42.13  | 20.55     | 19.58  | 32.45           | 35.96  | 65.64     | 64.25  | 49.07     | 51.29  |
| Unpaid labor  | 6.64          | 6.99   | 12.90     | 13.68  | 5.09            | 5.38   | 10.57     | 10.82  | 8.30      | 9.08   |
| Total, economic (full ownership) costs                            | 187.14        | 202.56 | 177.17    | 186.81 | 158.13          | 174.98 | 283.34    | 287.37 | 226.83    | 244.18 |
| Residual returns to management and risk                           | -48.23        | -36.63 | -0.86     | 72.15  | -47.04          | -34.09 | -61.62    | -61.16 | -51.40    | -39.98 |
| Harvest-period price (dollars/bu)                                 | 2.53          | 2.97   | 1.71      | 3.06   | 2.47            | 2.82   | 2.75      | 3.18   | 2.77      | 3.55   |
| Yield (bu/planted acre)   | 53.22         | 54.45  | 79.77     | 67.24  | 44.22           | 49.29  | 78.91     | 69.94  | 60.65     | 55.97  |

<sup>1</sup>Cost of purchased irrigation water and baling.

Source: Economic Research Service, U.S. Department of Agriculture.

## Net Returns More Than Tripled; Residual Returns Positive

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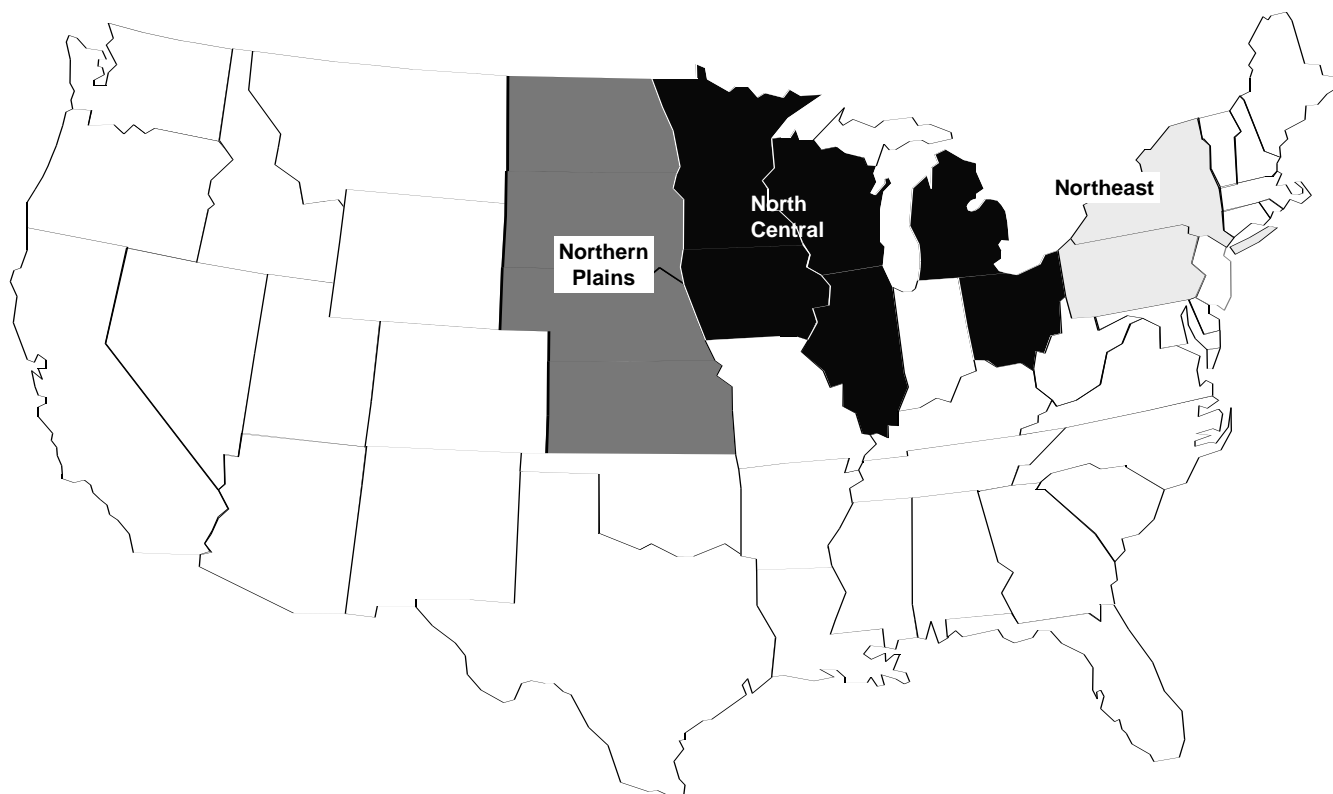
Production continued to slide in 1996 as seeded area fell 26 percent and yields per planted acre increased just 6 percent. As a result, oat prices were up substantially in 1996. Higher values for both grain and straw boosted the total value of production. With value of production strongly exceeding a rise in costs, net returns more than tripled and residual returns to management and risk moved from negative to positive on a national level. Much of the increase in costs was due to higher prices for seed and fuel.

The Northeast region continued to have the highest value of production in 1996 because of higher oat

prices. Value of production remained lowest in the Northern Plains because of lower grain prices and lower straw value. Improved yields in the North Central region and Northern Plains compared with the Northeast allowed these regions to move closer to the Northeast in 1996 value of production.

Costs continued to be highest in the Northeast and lowest in the Northern Plains. Lower costs and higher yields in the Northern Plains and North Central regions compared with the Northeast moved these areas ahead of the Northeast in residual returns to management and risk in 1996.

Figure 8-8  
**Oat production regions**



Notes: Shading and patterns indicate production regions where producers were surveyed in 1994 about production practices and costs of production. Production regions are defined for each crop based on common cultural practices.

**Table 8-8A—Oat production cash costs and returns, excluding direct government payments, 1995-96**

| Item  | United States |        | Northeast |        | North Central |        | Northern Plains |        |
|---|---------------|--------|-----------|--------|---------------|--------|-----------------|--------|
|   | 1995          | 1996   | 1995      | 1996   | 1995          | 1996   | 1995            | 1996   |
| <i>Dollars per planted acre</i>                                   |               |        |           |        |               |        |                 |        |
| Gross value of production (excluding direct government payments): |               |        |           |        |               |        |                 |        |
| Oats  | 72.87         | 128.26 | 86.00     | 125.37 | 71.40         | 119.06 | 59.55           | 115.37 |
| Oat straw   | 27.51         | 32.03  | 36.17     | 42.11  | 37.98         | 44.21  | 7.66            | 8.92   |
| Total, gross value of production                                  | 100.38        | 160.29 | 122.17    | 167.48 | 109.38        | 163.27 | 67.21           | 124.29 |
| Cash expenses:  |               |        |           |        |               |        |                 |        |
| Seed  | 7.46          | 8.81   | 12.14     | 15.13  | 8.91          | 9.67   | 4.59            | 6.21   |
| Fertilizer, lime, and gypsum                                      | 15.76         | 17.05  | 22.44     | 30.38  | 20.61         | 20.12  | 8.64            | 10.25  |
| Chemicals   | 1.72          | 1.82   | 2.73      | 2.88   | 1.19          | 1.26   | 2.18            | 2.3    |
| Custom operations <sup>1</sup>                                    | 4.30          | 4.33   | 4.89      | 4.91   | 5.69          | 5.75   | 2.42            | 2.42   |
| Fuel, lube, and electricity                                       | 6.38          | 7.41   | 10.24     | 12.38  | 4.08          | 4.19   | 7.57            | 9.78   |
| Repairs   | 10.31         | 9.63   | 13.70     | 11.51  | 8.03          | 6.50   | 11.61           | 12.35  |
| Hired labor   | 1.76          | 1.93   | 2.84      | 3.12   | 1.58          | 1.73   | 0.32            | 0.35   |
| Other variable cash expenses <sup>2</sup>                         | 1.02          | 1.19   | 1.25      | 1.46   | 1.40          | 1.63   | 0.34            | 0.40   |
| Total, variable cash expenses                                     | 48.71         | 52.17  | 70.23     | 81.77  | 51.49         | 50.85  | 37.67           | 44.06  |
| General farm overhead   | 5.65          | 5.29   | 8.42      | 7.88   | 4.83          | 4.52   | 3.43            | 3.21   |
| Taxes and insurance   | 13.88         | 14.85  | 21.00     | 22.10  | 19.00         | 20.15  | 7.00            | 7.75   |
| Interest  | 5.57          | 5.49   | 5.34      | 5.27   | 6.22          | 6.14   | 5.17            | 5.10   |
| Total, fixed cash expenses  | 25.10         | 25.63  | 34.76     | 35.25  | 30.05         | 30.81  | 15.60           | 16.06  |
| Total, cash expenses  | 73.81         | 77.80  | 104.99    | 117.02 | 81.54         | 81.66  | 53.27           | 60.12  |
| Gross value of production less cash expenses                      | 26.57         | 82.49  | 17.18     | 50.46  | 27.84         | 81.61  | 13.94           | 64.17  |
| Harvest-period price (dollars/bu)                                 | 1.30          | 2.16   | 1.52      | 2.32   | 1.28          | 2.02   | 1.15            | 1.92   |
| Yield (bu/planted acre)   | 56.05         | 59.38  | 56.58     | 54.04  | 55.78         | 58.94  | 51.78           | 60.09  |

**Table 8-8B—Oat production economic costs and returns, excluding direct government payments, 1995-96**

| Item  | United States |        | Northeast |        | North Central |        | Northern Plains |        |
|---|---------------|--------|-----------|--------|---------------|--------|-----------------|--------|
|   | 1995          | 1996   | 1995      | 1996   | 1995          | 1996   | 1995            | 1996   |
| <i>Dollars per planted acre</i>                                   |               |        |           |        |               |        |                 |        |
| Gross value of production (excluding direct government payments): |               |        |           |        |               |        |                 |        |
| Oats  | 72.87         | 128.26 | 86.00     | 125.37 | 71.40         | 119.06 | 59.55           | 115.37 |
| Oat straw   | 27.51         | 32.03  | 36.17     | 42.11  | 37.98         | 44.21  | 7.66            | 8.92   |
| Total, gross value of production                                  | 100.38        | 160.29 | 122.17    | 167.48 | 109.38        | 163.27 | 67.21           | 124.29 |
| Economic (full ownership) costs:                                  |               |        |           |        |               |        |                 |        |
| Variable cash expenses  | 48.71         | 52.17  | 70.23     | 81.77  | 51.49         | 50.85  | 37.67           | 44.06  |
| General farm overhead   | 5.65          | 5.29   | 8.42      | 7.88   | 4.83          | 4.52   | 3.43            | 3.21   |
| Taxes and insurance   | 13.88         | 14.85  | 21.00     | 22.10  | 19.00         | 20.15  | 7.00            | 7.75   |
| Capital replacement   | 18.58         | 17.33  | 21.24     | 17.84  | 14.94         | 12.10  | 20.62           | 21.92  |
| Operating capital   | 0.70          | 1.22   | 1.10      | 2.08   | 0.80          | 1.29   | 0.59            | 1.12   |
| Nonland capital   | 11.43         | 10.82  | 12.78     | 12.09  | 11.07         | 10.48  | 11.80           | 11.17  |
| Land  | 26.72         | 27.83  | 5.76      | 6.00   | 35.61         | 37.08  | 21.55           | 22.44  |
| Unpaid labor  | 14.30         | 15.85  | 19.05     | 20.91  | 18.66         | 19.94  | 8.58            | 10.27  |
| Total, economic (full ownership) costs                            | 139.97        | 145.36 | 159.58    | 170.67 | 156.40        | 156.41 | 111.24          | 121.94 |
| Residual returns to management and risk                           | -39.60        | 14.93  | -37.41    | -3.19  | -47.02        | 6.86   | -44.03          | 2.35   |
| Harvest-period price (dollars/bu)                                 | 1.30          | 2.16   | 1.52      | 2.32   | 1.28          | 2.02   | 1.15            | 1.92   |
| Yield (bu/planted acre)   | 56.05         | 59.38  | 56.58     | 54.04  | 55.78         | 58.94  | 51.78           | 60.09  |

<sup>1</sup>Cost of custom operations and technical services.<sup>2</sup>Cost of baling.

Source: Economic Research Service, U.S. Department of Agriculture.

## Rising Input Prices Raised Variable Cash Costs

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U.S. farmers planted beets on about 1.37 million acres and produced 26.57 million tons in 1996, 5.3 percent below the 1995 harvest. The largest decline in beet area was in Ohio, where planted acres fell 73 percent from 1995 levels to 4,400 acres in 1996. A 20- to 30-percent decline in beet area was reported in Michigan, Nebraska, California, and Texas. Planted acres increased the most in North Dakota, followed by Minnesota and Colorado. North Dakota and Minnesota growers planted beets on 667,600 acres, up 43,600 from 1995 and accounting for nearly half the total U.S. beet area.

The overall 1996 prices paid index for farm production inputs rose an average 5.5 percent from 1995. However, price increases varied among individual inputs. The greatest was for fuel, 11.7 percent, followed by labor, 6.3 percent. Prices for fertilizers and chemicals rose about 3 percent from 1995. Rising input prices led to a 2.3-percent rise in total variable cash costs. In sugar beet production, hired labor, chemicals, and fertilizers were the major cash expens-

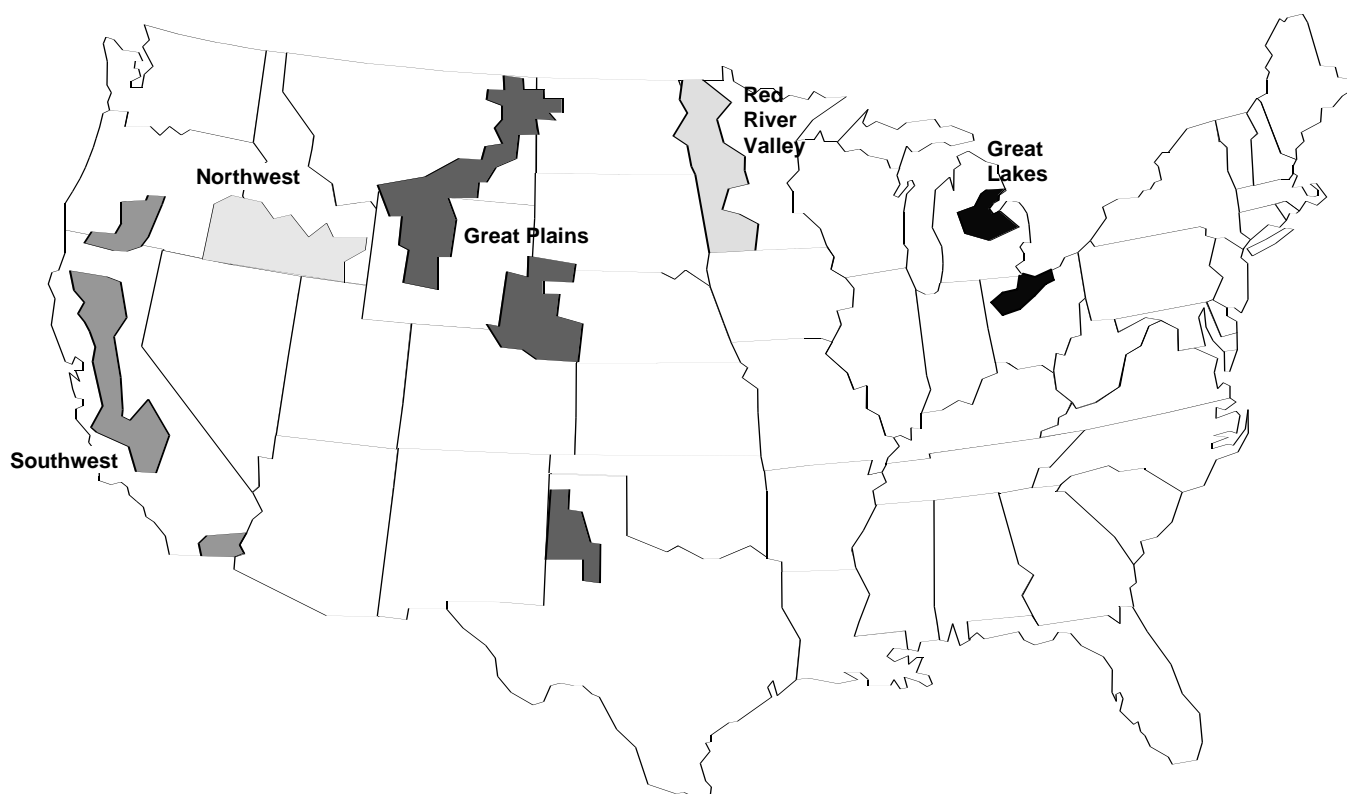
es, accounting for about 60 percent of the total variable costs. In 1996, expenses for these major inputs rose an average 3.5 percent from 1995. Regionally, hired labor expenses averaged 20-30 percent of total variable costs. The region most affected by rising wage rates was the Northwest, where the per acre wage bill increased 8.7 percent.

In 1996, U.S. beet yields per planted acre were very similar to those of 1995. However, the influence of weather varied among the beet-producing regions. Yields were slightly higher than in 1995 in all regions except the Great Lakes, where cool summer weather conditions slowed beet development. In the Great Lakes region, beet yields averaged 12.9 tons per planted acre, down 16.6 percent from 1995. On a per ton basis, variable cash costs averaged \$22.26, up 2.5 percent from 1995. Per ton variable costs increased in all regions except the Southwest, where they fell 2.6 percent from 1995. Per ton variable costs increased the most (20.6 percent) in the Great Lakes, primarily due to poor yields.



Figure 8-9

**Sugar beet production regions**



Notes: Shading and patterns indicate production regions where producers were surveyed in 1992 about production practices and costs of production.

**Table 8-9A—Sugar beet production cash costs and returns, 1995-96<sup>1</sup>**

| Item  | United States |        | Great Lakes |        | Red River Valley |        | Great Plains |        | Northwest |          | Southwest |          |
|---|---------------|--------|-------------|--------|------------------|--------|--------------|--------|-----------|----------|-----------|----------|
|   | 1995          | 1996   | 1995        | 1996   | 1995             | 1996   | 1995         | 1996   | 1995      | 1996     | 1995      | 1996     |
| <i>Dollars per planted acre</i>                 |               |        |             |        |                  |        |              |        |           |          |           |          |
| Gross value of production:                      |               |        |             |        |                  |        |              |        |           |          |           |          |
| Beets   | 748.52        | 746.61 | 527.68      | 439.68 | 685.85           | 698.52 | 674.09       | 692.29 | 993.93    | 1,017.37 | 1,191.06  | 1,246.62 |
| Beet tops                                       | 0.75          | 0.71   | 0.00        | 0.00   | 0.00             | 0.00   | 2.80         | 2.82   | 0.04      | 0.04     | 2.77      | 2.97     |
| Total, gross value of production                | 749.27        | 747.32 | 527.68      | 439.68 | 685.85           | 698.52 | 676.89       | 695.11 | 993.97    | 1,017.41 | 1,193.83  | 1,249.59 |
| Cash expenses:                                  |               |        |             |        |                  |        |              |        |           |          |           |          |
| Seed  | 39.58         | 41.72  | 23.48       | 24.23  | 41.15            | 42.91  | 43.42        | 45.61  | 42.97     | 44.53    | 44.64     | 46.73    |
| Fertilizer                                      | 70.06         | 70.89  | 67.14       | 70.86  | 39.90            | 41.68  | 88.02        | 90.51  | 121.00    | 125.82   | 101.69    | 107.98   |
| Chemicals                                       | 71.21         | 73.91  | 58.77       | 60.63  | 68.13            | 71.12  | 74.75        | 77.24  | 79.62     | 82.75    | 86.14     | 89.32    |
| Custom operations                               | 40.15         | 34.71  | 30.97       | 24.37  | 24.12            | 24.34  | 23.38        | 22.64  | 36.59     | 36.55    | 188.03    | 166.70   |
| Fuel and lubrication                            | 39.05         | 41.64  | 21.24       | 22.77  | 17.85            | 21.87  | 49.03        | 53.53  | 93.50     | 95.71    | 60.65     | 65.27    |
| Repairs   | 38.72         | 38.45  | 27.61       | 24.29  | 28.93            | 29.37  | 51.98        | 52.52  | 58.07     | 58.52    | 44.72     | 45.61    |
| Hired labor                                     | 99.67         | 104.52 | 58.03       | 61.91  | 69.33            | 77.02  | 103.76       | 103.60 | 177.78    | 193.22   | 182.25    | 187.06   |
| Purchased irrigation water                      | 9.10          | 9.07   | 0.00        | 0.00   | 0.04             | 0.04   | 12.21        | 13.47  | 28.59     | 30.18    | 30.66     | 32.35    |
| Freight and dirt hauling charges                | 13.40         | 16.01  | 6.22        | 6.29   | 9.55             | 11.93  | 15.42        | 18.11  | 11.80     | 14.11    | 45.33     | 64.52    |
| Miscellaneous                                   | 11.53         | 12.83  | 4.45        | 4.16   | 14.47            | 16.54  | 5.47         | 6.15   | 5.34      | 5.62     | 33.68     | 37.42    |
| Hauling allowance (-)                           | -6.87         | -8.57  | -2.28       | -2.31  | -9.14            | -11.39 | -1.88        | -1.89  | -1.24     | -1.48    | -24.78    | -35.27   |
| Total, variable cash expenses                   | 425.60        | 435.18 | 295.63      | 297.20 | 304.33           | 325.43 | 465.56       | 481.49 | 654.02    | 685.53   | 793.01    | 807.69   |
| General farm overhead                           | 38.82         | 26.30  | 39.68       | 27.76  | 30.43            | 20.78  | 44.44        | 31.37  | 47.23     | 32.36    | 54.00     | 36.99    |
| Taxes and insurance                             | 43.40         | 36.14  | 59.37       | 51.47  | 39.36            | 32.92  | 40.57        | 34.34  | 38.40     | 32.39    | 52.58     | 47.19    |
| Interest  | 49.70         | 35.95  | 52.85       | 38.78  | 45.83            | 33.00  | 56.97        | 42.13  | 51.21     | 36.99    | 45.44     | 32.83    |
| Total, fixed cash expenses                      | 131.92        | 98.39  | 151.90      | 118.01 | 115.62           | 86.70  | 141.98       | 107.84 | 136.84    | 101.74   | 152.02    | 117.01   |
| Total, cash expenses                            | 557.52        | 533.57 | 447.53      | 415.21 | 419.95           | 412.13 | 607.54       | 589.33 | 790.86    | 787.27   | 945.03    | 924.70   |
| Gross value of production<br>less cash expenses | 191.75        | 213.75 | 80.15       | 24.47  | 265.90           | 286.39 | 69.35        | 105.78 | 203.11    | 230.14   | 248.80    | 324.89   |
| Season-average price (dollars/ton)              | 38.19         | 38.19  | 34.11       | 34.11  | 38.38            | 38.38  | 37.14        | 37.14  | 40.42     | 40.42    | 39.40     | 39.40    |
| Yield (net tons/planted acre) <sup>2</sup>      | 19.60         | 19.55  | 15.47       | 12.89  | 17.87            | 18.20  | 18.15        | 18.64  | 24.59     | 25.17    | 30.23     | 31.64    |

**Table 8-9B—Sugar beet production economic costs and returns, 1995-96<sup>1</sup>**

| Item                                       | United States |        | Great Lakes |         | Red River Valley |        | Great Plains |         | Northwest |          | Southwest |          |
|--|---------------|--------|-------------|---------|------------------|--------|--------------|---------|-----------|----------|-----------|----------|
|  | 1995          | 1996   | 1995        | 1996    | 1995             | 1996   | 1995         | 1996    | 1995      | 1996     | 1995      | 1996     |
| <i>Dollars per planted acre</i>            |               |        |             |         |                  |        |              |         |           |          |           |          |
| Gross value of production:                 |               |        |             |         |                  |        |              |         |           |          |           |          |
| Beets                                      | 748.52        | 746.61 | 527.68      | 439.68  | 685.85           | 698.52 | 674.09       | 692.29  | 993.93    | 1,017.37 | 1,191.06  | 1,246.62 |
| Beet tops                                  | 0.75          | 0.71   | 0.00        | 0.00    | 0.00             | 0.00   | 2.80         | 2.82    | 0.04      | 0.04     | 2.77      | 2.97     |
| Total, gross value of production           | 749.27        | 747.32 | 527.68      | 439.68  | 685.85           | 698.52 | 676.89       | 695.11  | 993.97    | 1,017.41 | 1,193.83  | 1,249.59 |
| Economic (full ownership) costs:           |               |        |             |         |                  |        |              |         |           |          |           |          |
| Variable cash expenses                     | 425.60        | 435.18 | 295.63      | 297.20  | 304.33           | 325.43 | 465.56       | 481.49  | 654.02    | 685.53   | 793.01    | 807.69   |
| General farm overhead                      | 38.82         | 26.30  | 39.68       | 27.76   | 30.43            | 20.78  | 44.44        | 31.37   | 47.23     | 32.36    | 54.00     | 36.99    |
| Taxes and insurance                        | 43.40         | 36.14  | 59.37       | 51.47   | 39.36            | 32.92  | 40.57        | 34.34   | 38.40     | 32.39    | 52.58     | 47.19    |
| Capital replacement                        | 51.36         | 51.14  | 35.93       | 31.68   | 38.00            | 38.58  | 68.64        | 69.18   | 83.27     | 83.9     | 51.73     | 52.76    |
| Operating capital                          | 11.90         | 11.08  | 8.26        | 7.56    | 8.51             | 8.28   | 13.01        | 12.25   | 18.28     | 17.45    | 22.16     | 20.56    |
| Nonland capital                            | 27.47         | 25.75  | 25.08       | 21.1    | 19.60            | 18.86  | 38.12        | 36.97   | 38.82     | 37.07    | 28.54     | 27.59    |
| Land                                       | 128.22        | 132.30 | 96.98       | 93.37   | 126.35           | 131.89 | 104.22       | 109.94  | 171.85    | 169.94   | 167.58    | 183.37   |
| Coop share                                 | 25.94         | 26.24  | 0.00        | 0.00    | 59.31            | 53.94  | 0.00         | 0.00    | 0.00      | 0.00     | 0.00      | 0.00     |
| Unpaid labor                               | 45.15         | 48.15  | 57.22       | 61.46   | 33.25            | 36.95  | 72.12        | 76.24   | 43.96     | 47.56    | 28.19     | 28.93    |
| Total, economic (full ownership) costs     | 797.86        | 792.28 | 618.15      | 591.60  | 659.14           | 667.63 | 846.68       | 851.78  | 1,095.83  | 1,106.20 | 1,197.79  | 1,205.08 |
| Residual returns to management and risk    | -48.59        | -44.96 | -90.47      | -151.92 | 26.71            | 30.89  | -169.79      | -156.67 | -101.86   | -88.79   | -3.96     | 44.51    |
| Season-average price (dollars/ton)         | 38.19         | 38.19  | 34.11       | 34.11   | 38.38            | 38.38  | 37.14        | 37.14   | 40.42     | 40.42    | 39.40     | 39.40    |
| Yield (net tons/planted acre) <sup>2</sup> | 19.60         | 19.55  | 15.47       | 12.89   | 17.87            | 18.20  | 18.15        | 18.64   | 24.59     | 25.17    | 30.23     | 31.64    |

Note: Sugar beet regions defined as Great Lakes (Michigan, Ohio), Red River Valley (Minnesota, eastern North Dakota), Great Plains (western North Dakota, Montana, Wyoming, Nebraska, Colorado, Texas), Northwest (Idaho, Oregon, except Klamath County), and Southwest (California, Klamath County, OR).

<sup>1</sup>1995 estimates are revised. 1996 estimates are preliminary. Sugar beet prices are held at the 1995 level because State-level prices for the 1996 season will not be available before January 1998.

<sup>2</sup>Yields are those reported in USDA's 1992 Farm Costs and Returns Survey of sugar beet growers adjusted for year-over-year changes as reported by NASS/USDA in *Crop Production*, 1996 Summary, January 1997.

Source: Economic Research Service, U.S. Department of Agriculture.

**Table 8-9C—Beet sugar processing costs per net ton of sugar beets by cost item and area, 1995-96<sup>1</sup>**

| Item                          | United States |       | East  |       | West  |       |
|-------------------------------|---------------|-------|-------|-------|-------|-------|
|                               | 1995          | 1996  | 1995  | 1996  | 1995  | 1996  |
| <i>Dollars per net ton</i>    |               |       |       |       |       |       |
| Variable cash expenses:       |               |       |       |       |       |       |
| Beet acquisition              | 3.63          | 3.66  | 3.13  | 3.13  | 4.19  | 4.25  |
| Processing                    | 9.24          | 10.07 | 10.09 | 10.82 | 8.29  | 9.23  |
| Labor                         | 3.28          | 3.31  | 3.20  | 3.09  | 3.38  | 3.54  |
| Fuel                          | 3.55          | 4.35  | 3.66  | 4.49  | 3.42  | 4.19  |
| Chemicals                     | 0.75          | 0.75  | 0.83  | 0.83  | 0.66  | 0.66  |
| Electricity                   | 0.66          | 0.64  | 1.01  | 0.99  | 0.27  | 0.25  |
| Materials and supplies        | 1.00          | 1.02  | 1.38  | 1.42  | 0.56  | 0.58  |
| Repairs and maintenance       | 3.17          | 3.12  | 3.90  | 3.79  | 2.35  | 2.38  |
| Labor benefits                | 2.12          | 2.13  | 2.17  | 2.10  | 2.07  | 2.17  |
| Marketing                     | 9.27          | 9.50  | 9.03  | 9.22  | 9.53  | 9.81  |
| Total, variable cash expenses | 27.42         | 28.48 | 28.31 | 29.06 | 26.43 | 27.83 |
| Fixed expenses:               |               |       |       |       |       |       |
| Depreciation                  | 1.68          | 1.59  | 2.29  | 2.17  | 1.00  | 0.95  |
| Taxes and insurance           | 0.35          | 0.34  | 0.40  | 0.38  | 0.30  | 0.30  |
| Interest                      | 1.38          | 1.25  | 1.04  | 0.94  | 1.75  | 1.60  |
| Total, fixed cash expenses    | 3.41          | 3.19  | 3.72  | 3.50  | 3.06  | 2.84  |
| General and administrative    | 1.43          | 1.46  | 1.09  | 1.08  | 1.81  | 1.87  |
| Labor                         | 0.61          | 0.61  | 0.63  | 0.61  | 0.58  | 0.61  |
| Nonlabor                      | 0.82          | 0.85  | 0.46  | 0.47  | 1.23  | 1.26  |
| Pulp drying and marketing     | 3.28          | 3.38  | 3.54  | 3.76  | 3.00  | 2.96  |
| Total, processing costs       | 35.54         | 36.50 | 36.66 | 37.40 | 34.30 | 35.50 |
| Credits:                      |               |       |       |       |       |       |
| Dried pulp                    | 5.57          | 5.47  | 6.62  | 6.68  | 4.39  | 4.12  |
| Molasses                      | 1.77          | 1.82  | 2.11  | 2.22  | 1.40  | 1.37  |
| Other                         | 0.45          | 0.43  | 0.53  | 0.52  | 0.36  | 0.33  |
| Total, credits                | 7.79          | 7.72  | 9.26  | 9.42  | 6.15  | 5.82  |

**Table 8-9D—Beet sugar processing costs per pound of refined sugar by cost item and area, 1995-96<sup>1</sup>**

| Item                                    | United States |         | East    |         | West    |         |
|---|---------------|---------|---------|---------|---------|---------|
|   | 1995          | 1996    | 1995    | 1996    | 1995    | 1996    |
| <i>Cents per pound of refined sugar</i> |               |         |         |         |         |         |
| Variable cash expenses:                 |               |         |         |         |         |         |
| Beet acquisition                        | 1.243         | 1.253   | 1.107   | 1.109   | 1.385   | 1.403   |
| Processing                              | 3.164         | 3.447   | 3.572   | 3.832   | 2.739   | 3.047   |
| Labor                                   | 1.124         | 1.132   | 1.132   | 1.096   | 1.116   | 1.170   |
| Fuel                                    | 1.215         | 1.489   | 1.297   | 1.590   | 1.129   | 1.384   |
| Chemicals                               | 0.258         | 0.257   | 0.295   | 0.294   | 0.220   | 0.219   |
| Electricity                             | 0.226         | 0.220   | 0.359   | 0.351   | 0.088   | 0.083   |
| Materials and supplies                  | 0.341         | 0.350   | 0.489   | 0.502   | 0.186   | 0.191   |
| Repairs and maintenance                 | 1.084         | 1.068   | 1.380   | 1.341   | 0.776   | 0.785   |
| Labor benefits                          | 0.726         | 0.730   | 0.768   | 0.743   | 0.683   | 0.715   |
| Marketing                               | 3.173         | 3.252   | 3.198   | 3.265   | 3.147   | 3.240   |
| Total, variable cash expenses           | 9.390         | 9.751   | 10.025  | 10.290  | 8.730   | 9.190   |
| Fixed expenses:                         |               |         |         |         |         |         |
| Depreciation                            | 0.576         | 0.546   | 0.811   | 0.769   | 0.331   | 0.314   |
| Taxes and insurance                     | 0.120         | 0.117   | 0.140   | 0.136   | 0.099   | 0.098   |
| Interest                                | 0.471         | 0.429   | 0.367   | 0.334   | 0.579   | 0.527   |
| Total, fixed cash expenses              | 1.167         | 1.092   | 1.319   | 1.239   | 1.010   | 0.939   |
| General and administrative              | 0.489         | 0.498   | 0.386   | 0.383   | 0.597   | 0.618   |
| Labor                                   | 0.208         | 0.209   | 0.224   | 0.217   | 0.192   | 0.201   |
| Nonlabor                                | 0.281         | 0.290   | 0.162   | 0.167   | 0.405   | 0.417   |
| Pulp drying and marketing               | 1.124         | 1.157   | 1.252   | 1.331   | 0.991   | 0.977   |
| Total, processing costs                 | 12.170        | 12.498  | 12.981  | 13.243  | 11.327  | 11.724  |
| Credits:                                |               |         |         |         |         |         |
| Dried pulp                              | 1.907         | 1.872   | 2.345   | 2.364   | 1.451   | 1.360   |
| Molasses                                | 0.607         | 0.623   | 0.746   | 0.787   | 0.462   | 0.453   |
| Other                                   | 0.155         | 0.148   | 0.189   | 0.185   | 0.119   | 0.109   |
| Total, credits                          | 2.669         | 2.643   | 3.280   | 3.336   | 2.032   | 1.922   |
| Recovery per net ton of beets (lbs)     | 292.000       | 309.200 | 282.400 | 311.000 | 302.800 | 307.200 |

<sup>1</sup>Eastern region is Red River Valley and Michigan/Ohio; Western region is all others.

Source: Economic Research Service, U.S. Department of Agriculture.

## Variable Cash Growing Expenses Up 3 Percent per Pound

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Total cash expenses for growing an acre of sugarcane in 1996 fell 1.1 percent. Because hired labor is the largest single cost component for growing sugarcane, and lower wage rates in 1996 caused labor expenses to fall. Fertilizer expenses also fell as Florida used more potash than nitrogen. Potash prices fell in 1996, while nitrogen prices rose. The higher nitrogen prices caused USDA's fertilizer prices paid index to rise but had a minimal effect on sugarcane growers. It should also be noted that beginning in 1995, the Everglades

Restoration Tax was added to Florida costs, raising U.S. fixed costs.

Cane yields were essentially unchanged at the national level. However, lower 1996 sugar recovery rates were responsible for a 3-percent rise in variable cash growing expenses (measured in costs per pound of sugar produced). Processing the crop cost about 2 percent more than in 1995. Most of this was due to the lower sugar recovery rates.

Figure 8-10

**Sugarcane production regions**



Notes: Shading and patterns indicate production regions where producers were surveyed in 1992 about production practices and costs of production. Production regions are defined for each crop based on common cultural practices.

**Table 8-10A—Sugarcane production cash costs and returns, 1995-96**

| Item  | United States |        | Florida  |          | Hawaii   |          | Louisiana/Texas |        |
|---|---------------|--------|----------|----------|----------|----------|-----------------|--------|
|   | 1995          | 1996   | 1995     | 1996     | 1995     | 1996     | 1995            | 1996   |
| <i>Dollars per harvested acre</i>               |               |        |          |          |          |          |                 |        |
| Gross value of production <sup>1</sup>          | 983.24        | 979.40 | 1,058.76 | 1,040.40 | 2,632.45 | 2,645.37 | 708.38          | 727.01 |
| Cash expenses:                                  |               |        |          |          |          |          |                 |        |
| Seed <sup>2</sup>                               | 37.79         | 38.48  | 27.95    | 27.95    | —        | —        | 52.30           | 54.63  |
| Fertilizer                                      | 71.18         | 67.56  | 61.33    | 57.99    | 285.41   | 294.92   | 55.83           | 53.82  |
| Chemicals                                       | 66.16         | 67.70  | 59.10    | 61.15    | 150.01   | 155.23   | 63.42           | 65.66  |
| Custom operations                               | 59.75         | 61.53  | 106.65   | 104.81   | 62.26    | 62.57    | 11.64           | 12.20  |
| Fuel, lube, and electricity                     | 26.84         | 29.80  | 21.67    | 23.79    | 83.30    | 93.51    | 25.40           | 29.73  |
| Repairs   | 95.42         | 97.01  | 80.12    | 80.84    | 419.62   | 432.97   | 72.59           | 79.00  |
| Hired labor                                     | 333.27        | 323.91 | 406.54   | 396.76   | 1,504.49 | 1,378.30 | 119.78          | 126.81 |
| Purchased irrigation water                      | 5.57          | 5.77   | 6.70     | 7.07     | NA       | NA       | 5.07            | 4.92   |
| Miscellaneous                                   | 7.65          | 7.16   | 0.56     | 0.58     | 104.39   | 109.14   | 3.41            | 3.59   |
| Hauling allowance (-)                           | 8.17          | 8.77   | 0.00     | 0.00     | 0.00     | 0.00     | 17.47           | 19.69  |
| Total, variable cash expenses                   | 695.45        | 690.16 | 770.63   | 760.95   | 2,609.48 | 2,526.63 | 391.98          | 410.67 |
| General farm overhead                           | 88.47         | 82.83  | 114.79   | 107.45   | 339.08   | 317.38   | 31.94           | 29.41  |
| Taxes and insurance <sup>3</sup>                | 48.56         | 50.72  | 59.27    | 59.93    | 49.50    | 48.28    | 37.53           | 40.51  |
| Interest  | 13.39         | 13.03  | 9.61     | 9.49     | NA       | NA       | 18.83           | 18.48  |
| Total, fixed cash expenses                      | 150.42        | 146.58 | 183.67   | 176.86   | 388.58   | 365.65   | 88.31           | 88.39  |
| Total, cash expenses                            | 845.87        | 836.74 | 954.31   | 937.81   | 2,998.06 | 2,892.28 | 480.28          | 499.06 |
| Gross value of production less cash expenses    | 137.36        | 142.66 | 104.45   | 102.59   | -365.61  | -246.91  | 228.10          | 227.96 |
| Season-average price (dollars/ton) <sup>1</sup> | 29.50         | 29.50  | 30.60    | 30.60    | 32.30    | 32.30    | 26.96           | 26.96  |
| Yield (net tons/harvested acre)                 | 33.33         | 33.20  | 34.60    | 34.00    | 81.50    | 81.90    | 26.28           | 26.96  |

**Table 8-10B—Sugarcane production economic costs and returns, 1995-96**

| Item  | United States |          | Florida  |          | Hawaii   |          | Louisiana/Texas |        |
|---|---------------|----------|----------|----------|----------|----------|-----------------|--------|
|   | 1995          | 1996     | 1995     | 1996     | 1995     | 1996     | 1995            | 1996   |
| <i>Dollars per harvested acre</i>               |               |          |          |          |          |          |                 |        |
| Gross value of production                       | 983.24        | 979.40   | 1,058.76 | 1,040.40 | 2,632.45 | 2,645.37 | 708.38          | 727.01 |
| Economic (full ownership) costs:                |               |          |          |          |          |          |                 |        |
| Variable cash expenses                          | 695.45        | 690.16   | 770.63   | 760.95   | 2,609.48 | 2,526.63 | 391.98          | 410.67 |
| General farm overhead                           | 88.47         | 82.83    | 114.79   | 107.45   | 339.08   | 317.38   | 31.94           | 29.41  |
| Taxes and insurance <sup>3</sup>                | 48.56         | 50.72    | 59.27    | 59.93    | 49.50    | 48.28    | 37.53           | 40.51  |
| Capital replacement                             | 77.25         | 78.83    | 50.77    | 52.88    | 184.37   | 192.06   | 91.53           | 96.07  |
| Operating capital                               | 19.44         | 17.56    | 21.54    | 19.37    | 72.94    | 64.30    | 10.96           | 10.45  |
| Other nonland capital                           | 30.89         | 29.31    | 12.01    | 11.86    | 107.10   | 105.74   | 41.10           | 40.89  |
| Land  | 155.04        | 159.95   | 180.34   | 183.54   | 235.51   | 241.60   | 119.72          | 124.27 |
| Unpaid labor                                    | 15.62         | 15.81    | 1.39     | 1.36     | NA       | NA       | 31.97           | 33.96  |
| Total, economic (full ownership) costs          | 1,130.72      | 1,125.17 | 1,210.76 | 1,197.34 | 3,597.99 | 3,495.99 | 756.72          | 786.22 |
| Residual returns to management and risk         | -147.48       | -145.77  | -152.00  | -156.94  | -965.54  | -850.62  | -48.34          | -59.20 |
| Season-average price (dollars/ton) <sup>1</sup> | 29.50         | 29.50    | 30.60    | 30.60    | 32.30    | 32.30    | 26.96           | 26.96  |
| Yield (net tons/harvested acre)                 | 33.33         | 33.20    | 34.60    | 34.00    | 81.50    | 81.90    | 26.28           | 26.96  |

— = Not applicable.

NA = Not available.

<sup>1</sup>For 1996, sugarcane prices are held at the 1995 level. Prices for the 1996 season will not be available before January 1998.<sup>2</sup>Includes cost of purchased seed and home-grown seed.<sup>3</sup>Includes Florida Everglades Restoration tax.

Source: Economic Research Service, U.S. Department of Agriculture.

**Table 8-10C—Sugarcane processing costs per net ton by cost item and area, 1995-96**

| Item                              | United States |       | Florida |       | Hawaii |       | Louisiana/Texas |       |
|-----------------------------------|---------------|-------|---------|-------|--------|-------|-----------------|-------|
|                                   | 1995          | 1996  | 1995    | 1996  | 1995   | 1996  | 1995            | 1996  |
| <i>Dollars per net ton</i>        |               |       |         |       |        |       |                 |       |
| Variable cash expenses:           |               |       |         |       |        |       |                 |       |
| Cane transportation               | 2.78          | 2.77  | 3.07    | 3.08  | 1.74   | 1.75  | 2.78            | 2.74  |
| Processing                        | 4.85          | 5.06  | 4.11    | 4.26  | 8.04   | 8.43  | 4.67            | 4.89  |
| Labor                             | 2.41          | 2.44  | 2.55    | 2.62  | 3.78   | 3.73  | 1.72            | 1.73  |
| Fuel                              | 0.56          | 0.69  | 0.23    | 0.28  | 1.40   | 1.72  | 0.70            | 0.86  |
| Chemicals                         | 0.29          | 0.29  | 0.20    | 0.19  | 0.38   | 0.38  | 0.40            | 0.39  |
| Electricity                       | 0.45          | 0.47  | 0.12    | 0.12  | 1.35   | 1.45  | 0.56            | 0.58  |
| Materials and supplies            | 1.13          | 1.16  | 1.02    | 1.05  | 1.13   | 1.16  | 1.29            | 1.32  |
| Repairs and maintenance           | 3.67          | 3.63  | 2.89    | 2.87  | 5.51   | 5.40  | 4.04            | 3.99  |
| Labor benefits                    | 1.44          | 1.45  | 1.13    | 1.16  | 3.11   | 3.07  | 1.25            | 1.26  |
| Marketing                         | 2.48          | 2.54  | 2.39    | 2.46  | 5.75   | 5.89  | 1.40            | 1.43  |
| Total, variable cash expenses     | 15.22         | 15.45 | 13.59   | 13.82 | 24.15  | 24.53 | 14.14           | 14.31 |
| Fixed cash expenses:              |               |       |         |       |        |       |                 |       |
| Depreciation                      | 1.35          | 1.28  | 0.99    | 0.94  | 2.42   | 2.29  | 1.45            | 1.37  |
| Taxes and insurance               | 0.45          | 0.47  | 0.28    | 0.29  | 0.41   | 0.42  | 0.69            | 0.71  |
| Interest                          | 0.43          | 0.39  | 0.56    | 0.51  | 0.00   | 0.00  | 0.40            | 0.36  |
| Total, fixed cash expenses        | 2.23          | 2.13  | 1.83    | 1.74  | 2.82   | 2.72  | 2.54            | 2.45  |
| General and administrative:       |               |       |         |       |        |       |                 |       |
| Labor                             | 0.75          | 0.75  | 0.66    | 0.68  | 1.09   | 1.07  | 0.73            | 0.73  |
| Nonlabor                          | 1.30          | 1.33  | 1.62    | 1.67  | 0.82   | 0.84  | 1.03            | 1.06  |
| Total, general and administrative | 2.04          | 2.09  | 2.28    | 2.35  | 1.90   | 1.91  | 1.76            | 1.80  |
| Total, processing costs           | 19.49         | 19.67 | 17.70   | 17.91 | 28.88  | 29.16 | 18.45           | 18.56 |
| Credits:                          |               |       |         |       |        |       |                 |       |
| Molasses                          | 1.70          | 1.73  | 1.61    | 1.71  | 1.24   | 1.11  | 2.00            | 1.99  |
| Bagasse                           | 0.08          | 0.07  | 0.07    | 0.07  | 0.00   | 0.00  | 0.11            | 0.11  |
| Other                             | 0.40          | 0.34  | 0.11    | 0.10  | 2.56   | 2.11  | 0.00            | 0.00  |
| Total, credits                    | 2.18          | 2.14  | 1.78    | 1.88  | 3.80   | 3.22  | 2.12            | 2.10  |

**Table 8-10D—Sugarcane processing costs per pound of 96-degree raw sugar by cost item and area, 1995-96**

| Item                               | United States |       | Florida |       | Hawaii |        | Louisiana/Texas |       |
|------------------------------------|---------------|-------|---------|-------|--------|--------|-----------------|-------|
|                                    | 1995          | 1996  | 1995    | 1996  | 1995   | 1996   | 1995            | 1996  |
| <i>Dollars per net ton</i>         |               |       |         |       |        |        |                 |       |
| Variable cash expenses:            |               |       |         |       |        |        |                 |       |
| Cane transportation                | 1.175         | 1.182 | 1.252   | 1.265 | 0.700  | 0.718  | 1.254           | 1.246 |
| Processing                         | 2.045         | 2.155 | 1.673   | 1.750 | 3.244  | 3.458  | 2.104           | 2.224 |
| Labor                              | 1.017         | 1.041 | 1.038   | 1.076 | 1.526  | 1.529  | 0.776           | 0.788 |
| Fuel                               | 0.237         | 0.293 | 0.092   | 0.113 | 0.565  | 0.705  | 0.318           | 0.393 |
| Chemicals                          | 0.124         | 0.125 | 0.080   | 0.080 | 0.153  | 0.155  | 0.178           | 0.179 |
| Electricity                        | 0.190         | 0.201 | 0.049   | 0.051 | 0.545  | 0.595  | 0.252           | 0.264 |
| Materials and supplies             | 0.478         | 0.495 | 0.415   | 0.430 | 0.455  | 0.475  | 0.579           | 0.600 |
| Repairs and maintenance            | 1.549         | 1.545 | 1.177   | 1.181 | 2.223  | 2.213  | 1.823           | 1.812 |
| Labor benefits                     | 0.609         | 0.620 | 0.460   | 0.477 | 1.255  | 1.257  | 0.565           | 0.573 |
| Marketing                          | 1.047         | 1.084 | 0.974   | 1.010 | 2.317  | 2.415  | 0.631           | 0.651 |
| Total, variable cash expenses      | 6.424         | 6.587 | 5.536   | 5.683 | 9.739  | 10.062 | 6.377           | 6.506 |
| Fixed cash expenses:               |               |       |         |       |        |        |                 |       |
| Depreciation                       | 0.570         | 0.546 | 0.403   | 0.385 | 0.975  | 0.940  | 0.653           | 0.624 |
| Taxes and insurance                | 0.190         | 0.198 | 0.115   | 0.121 | 0.163  | 0.174  | 0.313           | 0.324 |
| Interest                           | 0.180         | 0.165 | 0.229   | 0.210 | 0.000  | 0.000  | 0.180           | 0.166 |
| Total, fixed cash expenses         | 0.940         | 0.910 | 0.747   | 0.716 | 1.138  | 1.114  | 1.146           | 1.113 |
| General and administrative:        |               |       |         |       |        |        |                 |       |
| Labor                              | 0.315         | 0.321 | 0.270   | 0.280 | 0.438  | 0.439  | 0.329           | 0.334 |
| Nonlabor                           | 0.547         | 0.569 | 0.660   | 0.686 | 0.330  | 0.346  | 0.466           | 0.484 |
| Total, general and administrative  | 0.861         | 0.890 | 0.931   | 0.967 | 0.768  | 0.785  | 0.795           | 0.818 |
| Total, processing costs            | 8.225         | 8.387 | 7.214   | 7.366 | 11.645 | 11.960 | 8.319           | 8.438 |
| Credits:                           |               |       |         |       |        |        |                 |       |
| Molasses                           | 0.719         | 0.737 | 0.655   | 0.701 | 0.502  | 0.454  | 0.904           | 0.906 |
| Bagasse                            | 0.032         | 0.031 | 0.027   | 0.028 | 0.000  | 0.000  | 0.052           | 0.050 |
| Other                              | 0.168         | 0.144 | 0.043   | 0.043 | 1.030  | 0.866  | 0.000           | 0.000 |
| Total, credits                     | 0.919         | 0.913 | 0.725   | 0.772 | 1.532  | 1.320  | 0.956           | 0.955 |
| Recovery per net ton of cane (lbs) | 237.0         | 234.6 | 245.4   | 243.2 | 248.0  | 243.8  | 221.8           | 219.9 |

Source: Economic Research Service, U.S. Department of Agriculture.

## Area Planted Continued Falling, Down 8 Percent

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Area planted to peanuts continued falling, down 8 percent from 1995 levels to 1.4 million acres in 1996. Production was up 5 percent from 1995 levels at 3.6 billion pounds, but still below 1994 levels. Although the quota price was unchanged from 1995 at \$678 per ton, the average harvest-month price fell from 29 cents per pound to 26 cents. On average, yields rose 13 percent to 2,443 pounds per planted acre, and returns rose as well. Residual returns to management and risk were positive in 1996; higher gross value and lower fixed costs more than offset higher variable cash expenses.

Area planted to peanuts fell across all regions, although Texas reported more peanut acres in 1996 than in 1995. Yields rose in all three regions, with the largest yields and yield increases in the Virginia-North Carolina region. Growers in Alabama and Oklahoma had lower production in 1996, but there were considerably fewer acres planted in these States and yields were higher in 1996 than in 1995.

The Virginia-North Carolina region continues to have the highest gross value of production and production costs. Variable costs increased slightly more than the

decline in fixed costs. The region has the highest chemical and labor costs, but the lowest cost of commercial drying as most Virginia-North Carolina growers do their own drying.

The Southeast region accounts for the majority of U.S. peanut production—some 52 percent in 1996, down from 55 percent in 1995. Growers here had the lowest costs for fuel and repairs, and the increase in variable costs was offset by the decline in fixed costs.

The Southern Plains had the lowest yields and gross value of production. Variable costs were lowest in this region as expenditures for fertilizer and chemicals were half that of the other regions. Costs for fuel, repairs, and replacement were highest here because of irrigation.

Per pound variable production costs varied from 13.7 cents in Virginia-North Carolina to 14 cents in the Southern Plains and 14.4 cents in the Southeast. Total cash costs per pound varied from 15.9 cents in Virginia-North Carolina to 17 cents in the Southeast and 17.5 cents in the Southern Plains.



Figure 8-11

**Peanut production regions**



Notes: Shading and patterns indicate production regions where producers were surveyed in 1995 about production practices and costs of production. Production regions are defined for each crop based on common cultural practices.

**Table 8-11A—Peanut production cash costs and returns, 1995-96**

| Item  | United States |        | Virginia/<br>North Carolina |        | Southeast |        | Southern Plains |        |
|---|---------------|--------|-----------------------------|--------|-----------|--------|-----------------|--------|
|   | 1995          | 1996   | 1995                        | 1996   | 1995      | 1996   | 1995            | 1996   |
| <i>Dollars per planted acre</i>                 |               |        |                             |        |           |        |                 |        |
| Gross value of production:                      |               |        |                             |        |           |        |                 |        |
| Peanuts   | 620.62        | 635.14 | 744.61                      | 832.06 | 657.51    | 680.56 | 493.75          | 481.58 |
| Peanut hay                                      | 10.35         | 12.10  | 9.18                        | 9.98   | 8.13      | 9.06   | 15.85           | 19.15  |
| Total, gross value of production                | 630.97        | 647.24 | 753.79                      | 842.04 | 665.64    | 689.62 | 509.60          | 500.73 |
| Cash expenses:                                  |               |        |                             |        |           |        |                 |        |
| Seed  | 72.87         | 74.75  | 84.24                       | 92.73  | 75.05     | 76.03  | 61.09           | 62.57  |
| Fertilizer, lime, and gypsum                    | 43.47         | 44.12  | 53.55                       | 52.20  | 49.62     | 52.29  | 23.94           | 23.85  |
| Chemicals                                       | 97.83         | 99.71  | 139.24                      | 142.94 | 112.44    | 117.85 | 40.50           | 41.08  |
| Custom operations <sup>1</sup>                  | 8.44          | 8.70   | 4.71                        | 4.85   | 8.69      | 8.84   | 10.24           | 10.51  |
| Fuel, lube, and electricity                     | 34.84         | 40.31  | 32.17                       | 40.05  | 26.48     | 29.70  | 54.49           | 61.09  |
| Repairs   | 27.85         | 28.62  | 26.89                       | 27.83  | 26.27     | 27.03  | 31.88           | 32.14  |
| Hired labor                                     | 31.97         | 32.86  | 43.13                       | 42.63  | 30.15     | 32.27  | 28.91           | 28.74  |
| Drying  | 14.95         | 17.03  | 4.21                        | 5.15   | 16.44     | 18.29  | 18.44           | 20.99  |
| Other variable cash expenses <sup>2</sup>       | 0.00          | 0.00   | 0.00                        | 0.00   | 0.00      | 0.00   | 0.00            | 0.00   |
| Total, variable cash expenses                   | 332.22        | 346.10 | 388.14                      | 408.38 | 345.14    | 362.30 | 269.49          | 280.97 |
| General farm overhead                           | 17.38         | 12.94  | 24.69                       | 18.56  | 15.78     | 11.84  | 16.27           | 12.05  |
| Taxes and insurance                             | 20.17         | 17.96  | 23.11                       | 20.90  | 20.66     | 18.44  | 17.27           | 15.43  |
| Interest  | 44.67         | 35.47  | 29.42                       | 23.28  | 44.96     | 35.57  | 53.54           | 41.85  |
| Total, fixed cash expenses                      | 82.22         | 66.37  | 77.22                       | 62.74  | 81.40     | 65.85  | 87.08           | 69.33  |
| Total, cash expenses                            | 414.44        | 412.47 | 465.36                      | 471.12 | 426.54    | 428.15 | 356.57          | 350.30 |
| Gross value of production<br>less cash expenses | 216.53        | 234.77 | 288.43                      | 370.92 | 239.10    | 261.47 | 153.03          | 150.43 |
| Harvest-period price (dollars/lb)               | 0.29          | 0.26   | 0.31                        | 0.28   | 0.29      | 0.27   | 0.29            | 0.24   |
| Yield (lbs/planted acre)                        | 2,140         | 2,443  | 2,402                       | 2,972  | 2,267     | 2,521  | 1,703           | 2,007  |

**Table 8-11B—Peanut production economic costs and returns, 1995-96**

| Item                                      | United States |        | Virginia/<br>North Carolina |        | Southeast |        | Southern Plains |        |
|---|---------------|--------|-----------------------------|--------|-----------|--------|-----------------|--------|
|   | 1995          | 1996   | 1995                        | 1996   | 1995      | 1996   | 1995            | 1996   |
| <i>Dollars per planted acre</i>           |               |        |                             |        |           |        |                 |        |
| Gross value of production:                |               |        |                             |        |           |        |                 |        |
| Peanuts                                   | 620.62        | 635.14 | 744.61                      | 832.06 | 657.51    | 680.56 | 493.75          | 481.58 |
| Peanut hay                                | 10.35         | 12.10  | 9.18                        | 9.98   | 8.13      | 9.06   | 15.85           | 19.15  |
| Total, gross value of production          | 630.97        | 647.24 | 753.79                      | 842.04 | 665.64    | 689.62 | 509.60          | 500.73 |
| Economic (full ownership) costs:          |               |        |                             |        |           |        |                 |        |
| Variable cash expenses                    | 332.22        | 346.10 | 388.14                      | 408.38 | 345.14    | 362.30 | 269.49          | 280.97 |
| General farm overhead                     | 17.38         | 12.94  | 24.69                       | 18.56  | 15.78     | 11.84  | 16.27           | 12.05  |
| Taxes and insurance                       | 20.17         | 17.96  | 23.11                       | 20.90  | 20.66     | 18.44  | 17.27           | 15.43  |
| Capital replacement                       | 47.62         | 49.13  | 39.53                       | 40.92  | 42.48     | 43.79  | 63.72           | 63.93  |
| Operating capital                         | 9.29          | 8.37   | 10.85                       | 10.27  | 9.65      | 8.75   | 7.53            | 6.62   |
| Other nonland capital                     | 28.43         | 27.70  | 26.67                       | 26.16  | 26.03     | 25.41  | 34.72           | 32.98  |
| Land                                      | 52.94         | 44.67  | 66.09                       | 62.93  | 45.76     | 43.06  | 60.21           | 37.97  |
| Peanut quota                              | 93.92         | 94.89  | 103.83                      | 108.58 | 102.55    | 103.07 | 69.16           | 71.58  |
| Unpaid labor                              | 30.64         | 32.14  | 29.82                       | 29.49  | 27.23     | 29.12  | 38.48           | 39.44  |
| Total, economic<br>(full ownership) costs | 632.61        | 633.90 | 712.73                      | 726.19 | 635.28    | 645.78 | 576.85          | 560.97 |
| Residual returns to management and risk   | -1.64         | 13.34  | 41.06                       | 115.85 | 30.36     | 43.84  | -67.25          | -60.24 |
| Harvest-period price (dollars/lb)         | 0.29          | 0.26   | 0.31                        | 0.28   | 0.29      | 0.27   | 0.29            | 0.24   |
| Yield (lbs/planted acre)                  | 2,140         | 2,443  | 2,402                       | 2,972  | 2,267     | 2,521  | 1,703           | 2,007  |

<sup>1</sup>Cost of custom operations and technical services.<sup>2</sup>Cost of purchased irrigation water.

Source: Economic Research Service, U.S. Department of Agriculture.

## Variable Costs of Flue-Cured Tobacco Up Almost 7 Percent

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### Flue-Cured Tobacco

Adverse weather conditions in the Southeast at harvest influenced flue-cured tobacco prices. However, flue-cured tobacco production was about 22 percent higher in 1996 than 1995. Variable costs of producing an acre of flue-cured tobacco in 1996 averaged \$2,026, up almost 7 percent from 1995. Among the cost components, selling costs (warehouse fees, no-net-cost and marketing assessments, inspection, and grading fees), which are influenced by production and the market price, increased the most (17 percent). The next largest change was in fuel-related costs (up 15 percent), followed by chemical costs (up 4 percent). Selling and labor costs increased \$21 and \$24 per acre, respectively, from 1995 to 1996. Total 1996 ownership costs per acre declined about 1 percent (\$564 to \$559). Of the ownership costs, taxes and insurance costs decreased the most (4 percent). Both general farm overhead and land and quota costs increased by 14 and 12 percent, respectively, reflecting the effects of an increase in yield of 218 pounds per acre.

### Burley Tobacco

Note: Burley tobacco cost estimates for 1995 and 1996 are based on new data collected through USDA's 1995

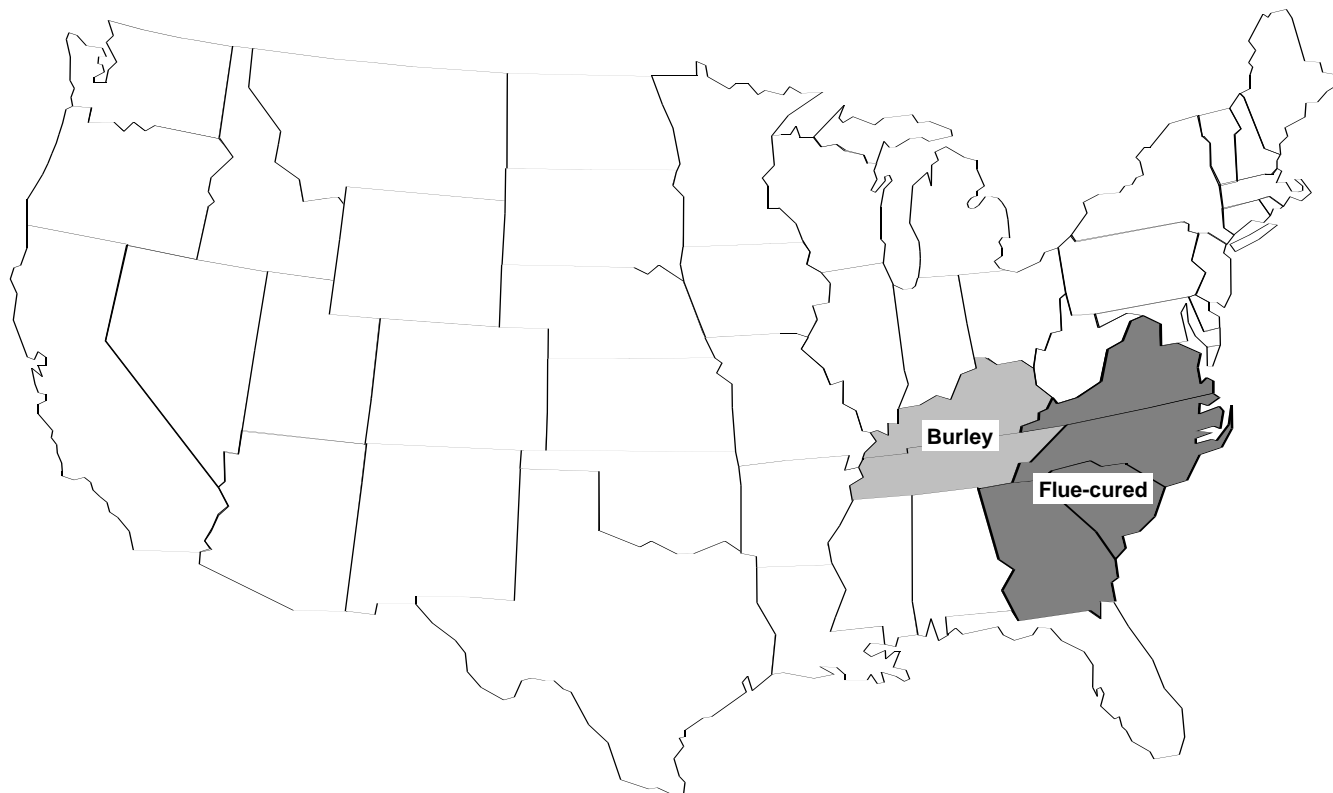
Farm Costs and Returns Survey. The burley budget now conforms with format and methodologies used for other commodities in the costs-of-production project. In-depth research based on the new data will be published soon. Data for flue-cured tobacco have just been collected, and flue-cured budgets will be revised next year.

The variable costs of producing and selling burley tobacco increased from \$1,249 per acre in 1995 to \$1,343 in 1996. Total fixed costs decreased almost \$61 per acre. Selling costs (warehouse fees, no-net-cost and marketing assessments, inspection, and grading fees) rose \$28 in 1996. The largest changes among all individual cost items per acre between 1995 and 1996 were general farm overhead (down 21 percent), labor (up 15 percent), and selling costs (up 13 percent).

General farm overhead was lower, as were all allocated costs, due to burley tobacco's lower contribution to the overall value of production of the farm. While the gross value of production for burley tobacco was higher in 1996 than in 1995, all other farm enterprises together were higher. Land and quota charges increased from \$955 per acre in 1995 to \$1,008 because of higher yields and increased market prices.

Figure 8-12

**Tobacco production regions**



Notes: Shading and patterns indicate production regions where producers were surveyed in 1991 for flue-cured tobacco and in 1995 for burley tobacco about production practices and costs of production.

**Table 8-12A—Flue-cured tobacco production cash costs and returns, 1995-96**

| Item                                     | 1995     | 1996 <sup>1</sup> |
|--|----------|-------------------|
| <i>Dollars per planted acre</i>          |          |                   |
| Gross value of production                | 3,467.80 | 3,951.39          |
| Variable costs:                          |          |                   |
| Labor <sup>2</sup>                       | 725.12   | 758.39            |
| Noncash benefits <sup>3</sup>            | 24.68    | 25.81             |
| Fertilizer and lime <sup>4</sup>         | 225.90   | 229.60            |
| Plant bed materials <sup>5</sup>         | 46.11    | 47.77             |
| Chemicals <sup>6</sup>                   | 218.50   | 226.10            |
| Custom operations                        | 8.15     | 8.15              |
| Fuel and lubrication <sup>7</sup>        | 59.86    | 69.07             |
| Curing fuel and electricity <sup>8</sup> | 297.89   | 343.72            |
| Repairs <sup>9</sup>                     | 142.88   | 146.71            |
| Warehouse fee                            | 91.90    | 104.71            |
| No-net-cost and marketing assessment     | 15.46    | 21.51             |
| Inspection and grading fee               | 15.44    | 17.85             |
| Interest                                 | 22.44    | 22.87             |
| Other <sup>10</sup>                      | 3.81     | 3.91              |
| Total, variable costs                    | 1,898.14 | 2,026.17          |
| Machinery and barn ownership costs:      |          |                   |
| Capital replacement                      | 320.71   | 320.94            |
| Return to other nonland capital          | 103.31   | 104.22            |
| Taxes and insurance                      | 140.21   | 134.22            |
| Total, ownership costs                   | 564.23   | 559.38            |
| Other costs:                             |          |                   |
| General farm overhead                    | 224.52   | 255.83            |
| Land and quota charge <sup>11</sup>      | 799.19   | 897.88            |
| Total, excluding land and quota          | 2,686.89 | 2,841.38          |
| Yield (lbs/acre)                         | 1,933    | 2,151             |

<sup>1</sup>Preliminary.<sup>2</sup>Includes operator, family, exchange, and hired labor valued at prevailing hired wage rates.<sup>3</sup>Includes rental values of housing, personal property, utilities, drinks, snacks, and field toilets.<sup>4</sup>Includes custom costs if they could not be separated.<sup>5</sup>Includes plant bed seed, fertilizer, pesticides, fumigants, and purchased plants.<sup>6</sup>Includes insecticides, herbicides, fungicides, pesticides, and growth regulators. Also includes custom costs if they could not be separated.<sup>7</sup>Includes tractors, machinery and irrigation fuel, and lubrication.<sup>8</sup>Includes cost of LP gas, fuel oil, or diesel, and electricity used to cure tobacco.<sup>9</sup>Includes machinery, equipment, irrigation, and barn repairs.<sup>10</sup>Includes cover crop seed, sticks, and twine.<sup>11</sup>Weighted average of cash and share rents.

Source: Economic Research Service, U.S. Department of Agriculture.

**Table 8-12B—Burley tobacco production cash costs and returns, 1995-96**

| Item   | 1995     | 1996     |
|--|----------|----------|
| <i>Dollars per planted acre</i>              |          |          |
| Gross value of production                    | 3,371.00 | 3,847.53 |
| Cash expenses:                               |          |          |
| Seed and plant bed <sup>1, 2</sup>           | 104.65   | 103.80   |
| Fertilizer                                   | 279.68   | 305.84   |
| Chemicals                                    | 94.54    | 97.83    |
| Custom operations                            | 10.82    | 12.90    |
| Fuel, lube, and electricity <sup>3</sup>     | 63.57    | 73.35    |
| Repairs <sup>4</sup>                         | 68.57    | 70.41    |
| Hired labor <sup>5</sup>                     | 398.99   | 421.80   |
| Marketing expenses <sup>6</sup>              | 210.41   | 238.67   |
| Other variable cash expenses <sup>7</sup>    | 17.31    | 18.74    |
| Total, variable cash expenses                | 1,248.54 | 1,343.34 |
| General farm overhead                        | 206.42   | 163.48   |
| Taxes and insurance                          | 45.21    | 40.13    |
| Interest                                     | 77.24    | 64.50    |
| Total, fixed cash expenses                   | 328.87   | 268.11   |
| Total, cash expenses                         | 1,577.41 | 1,611.45 |
| Gross value of production less cash expenses | 1,793.59 | 2,236.08 |

**Table 8-12C—Burley tobacco production economic costs and returns, 1995-96**

| Item                                    | 1995     | 1996     |
|---|----------|----------|
| <i>Dollars per planted acre</i>         |          |          |
| Gross value of production:              |          |          |
| Burley tobacco                          | 3,371.00 | 3,847.53 |
| Total, gross value of production        | 3,371.00 | 3,847.53 |
| Economic (full ownership) costs:        |          |          |
| Variable cash expenses                  | 1,248.54 | 1,343.34 |
| General farm overhead                   | 206.42   | 163.48   |
| Taxes and insurance                     | 45.21    | 40.13    |
| Capital replacement                     | 97.91    | 91.07    |
| Operating capital                       | 34.16    | 34.19    |
| Other nonland capital                   | 118.29   | 104.28   |
| Land and quota <sup>8</sup>             | 955.33   | 1,008.22 |
| Unpaid labor <sup>9</sup>               | 553.55   | 585.19   |
| Total, economic (full ownership) costs  | 3,259.41 | 3,369.90 |
| Residual returns to management and risk | 111.59   | 477.63   |
| Harvest-period price (dollars/lb)       | 1.845    | 1.920    |
| Yield (lbs/planted acre)                | 1,827    | 2,004    |

<sup>1</sup>Includes seeds, purchased plants, fiber, plastic and/or canvas covers, potting soil, tray, tubes, wood, etc.

<sup>2</sup>Excludes chemicals, fertilizers, fuels, lubricants, and utilities.

<sup>3</sup>Includes cost of LP gas, gasoline, diesel fuels, and lubricants used for tractors, trucks, machinery, and irrigation equipment. Also includes fuel cost for heating barns and sheds.

<sup>4</sup>Includes costs of repairs for machinery, equipment, irrigation, and burley tobacco-related buildings.

<sup>5</sup>Includes hired labor valued at prevailing hired wage rates and cash and noncash benefits.

<sup>6</sup>Includes marketing assessments and fees, no-net cost, inspection, and grading.

<sup>7</sup>Includes items, such as sticks, twine, grading boxes, and baling supplies.

<sup>8</sup>Weighted average of cash and share rented quota.

<sup>9</sup>Includes operator, partner, and family unpaid labor.

Source: Economic Research Service, U.S. Department of Agriculture.

## Cash Costs Up 6 Percent

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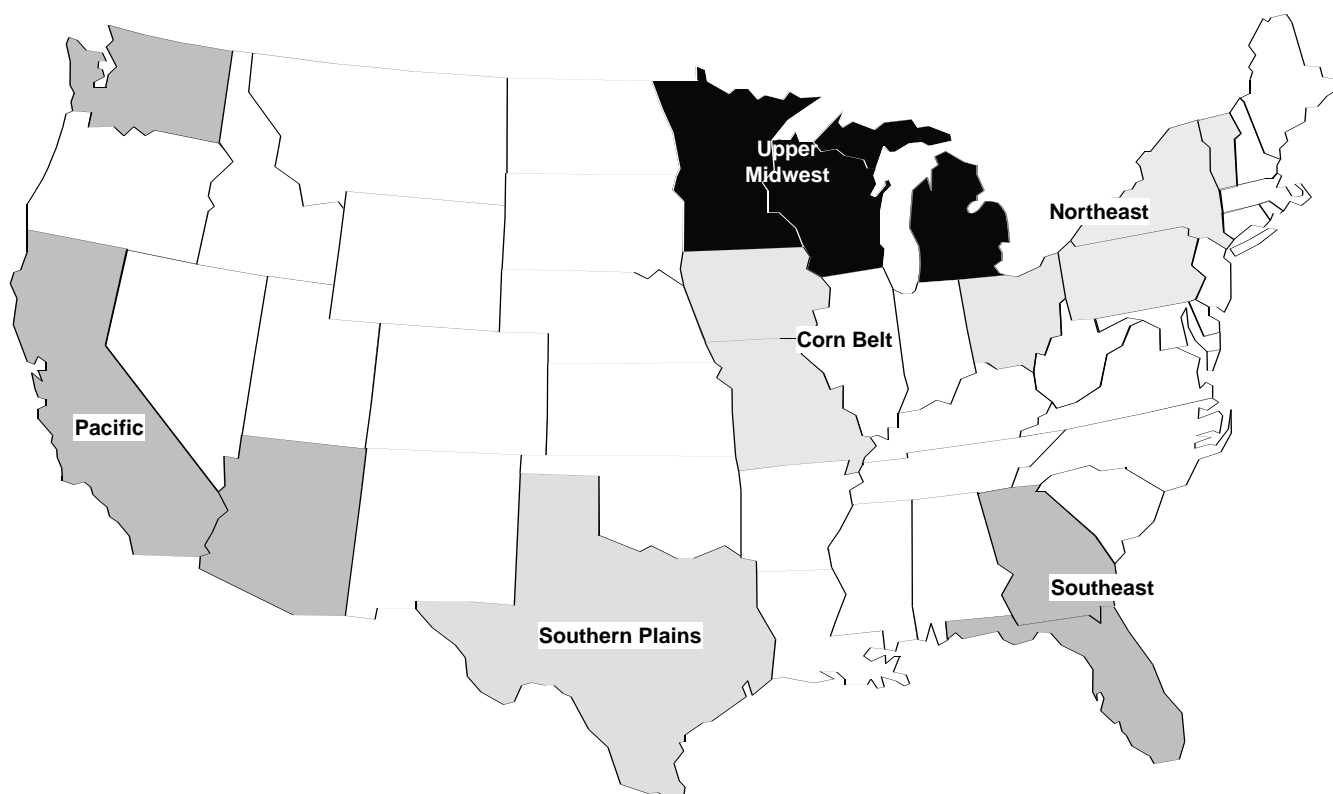
Cash and economic costs of producing 100 pounds (cwt) of milk in the United States in 1996 were up 6 and 3 percent, respectively, from 1995. Most of the increase was due to higher feed costs. Obtaining enough quality forage for the existing herd was a challenge over much of the country. Even concentrate availability became a factor. Very low grain stocks meant no guarantee of a steady flow of concentrate ration of a reasonably constant composition. Supplies of high-quality alfalfa were also very tight. Although 1995 alfalfa production was large, a relatively small share was dairy quality. By the spring of 1996, stocks of good forage were largely exhausted. Cool, wet weather over much of the country delayed hay and pasture development and slashed quality. Later cuttings also had widespread quality problems. High concentrate prices magnified the forage quality problems.

Nevertheless, higher milk prices in 1996 outpaced the increase in costs of grain and other concentrates. Higher milk prices helped boost 1996 returns to dairy farms, particularly for producers who grew their own feed grains or who priced their feed ahead. The U.S. gross value of production less cash expenses rose more than \$1 per cwt from 1995. While residual returns to management and risk remained negative, they also posted an improvement of more than \$1 from 1995.

Cash production costs varied by region. In 1996, the Southeast continued to see the highest cost, averaging \$14.92 per cwt of milk sold, while the Pacific region again saw the lowest costs, averaging \$11.20 per cwt. All six regions saw a substantial increase in feed costs from 1995 to 1996.

Residual returns to management and risk improved in all six regions. However, only the Pacific region's returns were positive.

Figure 8-13  
**Milk production regions**



Notes: Shading and patterns indicate production regions where producers were surveyed in 1993 about production practices and costs of production. Production regions are defined for each crop based on common cultural practices.



**Table 8-13A—Milk production cash costs and returns, 1995-96**

| Item   | United States |       | Northeast |       | Southeast |       | Upper Midwest |       | Corn Belt |       | Southern Plains |       | Pacific |       |
|--|---------------|-------|-----------|-------|-----------|-------|---------------|-------|-----------|-------|-----------------|-------|---------|-------|
|  | 1995          | 1996  | 1995      | 1996  | 1995      | 1996  | 1995          | 1996  | 1995      | 1996  | 1995            | 1996  | 1995    | 1996  |
| <i>Dollars per cwt</i>                       |               |       |           |       |           |       |               |       |           |       |                 |       |         |       |
| Gross value of production:                   |               |       |           |       |           |       |               |       |           |       |                 |       |         |       |
| Milk   | 12.80         | 14.78 | 13.26     | 15.19 | 14.94     | 17.41 | 12.83         | 14.74 | 12.91     | 14.88 | 13.00           | 15.10 | 11.91   | 13.89 |
| Cattle                                       | 0.87          | 0.78  | 0.78      | 0.69  | 0.99      | 0.86  | 1.00          | 0.89  | 1.10      | 0.97  | 0.88            | 0.79  | 0.64    | 0.57  |
| Other income <sup>1</sup>                    | 0.60          | 0.61  | 0.50      | 0.51  | 0.49      | 0.50  | 0.76          | 0.77  | 0.51      | 0.52  | 0.41            | 0.40  | 0.55    | 0.57  |
| Total, gross value of production             | 14.27         | 16.17 | 14.54     | 16.39 | 16.42     | 18.77 | 14.59         | 16.40 | 14.52     | 16.37 | 14.29           | 16.29 | 13.10   | 15.03 |
| Cash expenses:                               |               |       |           |       |           |       |               |       |           |       |                 |       |         |       |
| Feed—  |               |       |           |       |           |       |               |       |           |       |                 |       |         |       |
| Concentrates                                 | 3.51          | 4.09  | 3.48      | 4.04  | 5.26      | 5.89  | 3.53          | 4.19  | 3.77      | 4.47  | 4.59            | 5.86  | 2.89    | 3.13  |
| Byproducts                                   | 0.21          | 0.21  | 0.04      | 0.04  | 0.46      | 0.45  | 0.11          | 0.11  | 0.24      | 0.25  | 0.18            | 0.19  | 0.43    | 0.43  |
| Liquid whey                                  | 0.12          | 0.13  | 0.13      | 0.14  | 0.04      | 0.05  | 0.15          | 0.16  | 0.22      | 0.24  | 0.01            | 0.01  | 0.04    | 0.04  |
| Hay  | 1.45          | 1.60  | 1.29      | 1.37  | 0.65      | 0.69  | 0.98          | 1.04  | 1.48      | 1.80  | 2.02            | 2.81  | 2.28    | 2.45  |
| Silage                                       | 1.25          | 1.37  | 1.76      | 1.84  | 0.93      | 0.98  | 1.41          | 1.51  | 1.15      | 1.46  | 0.10            | 0.14  | 0.91    | 1.00  |
| Pasture and other forage                     | 0.12          | 0.13  | 0.03      | 0.03  | 0.07      | 0.06  | 0.13          | 0.16  | 0.11      | 0.13  | 0.07            | 0.08  | 0.19    | 0.20  |
| Total, feed costs                            | 6.66          | 7.53  | 6.73      | 7.46  | 7.41      | 8.12  | 6.31          | 7.17  | 6.97      | 8.35  | 6.97            | 9.09  | 6.74    | 7.25  |
| Other—                                       |               |       |           |       |           |       |               |       |           |       |                 |       |         |       |
| Hauling                                      | 0.46          | 0.44  | 0.75      | 0.68  | 0.96      | 0.96  | 0.26          | 0.25  | 0.43      | 0.43  | 0.61            | 0.59  | 0.41    | 0.39  |
| Artificial insemination                      | 0.15          | 0.14  | 0.21      | 0.20  | 0.12      | 0.12  | 0.16          | 0.15  | 0.12      | 0.12  | 0.05            | 0.05  | 0.12    | 0.11  |
| Veterinary and medicine                      | 0.38          | 0.36  | 0.49      | 0.44  | 0.49      | 0.49  | 0.44          | 0.43  | 0.40      | 0.40  | 0.20            | 0.19  | 0.21    | 0.20  |
| Bedding and litter                           | 0.24          | 0.23  | 0.38      | 0.37  | 0.01      | 0.00  | 0.32          | 0.31  | 0.32      | 0.32  | 0.00            | 0.00  | 0.05    | 0.05  |
| Marketing                                    | 0.38          | 0.36  | 0.49      | 0.45  | 0.53      | 0.53  | 0.26          | 0.25  | 0.31      | 0.31  | 0.27            | 0.26  | 0.47    | 0.44  |
| Custom services and supplies                 | 0.43          | 0.42  | 0.60      | 0.54  | 0.65      | 0.65  | 0.34          | 0.34  | 0.38      | 0.38  | 0.32            | 0.31  | 0.42    | 0.40  |
| Fuel, lube, and electricity                  | 0.49          | 0.53  | 0.65      | 0.70  | 0.31      | 0.34  | 0.57          | 0.62  | 0.52      | 0.58  | 0.44            | 0.49  | 0.27    | 0.28  |
| Machinery and building repairs               | 0.78          | 0.76  | 0.95      | 0.93  | 0.63      | 0.63  | 1.04          | 1.01  | 0.91      | 0.87  | 0.44            | 0.43  | 0.31    | 0.30  |
| Hired labor                                  | 0.64          | 0.62  | 0.64      | 0.61  | 1.36      | 1.35  | 0.58          | 0.56  | 0.64      | 0.61  | 0.81            | 0.78  | 0.57    | 0.56  |
| DHIA fees                                    | 0.08          | 0.07  | 0.11      | 0.10  | 0.05      | 0.05  | 0.07          | 0.07  | 0.07      | 0.07  | 0.05            | 0.05  | 0.07    | 0.07  |
| Dairy assessment                             | 0.16          | 0.03  | 0.16      | 0.03  | 0.16      | 0.03  | 0.16          | 0.03  | 0.16      | 0.03  | 0.16            | 0.03  | 0.16    | 0.03  |
| Total, variable cash expenses                | 10.85         | 11.49 | 12.16     | 12.51 | 12.68     | 13.27 | 10.51         | 11.19 | 11.23     | 12.47 | 10.32           | 12.27 | 9.80    | 10.08 |
| General farm overhead                        | 0.54          | 0.53  | 0.55      | 0.53  | 0.66      | 0.63  | 0.67          | 0.65  | 0.59      | 0.56  | 0.47            | 0.45  | 0.34    | 0.34  |
| Taxes and insurance                          | 0.29          | 0.33  | 0.40      | 0.44  | 0.33      | 0.37  | 0.38          | 0.43  | 0.27      | 0.31  | 0.15            | 0.16  | 0.12    | 0.13  |
| Interest                                     | 0.83          | 0.85  | 0.77      | 0.79  | 0.58      | 0.60  | 1.14          | 1.16  | 0.70      | 0.71  | 0.59            | 0.60  | 0.63    | 0.64  |
| Total, fixed cash expenses                   | 1.66          | 1.71  | 1.72      | 1.76  | 1.57      | 1.60  | 2.19          | 2.24  | 1.56      | 1.58  | 1.21            | 1.21  | 1.09    | 1.11  |
| Total, cash expenses                         | 12.51         | 13.20 | 13.88     | 14.27 | 14.25     | 14.87 | 12.70         | 13.43 | 12.79     | 14.05 | 11.53           | 13.48 | 10.89   | 11.19 |
| Gross value of production less cash expenses | 1.76          | 2.97  | 0.66      | 2.12  | 2.17      | 3.90  | 1.89          | 2.97  | 1.73      | 2.32  | 2.76            | 2.81  | 2.21    | 3.84  |

**Table 8-13B—Milk production economic costs and returns, 1995-96**

| Item                                    | United States |       | Northeast |       | Southeast |       | Upper Midwest |       | Corn Belt |       | Southern Plains |       | Pacific |       |
|---|---------------|-------|-----------|-------|-----------|-------|---------------|-------|-----------|-------|-----------------|-------|---------|-------|
|   | 1995          | 1996  | 1995      | 1996  | 1995      | 1996  | 1995          | 1996  | 1995      | 1996  | 1995            | 1996  | 1995    | 1996  |
| <i>Dollars per cwt</i>                  |               |       |           |       |           |       |               |       |           |       |                 |       |         |       |
| Gross value of production:              |               |       |           |       |           |       |               |       |           |       |                 |       |         |       |
| Milk                                    | 12.80         | 14.78 | 13.26     | 15.19 | 14.94     | 17.41 | 12.83         | 14.74 | 12.91     | 14.88 | 13.00           | 15.10 | 11.91   | 13.89 |
| Cattle                                  | 0.87          | 0.78  | 0.78      | 0.69  | 0.99      | 0.86  | 1.00          | 0.89  | 1.10      | 0.97  | 0.88            | 0.79  | 0.64    | 0.57  |
| Other income <sup>1</sup>               | 0.60          | 0.61  | 0.50      | 0.51  | 0.49      | 0.50  | 0.76          | 0.77  | 0.51      | 0.52  | 0.41            | 0.40  | 0.55    | 0.57  |
| Total, gross value of production        | 14.27         | 16.17 | 14.54     | 16.39 | 16.42     | 18.77 | 14.59         | 16.40 | 14.52     | 16.37 | 14.29           | 16.29 | 13.10   | 15.03 |
| Economic (full ownership) costs:        |               |       |           |       |           |       |               |       |           |       |                 |       |         |       |
| Variable cash expenses                  | 10.85         | 11.49 | 12.16     | 12.51 | 12.68     | 13.27 | 10.51         | 11.19 | 11.23     | 12.47 | 10.32           | 12.27 | 9.80    | 10.08 |
| General farm overhead                   | 0.54          | 0.53  | 0.55      | 0.53  | 0.66      | 0.63  | 0.67          | 0.65  | 0.59      | 0.56  | 0.47            | 0.45  | 0.34    | 0.34  |
| Taxes and insurance                     | 0.29          | 0.33  | 0.40      | 0.44  | 0.33      | 0.37  | 0.38          | 0.43  | 0.27      | 0.31  | 0.15            | 0.16  | 0.12    | 0.13  |
| Capital replacement                     | 2.07          | 2.01  | 2.09      | 2.02  | 2.56      | 2.54  | 2.41          | 2.34  | 2.18      | 2.07  | 2.19            | 2.10  | 1.42    | 1.40  |
| Operating capital                       | 0.10          | 0.10  | 0.12      | 0.11  | 0.12      | 0.12  | 0.10          | 0.10  | 0.11      | 0.11  | 0.10            | 0.10  | 0.09    | 0.08  |
| Other nonland capital                   | 0.94          | 0.87  | 0.91      | 0.83  | 1.66      | 1.55  | 1.08          | 0.99  | 0.95      | 0.85  | 0.96            | 0.87  | 0.65    | 0.61  |
| Land                                    | 0.01          | 0.00  | 0.00      | 0.00  | 0.00      | 0.00  | 0.01          | 0.00  | 0.01      | 0.01  | 0.00            | 0.00  | 0.01    | 0.01  |
| Unpaid labor                            | 1.85          | 1.80  | 2.66      | 2.56  | 0.33      | 0.32  | 2.23          | 2.15  | 3.19      | 3.00  | 0.93            | 0.90  | 0.45    | 0.45  |
| Total, economic (full ownership) costs  | 16.65         | 17.13 | 18.89     | 19.00 | 18.34     | 18.80 | 17.39         | 17.85 | 18.53     | 19.38 | 15.12           | 16.85 | 12.88   | 13.10 |
| Residual returns to management and risk | -2.38         | -0.96 | -4.35     | -2.61 | -1.92     | -0.03 | -2.80         | -1.45 | -4.01     | -3.01 | -0.83           | -0.56 | 0.22    | 1.93  |

<sup>1</sup>Includes the dairy's share of receipts from cooperative patronage dividends, assessment refunds, renting or leasing of dairy animals, the estimated value of manure as a fertilizer, and insurance indemnity payments.

Source: Economic Research Service, U.S. Department of Agriculture.

## Higher Hog Prices Mostly Offset by Higher Feed Costs in 1996

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Higher hog prices during 1996 led to an increased value of hog production that was mostly offset by higher feed costs. Market hog prices ranged from \$50 to \$60 per cwt during much of 1996, up from \$40 to \$50 in 1995. Feeder pig prices were also up sharply from 1995 levels, mostly in the \$70-\$80 range. However, the higher corn and soybean prices that benefited crop producers offset much of the additional income from higher hog prices. Feed costs rose about 30 percent for all producer types. Average returns above cash costs improved for market hog producers, but changed little for feeder pig operations. Residual returns to management and risk changed little among hog producers and remained negative as they have since 1992. Negative average farm returns to resources used in the hog sector help explain the continually declining number of hog operations.

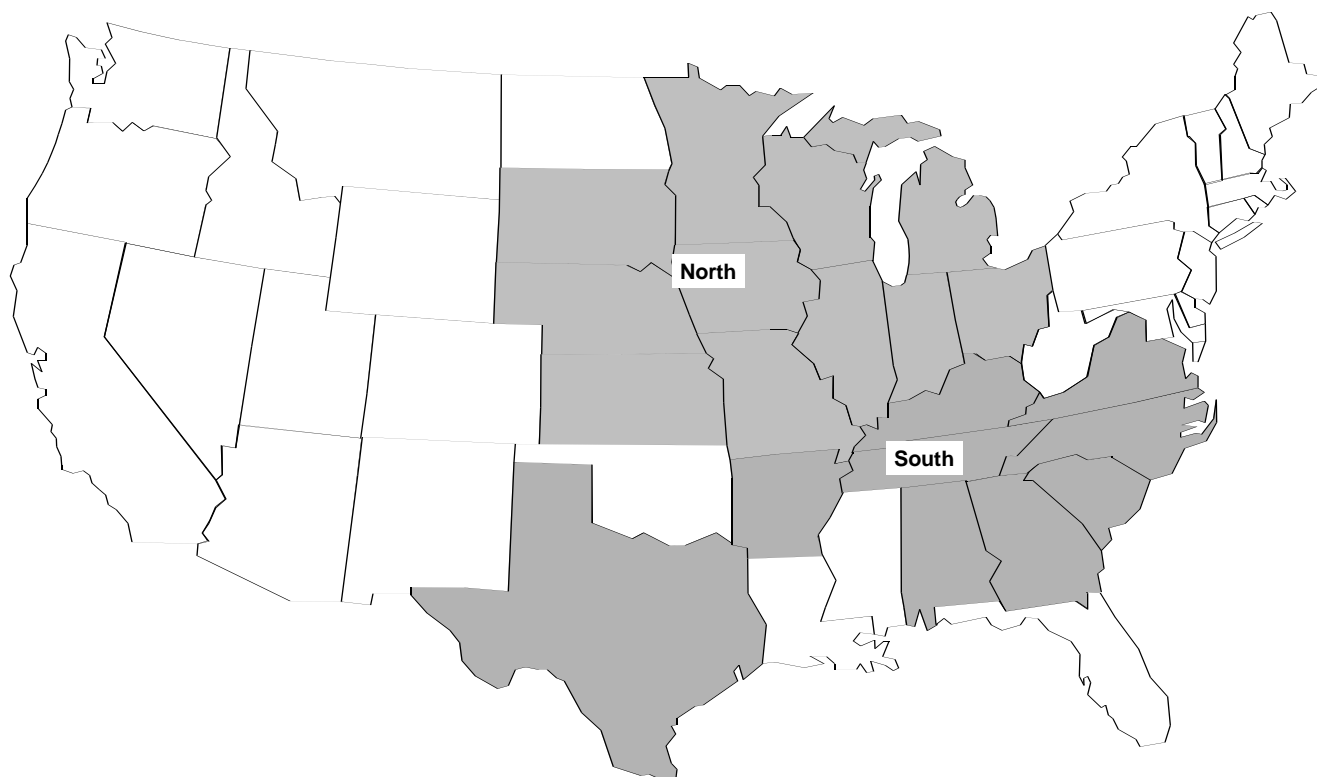
Farrow-to-finish hog producers in both the North and South benefited from much higher market hog prices in 1996, but paid higher feed costs. Feed costs were up about 30 percent in both regions as corn and soybean prices soared. However, the greater value of hog production improved both cash and residual returns to farrow-to-finish production in both regions. Southern producers pay more for feed than northern producers, due mainly to fewer local supplies, but have similar returns because of somewhat higher production values. Much of this is due to a positive inventory change in the South, indicating expanded production, compared with a decline in the North.

Despite higher feeder pig prices in 1996, returns to feeder pig production were down in both the North and South as feeder pigs continued to be the lowest returning hog enterprise. Feeder pig prices in the South lagged those in the North, where the value of feeder pig production rose nearly 20 percent compared with only 10 percent in the South. However, higher feed costs offset much of the increased value in both regions. Cash returns in 1996 were mostly unchanged from 1995, but returns above economic costs were about \$3 per cwt lower among northern growers, and \$8 lower in the South. Continued poor returns to feeder pig production suggest a greater decline in this specialty relative to other hog producer types.

In contrast to feeder pig production, feeder pig finishing produced improved returns in 1996, particularly in the South. Higher market hog prices pushed the value of finished hogs up 25 percent in both the North and South. Higher feed costs were somewhat offsetting, but cash and economic returns to feeder pig finishing moved higher in both regions. Cash returns improved nearly \$3 per cwt in the North and nearly \$9 in the South. Likewise, returns above economic costs were up about \$1 in the North, but more than \$7 in the South. Newer, larger, and more efficient operations characterize hog finishing in the South and likely account for the region's lower costs. Among all hog enterprises, only feeder pig finishing in the South showed a positive residual return to management and risk at about \$5 per cwt. This helps explain the continued growth of contract hog finishing in the South relative to other hog enterprises.

Figure 8-14

### Hog production regions



Notes: Shading and patterns indicate production regions where producers were surveyed in 1992 about production practices and costs of production.

**Table 8-14A—Hog production cash costs and returns, 1995-96**

| Item   | United States |       | North |       | South |       |
|--|---------------|-------|-------|-------|-------|-------|
|  | 1995          | 1996  | 1995  | 1996  | 1995  | 1996  |
| <i>Dollars per cwt gain<sup>1</sup></i>      |               |       |       |       |       |       |
| Gross value of production:                   |               |       |       |       |       |       |
| Market hogs                                  | 38.45         | 48.87 | 38.03 | 48.31 | 40.01 | 50.69 |
| Feeder pigs                                  | 4.57          | 5.17  | 4.58  | 5.28  | 4.55  | 4.83  |
| Cull stock                                   | 2.22          | 3.02  | 2.19  | 3.02  | 2.31  | 3.04  |
| Breeding stock                               | 2.01          | 2.63  | 2.19  | 2.92  | 1.35  | 1.69  |
| Inventory change                             | -0.20         | -0.84 | -0.58 | -1.38 | 1.20  | 0.94  |
| Other income <sup>2</sup>                    | 1.32          | 1.31  | 1.42  | 1.43  | 0.93  | 0.93  |
| Total, gross value of production             | 48.37         | 60.16 | 47.83 | 59.58 | 50.35 | 62.12 |
| Cash expenses:                               |               |       |       |       |       |       |
| Feed—  |               |       |       |       |       |       |
| Grain  | 12.28         | 17.25 | 12.58 | 17.86 | 11.20 | 15.24 |
| Protein sources                              | 7.96          | 10.48 | 8.34  | 11.29 | 6.56  | 7.82  |
| Complete mixes                               | 5.83          | 7.08  | 4.74  | 5.67  | 9.78  | 11.70 |
| Other feed items <sup>3</sup>                | 0.56          | 0.67  | 0.66  | 0.80  | 0.20  | 0.22  |
| Total, feed costs                            | 26.63         | 35.48 | 26.32 | 35.62 | 27.74 | 34.98 |
| Other—                                       |               |       |       |       |       |       |
| Feeder pigs                                  | 3.31          | 3.81  | 3.04  | 3.58  | 4.31  | 4.58  |
| Veterinary and medicine                      | 1.41          | 1.41  | 1.55  | 1.57  | 0.89  | 0.89  |
| Bedding and litter                           | 0.08          | 0.08  | 0.10  | 0.10  | 0.02  | 0.02  |
| Marketing                                    | 0.59          | 0.59  | 0.55  | 0.56  | 0.72  | 0.70  |
| Custom services and supplies                 | 0.50          | 0.51  | 0.46  | 0.47  | 0.63  | 0.64  |
| Fuel, lube, and electricity                  | 1.58          | 1.83  | 1.56  | 1.84  | 1.65  | 1.78  |
| Repairs                                      | 1.40          | 1.41  | 1.43  | 1.45  | 1.28  | 1.28  |
| Hired labor                                  | 2.55          | 2.74  | 2.54  | 2.78  | 2.56  | 2.63  |
| Total, variable cash expenses                | 38.05         | 47.86 | 37.55 | 47.97 | 39.80 | 47.50 |
| General farm overhead                        | 1.91          | 1.59  | 2.07  | 1.72  | 1.35  | 1.14  |
| Taxes and insurance                          | 1.06          | 1.03  | 1.09  | 1.06  | 0.98  | 0.95  |
| Interest                                     | 3.00          | 2.65  | 3.25  | 2.90  | 2.07  | 1.83  |
| Total, fixed cash expenses                   | 5.97          | 5.27  | 6.41  | 5.68  | 4.40  | 3.92  |
| Total, cash expenses                         | 44.02         | 53.13 | 43.96 | 53.65 | 44.20 | 51.42 |
| Gross value of production less cash expenses | 4.35          | 7.03  | 3.87  | 5.93  | 6.15  | 10.70 |

**Table 8-14B—Hog production economic costs and returns, 1995-96**

| Item                                    | United States |        | North  |        | South  |        |
|---|---------------|--------|--------|--------|--------|--------|
|   | 1995          | 1996   | 1995   | 1996   | 1995   | 1996   |
| <i>Dollars per cwt gain<sup>1</sup></i> |               |        |        |        |        |        |
| Gross value of production:              |               |        |        |        |        |        |
| Market hogs                             | 38.45         | 48.87  | 38.03  | 48.31  | 40.01  | 50.69  |
| Feeder pigs                             | 4.57          | 5.17   | 4.58   | 5.28   | 4.55   | 4.83   |
| Cull stock                              | 2.22          | 3.02   | 2.19   | 3.02   | 2.31   | 3.04   |
| Breeding stock                          | 2.01          | 2.63   | 2.19   | 2.92   | 1.35   | 1.69   |
| Inventory change                        | -0.20         | -0.84  | -0.58  | -1.38  | 1.20   | 0.94   |
| Other income <sup>2</sup>               | 1.32          | 1.31   | 1.42   | 1.43   | 0.93   | 0.93   |
| Total, gross value of production        | 48.37         | 60.16  | 47.83  | 59.58  | 50.35  | 62.12  |
| Economic (full ownership) costs:        |               |        |        |        |        |        |
| Variable cash expenses                  | 38.05         | 47.86  | 37.55  | 47.97  | 39.80  | 47.50  |
| General farm overhead                   | 1.91          | 1.59   | 2.07   | 1.72   | 1.35   | 1.14   |
| Taxes and insurance                     | 1.06          | 1.03   | 1.09   | 1.06   | 0.98   | 0.95   |
| Capital replacement                     | 11.26         | 11.76  | 11.15  | 11.49  | 11.69  | 12.64  |
| Operating capital                       | 1.06          | 1.22   | 1.05   | 1.22   | 1.11   | 1.21   |
| Other nonland capital                   | 4.09          | 4.07   | 3.93   | 3.84   | 4.70   | 4.83   |
| Land                                    | 0.21          | 0.22   | 0.24   | 0.25   | 0.12   | 0.13   |
| Unpaid labor                            | 4.93          | 5.17   | 5.15   | 5.48   | 4.12   | 4.16   |
| Total, economic (full ownership) costs  | 62.57         | 72.92  | 62.23  | 73.03  | 63.87  | 72.56  |
| Residual returns to management and risk | -14.20        | -12.76 | -14.40 | -13.45 | -13.52 | -10.44 |

<sup>1</sup>Cwt gain = (cwt sold - cwt purchased) + cwt inventory change.<sup>2</sup>Value of manure production.<sup>3</sup>Milk replacer, milk, milk byproducts, antibiotics, and other medicated additives.

Source: Economic Research Service, U.S. Department of Agriculture.

**Table 8-15A—Farrow-to-finish production cash costs and returns, 1995-96**

| Item   | United States |       | North |       | South |       |
|--|---------------|-------|-------|-------|-------|-------|
|  | 1995          | 1996  | 1995  | 1996  | 1995  | 1996  |
| <i>Dollars per cwt gain<sup>1</sup></i>      |               |       |       |       |       |       |
| Gross value of production:                   |               |       |       |       |       |       |
| Market hogs                                  | 39.76         | 50.37 | 39.60 | 50.18 | 40.39 | 51.03 |
| Feeder pigs                                  | 0.41          | 0.46  | 0.39  | 0.45  | 0.48  | 0.51  |
| Cull stock                                   | 2.06          | 2.83  | 2.16  | 2.99  | 1.65  | 2.25  |
| Breeding stock                               | 0.17          | 0.24  | 0.14  | 0.21  | 0.26  | 0.35  |
| Inventory change                             | -0.26         | -0.95 | -0.61 | -1.42 | 1.09  | 0.73  |
| Other income <sup>2</sup>                    | 1.38          | 1.38  | 1.48  | 1.48  | 1.00  | 1.00  |
| Total, gross value of production             | 43.52         | 54.33 | 43.16 | 53.89 | 44.87 | 55.87 |
| Cash expenses:                               |               |       |       |       |       |       |
| Feed—  |               |       |       |       |       |       |
| Grain  | 12.85         | 18.14 | 12.61 | 17.94 | 13.74 | 18.85 |
| Protein sources                              | 8.68          | 11.48 | 8.70  | 11.81 | 8.60  | 10.31 |
| Complete mixes                               | 4.19          | 5.12  | 3.50  | 4.23  | 6.86  | 8.28  |
| Other feed items <sup>3</sup>                | 0.54          | 0.64  | 0.61  | 0.73  | 0.28  | 0.32  |
| Total, feed costs                            | 26.26         | 35.38 | 25.42 | 34.71 | 29.48 | 37.76 |
| Other—                                       |               |       |       |       |       |       |
| Feeder pigs                                  | 0.13          | 0.15  | 0.15  | 0.18  | 0.05  | 0.05  |
| Veterinary and medicine                      | 1.22          | 1.25  | 1.29  | 1.32  | 0.98  | 0.98  |
| Bedding and litter                           | 0.06          | 0.06  | 0.07  | 0.07  | 0.02  | 0.02  |
| Marketing                                    | 0.47          | 0.48  | 0.45  | 0.46  | 0.56  | 0.54  |
| Custom services and supplies                 | 0.42          | 0.43  | 0.40  | 0.40  | 0.51  | 0.51  |
| Fuel, lube, and electricity                  | 1.50          | 1.75  | 1.44  | 1.72  | 1.73  | 1.88  |
| Repairs                                      | 1.38          | 1.40  | 1.40  | 1.42  | 1.33  | 1.34  |
| Hired labor                                  | 2.29          | 2.52  | 2.18  | 2.45  | 2.68  | 2.75  |
| Total, variable cash expenses                | 33.73         | 43.42 | 32.80 | 42.73 | 37.34 | 45.83 |
| General farm overhead                        | 1.70          | 1.41  | 1.80  | 1.50  | 1.31  | 1.11  |
| Taxes and insurance                          | 0.96          | 0.94  | 0.98  | 0.96  | 0.88  | 0.85  |
| Interest                                     | 2.68          | 2.38  | 2.91  | 2.61  | 1.77  | 1.55  |
| Total, fixed cash expenses                   | 5.34          | 4.73  | 5.69  | 5.07  | 3.96  | 3.51  |
| Total, cash expenses                         | 39.07         | 48.15 | 38.49 | 47.80 | 41.30 | 49.34 |
| Gross value of production less cash expenses | 4.45          | 6.18  | 4.67  | 6.09  | 3.57  | 6.53  |

**Table 8-15B—Farrow-to-finish production economic costs and returns, 1995-96**

| Item                                    | United States |        | North  |        | South  |        |
|---|---------------|--------|--------|--------|--------|--------|
|   | 1995          | 1996   | 1995   | 1996   | 1995   | 1996   |
| <i>Dollars per cwt gain<sup>1</sup></i> |               |        |        |        |        |        |
| Market hogs                             | 39.76         | 50.37  | 39.60  | 50.18  | 40.39  | 51.03  |
| Feeder pigs                             | 0.41          | 0.46   | 0.39   | 0.45   | 0.48   | 0.51   |
| Cull stock                              | 2.06          | 2.83   | 2.16   | 2.99   | 1.65   | 2.25   |
| Breeding stock                          | 0.17          | 0.24   | 0.14   | 0.21   | 0.26   | 0.35   |
| Inventory change                        | -0.26         | -0.95  | -0.61  | -1.42  | 1.09   | 0.73   |
| Other income <sup>2</sup>               | 1.38          | 1.38   | 1.48   | 1.48   | 1.00   | 1.00   |
| Total, gross value of production        | 43.52         | 54.33  | 43.16  | 53.89  | 44.87  | 55.87  |
| Economic (full ownership) costs:        |               |        |        |        |        |        |
| Variable cash expenses                  | 33.73         | 43.42  | 32.80  | 42.73  | 37.34  | 45.83  |
| General farm overhead                   | 1.70          | 1.41   | 1.80   | 1.50   | 1.31   | 1.11   |
| Taxes and insurance                     | 0.96          | 0.94   | 0.98   | 0.96   | 0.88   | 0.85   |
| Capital replacement                     | 10.95         | 11.37  | 10.90  | 11.19  | 11.13  | 12.01  |
| Operating capital                       | 0.94          | 1.11   | 0.92   | 1.09   | 1.04   | 1.16   |
| Other nonland capital                   | 3.98          | 3.94   | 3.87   | 3.78   | 4.40   | 4.51   |
| Land                                    | 0.22          | 0.23   | 0.24   | 0.26   | 0.12   | 0.13   |
| Unpaid labor                            | 4.75          | 4.97   | 4.90   | 5.18   | 4.16   | 4.22   |
| Total, economic (full ownership) costs  | 57.23         | 67.39  | 56.41  | 66.69  | 60.38  | 69.82  |
| Residual returns to management and risk | -13.71        | -13.06 | -13.25 | -12.80 | -15.51 | -13.95 |

<sup>1</sup>Cwt gain = (cwt sold - cwt purchased) + cwt inventory change.<sup>2</sup>Value of manure production.<sup>3</sup>Milk replacer, milk, milk byproducts, antibiotics, and other medicated additives.

Source: Economic Research Service, U.S. Department of Agriculture.

**Table 8-16A—Farrow-to-feeder pig production cash costs and returns, 1995-96**

| Item   | United States |       | North |       | South  |        |
|--|---------------|-------|-------|-------|--------|--------|
|  | 1995          | 1996  | 1995  | 1996  | 1995   | 1996   |
| <i>Dollars per cwt gain<sup>1</sup></i>      |               |       |       |       |        |        |
| Gross value of production:                   |               |       |       |       |        |        |
| Market hogs                                  | 0.92          | 1.16  | 1.01  | 1.30  | 0.65   | 0.80   |
| Feeder pigs                                  | 62.08         | 72.12 | 62.46 | 74.52 | 60.95  | 65.74  |
| Cull stock                                   | 5.32          | 7.24  | 5.13  | 6.99  | 5.89   | 7.89   |
| Breeding stock                               | 0.11          | 0.15  | 0.13  | 0.18  | 0.06   | 0.07   |
| Inventory change                             | 0.02          | -0.48 | -0.23 | -0.89 | 0.78   | 0.61   |
| Other income <sup>2</sup>                    | 1.43          | 1.45  | 1.47  | 1.50  | 1.29   | 1.30   |
| Total, gross value of production             | 69.88         | 81.64 | 69.97 | 83.60 | 69.62  | 76.41  |
| Cash expenses:                               |               |       |       |       |        |        |
| Feed—  |               |       |       |       |        |        |
| Grain  | 14.19         | 19.86 | 16.68 | 23.93 | 6.71   | 9.01   |
| Protein sources                              | 8.33          | 10.75 | 9.60  | 12.77 | 4.50   | 5.37   |
| Complete mixes                               | 15.19         | 19.26 | 10.25 | 12.77 | 30.02  | 36.55  |
| Other feed items <sup>3</sup>                | 0.68          | 0.81  | 0.85  | 1.04  | 0.17   | 0.19   |
| Total, feed costs                            | 38.39         | 50.68 | 37.38 | 50.51 | 41.40  | 51.12  |
| Other—                                       |               |       |       |       |        |        |
| Feeder pigs                                  | 0.03          | 0.04  | 0.04  | 0.06  | 0.01   | 0.01   |
| Veterinary and medicine                      | 4.89          | 4.78  | 5.67  | 5.60  | 2.56   | 2.60   |
| Bedding and litter                           | 0.20          | 0.21  | 0.26  | 0.27  | 0.04   | 0.04   |
| Marketing                                    | 2.76          | 2.85  | 2.34  | 2.45  | 4.03   | 3.92   |
| Custom services and supplies                 | 1.47          | 1.57  | 0.99  | 1.03  | 2.90   | 3.01   |
| Fuel, lube, and electricity                  | 4.67          | 5.38  | 4.59  | 5.39  | 4.89   | 5.36   |
| Repairs                                      | 2.90          | 2.90  | 3.16  | 3.21  | 2.11   | 2.06   |
| Hired labor                                  | 7.44          | 7.89  | 6.22  | 6.44  | 11.09  | 11.75  |
| Total, variable cash expenses                | 62.75         | 76.30 | 60.65 | 74.96 | 69.03  | 79.87  |
| General farm overhead                        | 3.44          | 2.94  | 3.44  | 2.94  | 3.44   | 2.93   |
| Taxes and insurance                          | 2.21          | 2.20  | 2.02  | 1.98  | 2.80   | 2.77   |
| Interest                                     | 5.91          | 5.38  | 5.37  | 4.82  | 7.51   | 6.87   |
| Total, fixed cash expenses                   | 11.56         | 10.52 | 10.83 | 9.74  | 13.75  | 12.57  |
| Total, cash expenses                         | 74.31         | 86.82 | 71.48 | 84.70 | 82.78  | 92.44  |
| Gross value of production less cash expenses | -4.43         | -5.18 | -1.51 | -1.10 | -13.16 | -16.03 |

**Table 8-16B—Farrow-to-feeder pig production economic costs and returns, 1995-96**

| Item                                    | United States |        | North  |        | South  |        |
|---|---------------|--------|--------|--------|--------|--------|
|   | 1995          | 1996   | 1995   | 1996   | 1995   | 1996   |
| <i>Dollars per cwt gain<sup>1</sup></i> |               |        |        |        |        |        |
| Gross value of production:              |               |        |        |        |        |        |
| Market hogs                             | 0.92          | 1.16   | 1.01   | 1.30   | 0.65   | 0.80   |
| Feeder pigs                             | 62.08         | 72.12  | 62.46  | 74.52  | 60.95  | 65.74  |
| Cull stock                              | 5.32          | 7.24   | 5.13   | 6.99   | 5.89   | 7.89   |
| Breeding stock                          | 0.11          | 0.15   | 0.13   | 0.18   | 0.06   | 0.07   |
| Inventory change                        | 0.02          | -0.48  | -0.23  | -0.89  | 0.78   | 0.61   |
| Other income <sup>2</sup>               | 1.43          | 1.45   | 1.47   | 1.50   | 1.29   | 1.30   |
| Total, gross value of production        | 69.88         | 81.64  | 69.97  | 83.60  | 69.62  | 76.41  |
| Economic (full ownership) costs:        |               |        |        |        |        |        |
| Variable cash expenses                  | 62.75         | 76.30  | 60.65  | 74.96  | 69.03  | 79.87  |
| General farm overhead                   | 3.44          | 2.94   | 3.44   | 2.94   | 3.44   | 2.93   |
| Taxes and insurance                     | 2.21          | 2.20   | 2.02   | 1.98   | 2.80   | 2.77   |
| Capital replacement                     | 25.13         | 27.25  | 22.93  | 24.11  | 31.73  | 35.58  |
| Operating capital                       | 1.75          | 1.94   | 1.70   | 1.91   | 1.93   | 2.03   |
| Other nonland capital                   | 8.46          | 8.70   | 7.59   | 7.54   | 11.06  | 11.77  |
| Land                                    | 0.44          | 0.48   | 0.44   | 0.47   | 0.44   | 0.49   |
| Unpaid labor                            | 10.48         | 11.38  | 10.76  | 11.96  | 9.64   | 9.84   |
| Total, economic (full ownership) costs  | 114.66        | 131.19 | 109.53 | 125.87 | 130.07 | 145.28 |
| Residual returns to management and risk | -44.78        | -49.55 | -39.56 | -42.27 | -60.45 | -68.87 |

<sup>1</sup>Cwt gain = (cwt sold - cwt purchased) + cwt inventory change.<sup>2</sup>Value of manure production.<sup>3</sup>Milk replacer, milk, milk byproducts, antibiotics, and other medicated additives.

Source: Economic Research Service, U.S. Department of Agriculture.

**Table 8-17A—Feeder pig-to-finish production cash costs and returns, 1995-96**

| Item   | United States |       | North |       | South |       |
|--|---------------|-------|-------|-------|-------|-------|
|  | 1995          | 1996  | 1995  | 1996  | 1995  | 1996  |
| <i>Dollars per cwt gain<sup>1</sup></i>      |               |       |       |       |       |       |
| Gross value of production:                   |               |       |       |       |       |       |
| Market hogs                                  | 52.82         | 66.89 | 53.00 | 67.24 | 52.41 | 66.20 |
| Feeder pigs                                  | 0.05          | 0.05  | 0.05  | 0.05  | 0.05  | 0.05  |
| Cull stock                                   | 0.02          | 0.03  | 0.01  | 0.01  | 0.04  | 0.06  |
| Breeding stock                               | 0.01          | 0.01  | 0.01  | 0.02  | 0.00  | 0.00  |
| Inventory change                             | 0.18          | -0.46 | -0.52 | -1.52 | 1.74  | 1.62  |
| Other income <sup>2</sup>                    | 1.06          | 1.05  | 1.30  | 1.32  | 0.51  | 0.51  |
| Total, gross value of production             | 54.14         | 67.57 | 53.85 | 67.12 | 54.75 | 68.44 |
| Cash expenses:                               |               |       |       |       |       |       |
| Feed—  |               |       |       |       |       |       |
| Grain  | 9.66          | 13.37 | 11.44 | 16.26 | 5.69  | 7.67  |
| Protein sources                              | 4.65          | 6.11  | 5.47  | 7.48  | 2.81  | 3.40  |
| Complete mixes                               | 8.33          | 9.89  | 6.60  | 7.65  | 12.22 | 14.32 |
| Other feed items <sup>3</sup>                | 0.32          | 0.39  | 0.45  | 0.55  | 0.05  | 0.06  |
| Total, feed costs                            | 22.96         | 29.76 | 23.96 | 31.94 | 20.77 | 25.45 |
| Other—                                       |               |       |       |       |       |       |
| Feeder pigs                                  | 17.71         | 20.11 | 17.94 | 21.22 | 17.19 | 17.91 |
| Veterinary and medicine                      | 0.75          | 0.73  | 0.95  | 0.95  | 0.30  | 0.29  |
| Bedding and litter                           | 0.11          | 0.11  | 0.16  | 0.16  | 0.00  | 0.00  |
| Marketing                                    | 0.44          | 0.44  | 0.45  | 0.45  | 0.42  | 0.41  |
| Custom services and supplies                 | 0.40          | 0.42  | 0.35  | 0.36  | 0.53  | 0.54  |
| Fuel, lube, and electricity                  | 0.76          | 0.86  | 0.75  | 0.88  | 0.78  | 0.83  |
| Repairs                                      | 0.90          | 0.90  | 1.02  | 1.04  | 0.62  | 0.61  |
| Hired labor                                  | 0.79          | 0.88  | 0.98  | 1.14  | 0.37  | 0.36  |
| Total, variable cash expenses                | 44.82         | 54.21 | 46.56 | 58.14 | 40.98 | 46.40 |
| General farm overhead                        | 1.60          | 1.32  | 1.81  | 1.52  | 1.11  | 0.93  |
| Taxes and insurance                          | 1.02          | 0.99  | 1.05  | 1.03  | 0.94  | 0.91  |
| Interest                                     | 3.12          | 2.75  | 3.58  | 3.21  | 2.10  | 1.84  |
| Total, fixed cash expenses                   | 5.74          | 5.06  | 6.44  | 5.76  | 4.15  | 3.68  |
| Total, cash expenses                         | 50.56         | 59.27 | 53.00 | 63.90 | 45.13 | 50.08 |
| Gross value of production less cash expenses | 3.58          | 8.30  | 0.85  | 3.22  | 9.62  | 18.36 |

**Table 8-17B—Feeder pig-to-finish production economic costs and returns, 1995-96**

| Item                                    | United States |       | North  |        | South |       |
|---|---------------|-------|--------|--------|-------|-------|
|   | 1995          | 1996  | 1995   | 1996   | 1995  | 1996  |
| <i>Dollars per cwt gain<sup>1</sup></i> |               |       |        |        |       |       |
| Gross value of production:              |               |       |        |        |       |       |
| Market hogs                             | 52.82         | 66.89 | 53.00  | 67.24  | 52.41 | 66.20 |
| Feeder pigs                             | 0.05          | 0.05  | 0.05   | 0.05   | 0.05  | 0.05  |
| Cull stock                              | 0.02          | 0.03  | 0.01   | 0.01   | 0.04  | 0.06  |
| Breeding stock                          | 0.01          | 0.01  | 0.01   | 0.02   | 0.00  | 0.00  |
| Inventory change                        | 0.18          | -0.46 | -0.52  | -1.52  | 1.74  | 1.62  |
| Other income <sup>2</sup>               | 1.06          | 1.05  | 1.30   | 1.32   | 0.51  | 0.51  |
| Total, gross value of production        | 54.14         | 67.57 | 53.85  | 67.12  | 54.75 | 68.44 |
| Economic (full ownership) costs:        |               |       |        |        |       |       |
| Variable cash expenses                  | 44.82         | 54.21 | 46.56  | 58.14  | 40.98 | 46.40 |
| General farm overhead                   | 1.60          | 1.32  | 1.81   | 1.52   | 1.11  | 0.93  |
| Taxes and insurance                     | 1.02          | 0.99  | 1.05   | 1.03   | 0.94  | 0.91  |
| Capital replacement                     | 7.68          | 8.00  | 7.79   | 8.06   | 7.42  | 7.87  |
| Operating capital                       | 1.25          | 1.38  | 1.30   | 1.48   | 1.14  | 1.18  |
| Other nonland capital                   | 3.00          | 3.00  | 2.82   | 2.77   | 3.43  | 3.46  |
| Land                                    | 0.10          | 0.10  | 0.12   | 0.12   | 0.05  | 0.06  |
| Unpaid labor                            | 4.18          | 4.36  | 4.78   | 5.12   | 2.84  | 2.85  |
| Total, economic (full ownership) costs  | 63.65         | 73.36 | 66.23  | 78.24  | 57.91 | 63.66 |
| Residual returns to management and risk | -9.51         | -5.79 | -12.38 | -11.12 | -3.16 | 4.78  |

<sup>1</sup>Cwt gain = (cwt sold - cwt purchased) + cwt inventory change.<sup>2</sup>Value of manure production.<sup>3</sup>Milk replacer, milk, milk byproducts, antibiotics, and other medicated additives.

Source: Economic Research Service, U.S. Department of Agriculture.

## Operators Once Again Failed To Cover Cash Costs

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Cash and economic costs for U.S. cow-calf operations in 1996 increased from 1995 levels. Producers operated under the pressures of high grain prices, large cattle supplies, bad weather conditions, and poor feedlot returns. A short grain crop in 1995/96 led to record high grain prices. While much of the Central Plains and Southwestern United States dealt with drought, the Northern States experienced unusually wet conditions. Hay supplies were tight due to supplemental drought feeding during the summer. Accumulated pasture growth for grazing in the winter largely ended in most areas by early November. Cool, wet weather resulted in disappointing wheat pasture growth, although planted acreage was up sharply and emergence was above average.

While 1996 grain prices held down feeder cattle price gains, tight forage supplies and relatively low feeder cattle prices led to continued large cow slaughter. As more beef moved through the market, cattle prices declined. The total gross value of production in 1996 fell 13 percent from the previous year.

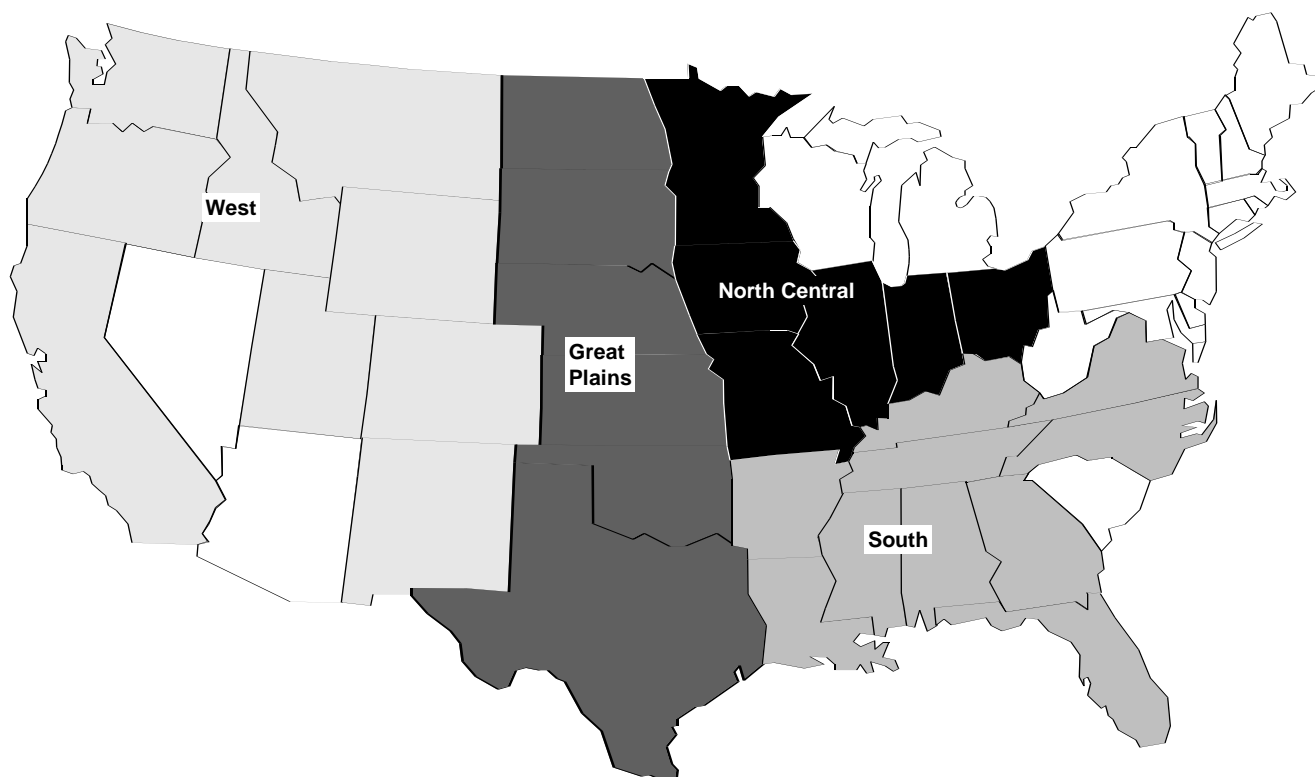
Cow-calf operators that marketed calves in 1996 once again failed to cover cash costs. The North Central, South, Great Plains, and West regions all posted a negative average value for the gross value of production less cash expenses for 1996. Operators in the West and South regions again experienced the largest shortfalls.

Residual returns to management and risk deteriorated further in the four regions, as total economic costs increased.



Figure 8-15

**Cow-calf production regions**



Notes: Shading and patterns indicate production regions where producers were surveyed in 1990 about production practices and costs of production. Production regions are defined for each crop based on common cultural practices.

**Table 8-18A—Cow-calf production cash costs and returns, 1995-96**

| Item   | United States |         | North Central |        | South  |         | Great Plains |         | West    |         |
|--|---------------|---------|---------------|--------|--------|---------|--------------|---------|---------|---------|
|  | 1995          | 1996    | 1995          | 1996   | 1995   | 1996    | 1995         | 1996    | 1995    | 1996    |
| <i>Dollars per bred cow</i>                  |               |         |               |        |        |         |              |         |         |         |
| Gross value of production:                   |               |         |               |        |        |         |              |         |         |         |
| Steer calves                                 | 44.94         | 35.35   | 44.68         | 35.08  | 59.11  | 45.59   | 42.52        | 32.87   | 36.65   | 30.60   |
| Heifer calves                                | 37.80         | 29.56   | 26.21         | 20.34  | 58.67  | 45.07   | 34.89        | 26.79   | 29.69   | 24.77   |
| Yearling steers                              | 105.94        | 97.17   | 106.69        | 100.47 | 68.63  | 56.77   | 115.28       | 109.63  | 122.75  | 110.41  |
| Yearling heifers                             | 58.35         | 53.88   | 70.32         | 66.18  | 27.12  | 22.98   | 72.55        | 68.66   | 56.34   | 50.71   |
| Other cattle                                 | 84.89         | 71.46   | 68.92         | 59.36  | 55.30  | 45.76   | 99.76        | 81.75   | 93.34   | 82.49   |
| Total, gross value of production             | 331.92        | 287.42  | 316.82        | 281.43 | 268.83 | 216.17  | 365.00       | 319.70  | 338.77  | 298.98  |
| Cash expenses:                               |               |         |               |        |        |         |              |         |         |         |
| Feeder cattle                                | 11.67         | 10.58   | 2.20          | 2.15   | 15.34  | 12.62   | 13.85        | 13.41   | 9.15    | 7.92    |
| Feed—  |               |         |               |        |        |         |              |         |         |         |
| Grain  | 9.76          | 8.98    | 14.44         | 11.91  | 7.84   | 8.17    | 10.90        | 9.58    | 7.36    | 7.32    |
| Protein supplements                          | 24.03         | 29.21   | 20.41         | 26.48  | 18.01  | 21.96   | 30.16        | 36.70   | 20.67   | 24.36   |
| Byproducts                                   | 7.69          | 8.02    | 4.91          | 5.25   | 14.25  | 14.69   | 7.32         | 7.72    | 3.80    | 3.93    |
| Harvested forages                            | 80.87         | 86.74   | 72.35         | 76.90  | 48.56  | 51.60   | 90.18        | 98.53   | 97.64   | 102.54  |
| Pasture                                      | 73.86         | 79.22   | 34.88         | 37.45  | 44.51  | 44.24   | 74.61        | 79.70   | 116.65  | 128.54  |
| Total, feed costs                            | 196.21        | 212.17  | 146.99        | 157.99 | 133.17 | 140.66  | 213.17       | 232.23  | 246.12  | 266.69  |
| Other—                                       |               |         |               |        |        |         |              |         |         |         |
| Veterinary and medicine                      | 18.23         | 17.55   | 28.69         | 27.48  | 13.83  | 13.36   | 18.12        | 17.46   | 17.42   | 16.82   |
| Livestock hauling                            | 4.32          | 4.18    | 1.60          | 1.56   | 6.59   | 6.34    | 3.08         | 2.99    | 5.66    | 5.48    |
| Marketing                                    | 4.30          | 4.16    | 3.84          | 3.72   | 4.77   | 4.63    | 4.62         | 4.46    | 3.57    | 3.45    |
| Custom feed mixing                           | 0.22          | 0.21    | 0.04          | 0.04   | 0.14   | 0.13    | 0.30         | 0.29    | 0.23    | 0.23    |
| Fuel, lube                                   | 19.11         | 23.00   | 23.41         | 28.20  | 19.14  | 22.76   | 20.30        | 24.95   | 15.08   | 17.54   |
| Machinery and building repairs               | 31.06         | 31.83   | 40.54         | 41.54  | 30.65  | 31.60   | 33.36        | 34.18   | 23.10   | 23.63   |
| Hired labor                                  | 30.91         | 31.65   | 11.94         | 13.17  | 37.25  | 36.93   | 27.78        | 28.87   | 39.44   | 40.17   |
| Other variable cash expenses                 | 5.79          | 5.95    | 5.29          | 5.56   | 6.98   | 7.20    | 6.30         | 6.46    | 4.11    | 4.19    |
| Total, variable cash expenses                | 321.82        | 341.28  | 264.54        | 281.41 | 267.86 | 276.23  | 340.88       | 365.30  | 363.88  | 386.12  |
| General farm overhead                        | 38.56         | 36.15   | 31.64         | 29.70  | 36.40  | 34.16   | 38.41        | 35.99   | 43.94   | 41.14   |
| Taxes and insurance                          | 15.96         | 17.27   | 14.03         | 15.29  | 17.69  | 19.00   | 12.74        | 13.89   | 20.77   | 22.33   |
| Interest                                     | 34.31         | 33.99   | 35.20         | 34.86  | 19.76  | 19.53   | 28.87        | 28.65   | 55.96   | 55.27   |
| Total, fixed cash expenses                   | 88.83         | 87.41   | 80.87         | 79.85  | 73.85  | 72.69   | 80.02        | 78.53   | 120.67  | 118.74  |
| Total, cash expenses                         | 410.65        | 428.69  | 345.41        | 361.26 | 341.71 | 348.92  | 420.90       | 443.83  | 484.55  | 504.86  |
| Gross value of production less cash expenses | -78.73        | -141.27 | -28.59        | -79.83 | -72.88 | -132.75 | -55.90       | -124.13 | -145.78 | -205.88 |

**Table 8-18B—Cow-calf production economic costs and returns, 1995-96**

| Item                                    | United States |         | North Central |         | South   |         | Great Plains |         | West    |         |
|---|---------------|---------|---------------|---------|---------|---------|--------------|---------|---------|---------|
|   | 1995          | 1996    | 1995          | 1996    | 1995    | 1996    | 1995         | 1996    | 1995    | 1996    |
| <i>Dollars per bred cow</i>             |               |         |               |         |         |         |              |         |         |         |
| Gross value of production:              |               |         |               |         |         |         |              |         |         |         |
| Steer calves                            | 44.94         | 35.35   | 44.68         | 35.08   | 59.11   | 45.59   | 42.52        | 32.87   | 36.65   | 30.60   |
| Heifer calves                           | 37.80         | 29.56   | 26.21         | 20.34   | 58.67   | 45.07   | 34.89        | 26.79   | 29.69   | 24.77   |
| Yearling steers                         | 105.94        | 97.17   | 106.69        | 100.47  | 68.63   | 56.77   | 115.28       | 109.63  | 122.75  | 110.41  |
| Yearling heifers                        | 58.35         | 53.88   | 70.32         | 66.18   | 27.12   | 22.98   | 72.55        | 68.66   | 56.34   | 50.71   |
| Other cattle                            | 84.89         | 71.46   | 68.92         | 59.36   | 55.30   | 45.76   | 99.76        | 81.75   | 93.34   | 82.49   |
| Total, gross value of production        | 331.92        | 287.42  | 316.82        | 281.43  | 268.83  | 216.17  | 365.00       | 319.70  | 338.77  | 298.98  |
| Economic (full ownership) costs:        |               |         |               |         |         |         |              |         |         |         |
| Variable cash expenses                  | 321.82        | 341.28  | 264.54        | 281.41  | 267.86  | 276.23  | 340.88       | 365.30  | 363.88  | 386.12  |
| General farm overhead                   | 38.56         | 36.15   | 31.64         | 29.70   | 36.40   | 34.16   | 38.41        | 35.99   | 43.94   | 41.14   |
| Taxes and insurance                     | 15.96         | 17.27   | 14.03         | 15.29   | 17.69   | 19.00   | 12.74        | 13.89   | 20.77   | 22.33   |
| Capital replacement                     | 84.89         | 83.59   | 96.38         | 95.03   | 81.34   | 80.41   | 85.23        | 83.56   | 82.08   | 81.16   |
| Operating capital                       | 13.49         | 13.03   | 11.09         | 10.74   | 11.23   | 10.54   | 14.29        | 13.94   | 15.26   | 14.74   |
| Other nonland capital                   | 37.59         | 37.31   | 47.93         | 47.64   | 36.28   | 36.20   | 37.45        | 37.04   | 34.17   | 33.95   |
| Land                                    | 0.04          | 0.05    | 0.12          | 0.12    | 0.06    | 0.07    | 0.02         | 0.02    | 0.03    | 0.03    |
| Unpaid labor                            | 92.42         | 96.62   | 132.88        | 142.65  | 96.94   | 101.02  | 86.69        | 90.34   | 79.26   | 81.97   |
| Total, economic (full ownership) costs  | 604.77        | 625.30  | 598.61        | 622.58  | 547.80  | 557.63  | 615.71       | 640.08  | 639.39  | 661.44  |
| Residual returns to management and risk | -272.85       | -337.88 | -281.79       | -341.15 | -278.97 | -341.46 | -250.71      | -320.38 | -300.62 | -362.46 |

Source: Economic Research Service, U.S. Department of Agriculture.

**Appendix I**  
**Cash Receipts**  
**for Commodities**  
**by State**

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity     | 1992        | 1993        | 1994        | 1995        | 1996        |
|-------------------------|-------------|-------------|-------------|-------------|-------------|
| <i>Thousand dollars</i> |             |             |             |             |             |
| <b>United States</b>    |             |             |             |             |             |
| All commodities         | 171,380,658 | 177,650,246 | 181,238,887 | 187,703,843 | 202,338,990 |
| Livestock and products  | 85,636,979  | 90,170,477  | 88,159,928  | 87,003,756  | 92,914,212  |
| Meat animals            | 47,748,299  | 50,823,492  | 46,784,612  | 44,827,596  | 44,382,498  |
| Cattle and calves       | 37,272,292  | 39,361,709  | 36,394,811  | 34,004,481  | 31,138,046  |
| Hogs                    | 10,016,503  | 10,910,817  | 9,882,643   | 10,264,264  | 12,643,736  |
| Sheep and lambs         | 459,504     | 550,966     | 507,158     | 558,851     | 600,716     |
| Dairy products          | 19,736,250  | 19,242,553  | 19,935,161  | 19,893,610  | 22,833,925  |
| Milk, retail            | 275,845     | 263,161     | 303,238     | 392,964     | 482,818     |
| Milk, wholesale         | 19,460,405  | 18,979,392  | 19,631,923  | 19,500,646  | 22,351,107  |
| Poultry/eggs            | 15,523,553  | 17,325,621  | 18,445,009  | 19,068,774  | 22,326,291  |
| Broilers                | 9,176,537   | 10,415,826  | 11,371,723  | 11,762,222  | 13,906,019  |
| Farm chickens           | 82,842      | 96,435      | 77,517      | 61,315      | 61,429      |
| Chicken eggs            | 3,384,490   | 3,779,430   | 3,780,349   | 3,879,609   | 4,756,571   |
| Turkeys                 | 2,396,728   | 2,509,672   | 2,643,765   | 2,822,151   | 3,056,314   |
| Ducks                   | 8,736       | 8,493       | 8,874       | 9,512       | 10,614      |
| Other poultry           | 474,220     | 515,765     | 562,781     | 533,965     | 535,344     |
| Miscellaneous livestock | 2,628,877   | 2,778,811   | 2,995,146   | 3,213,776   | 3,371,498   |
| Honey                   | 122,741     | 125,029     | 116,124     | 145,653     | 180,192     |
| Horses/mules            | 433,000     | 441,000     | 489,000     | 559,000     | 628,000     |
| Mohair                  | 13,389      | 12,066      | 32,247      | 22,191      | 15,486      |
| Wool                    | 60,181      | 39,071      | 52,403      | 64,285      | 39,658      |
| Aquaculture             | 635,755     | 686,746     | 706,109     | 757,105     | 767,750     |
| Other livestock         | 1,363,811   | 1,474,899   | 1,599,263   | 1,665,542   | 1,740,412   |
| Crops                   | 85,743,679  | 87,479,769  | 93,078,959  | 100,700,087 | 109,424,778 |
| Food grains             | 8,467,473   | 8,179,932   | 9,545,012   | 10,416,611  | 11,549,958  |
| Rice                    | 1,255,836   | 698,550     | 1,665,183   | 1,282,383   | 1,575,115   |
| Rye                     | 17,572      | 17,077      | 20,397      | 19,175      | 19,227      |
| Wheat                   | 7,194,065   | 7,464,305   | 7,859,432   | 9,115,053   | 9,955,616   |
| Feed crops              | 20,098,600  | 20,211,046  | 20,351,200  | 24,282,381  | 28,113,655  |
| Barley                  | 814,534     | 655,481     | 702,629     | 824,893     | 992,388     |
| Corn                    | 14,665,455  | 14,606,523  | 14,675,201  | 18,625,832  | 21,573,363  |
| Hay                     | 3,122,644   | 3,570,554   | 3,701,536   | 3,326,517   | 3,573,530   |
| Oats                    | 176,489     | 142,838     | 132,840     | 121,695     | 145,676     |
| Sorghum grain           | 1,314,428   | 1,225,350   | 1,128,094   | 1,371,988   | 1,813,188   |
| Silage                  | 5,050       | 10,300      | 10,900      | 11,456      | 15,510      |
| Cotton                  | 5,192,067   | 5,249,680   | 6,737,709   | 6,851,079   | 7,460,813   |
| Cotton lint, all        | 4,673,466   | 4,654,785   | 6,096,156   | 6,241,223   | 6,723,079   |
| Cottonseed              | 518,601     | 594,895     | 641,553     | 609,856     | 737,734     |
| Tobacco                 | 2,958,005   | 2,947,785   | 2,656,352   | 2,548,399   | 2,795,990   |
| Oil crops               | 13,285,937  | 13,219,881  | 14,656,680  | 15,466,338  | 17,755,891  |
| Flaxseed                | 14,905      | 13,326      | 15,287      | 12,673      | 10,355      |
| Peanuts                 | 1,285,671   | 1,031,829   | 1,229,762   | 1,001,150   | 969,132     |
| Soybeans                | 11,619,434  | 11,780,613  | 12,826,218  | 13,857,413  | 16,211,387  |
| Sunflower               | 304,213     | 298,185     | 464,949     | 466,837     | 432,344     |
| Sesame                  | 306         | 300         | 350         | 352         | NA          |
| Vegetables              | 11,851,388  | 13,434,608  | 13,902,047  | 14,890,935  | 14,348,758  |
| Beans, dry              | 488,875     | 522,707     | 611,148     | 609,049     | 663,875     |
| Peas, dry               | 30,061      | 36,999      | 35,342      | 57,766      | 32,948      |
| Lentils (beans)         | 28,814      | 30,090      | 25,613      | 34,899      | 21,094      |
| Potatoes                | 2,002,295   | 2,342,344   | 2,486,729   | 2,464,550   | 2,699,259   |
| Sweetpotatoes           | 156,463     | 162,168     | 181,290     | 196,720     | 205,620     |
| Taro                    | 3,002       | 2,760       | 2,806       | 3,264       | 2,891       |
| Ginger root             | 6,380       | 5,247       | 5,220       | 5,046       | 7,050       |
| Artichokes              | 43,447      | 45,762      | 61,557      | 61,965      | 58,729      |
| Asparagus               | 173,015     | 167,645     | 177,641     | 177,974     | 157,001     |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity      | 1992       | 1993       | 1994       | 1995       | 1996       |
|--------------------------|------------|------------|------------|------------|------------|
| <i>Thousand dollars</i>  |            |            |            |            |            |
| Beans, green lima        | 21,251     | 22,629     | 32,920     | 36,869     | 34,331     |
| Beans, snap              | 250,787    | 271,039    | 293,089    | 282,664    | 284,328    |
| Beets                    | 5,879      | 6,623      | 8,113      | 8,814      | 8,092      |
| Broccoli                 | 284,423    | 277,663    | 374,049    | 414,804    | 402,610    |
| Brussels sprouts         | 17,104     | 24,761     | 15,471     | 14,390     | 16,131     |
| Cabbage                  | 217,762    | 287,331    | 239,712    | 268,169    | 251,184    |
| Carrots                  | 352,733    | 295,852    | 336,756    | 426,282    | 377,642    |
| Cauliflower              | 193,937    | 201,381    | 193,127    | 211,438    | 217,632    |
| Celery                   | 258,662    | 319,216    | 237,949    | 315,108    | 197,753    |
| Corn, sweet              | 480,159    | 532,325    | 635,057    | 640,444    | 636,023    |
| Cucumbers                | 295,186    | 296,389    | 283,534    | 286,002    | 311,962    |
| Eggplant, all            | 20,650     | 17,721     | 20,886     | 16,225     | 15,766     |
| Escarole                 | 11,148     | 13,502     | 15,151     | 14,642     | 12,901     |
| Garlic                   | 102,854    | 132,470    | 183,852    | 140,700    | 145,592    |
| Kale/collards            | NA         | NA         | 3,455      | 3,398      | 3,924      |
| Lettuce                  | 1,171,977  | 1,469,131  | 1,277,825  | 1,990,554  | 1,427,400  |
| Onions                   | 541,062    | 936,972    | 707,437    | 737,677    | 701,006    |
| Peas, green              | 135,954    | 88,004     | 124,138    | 131,762    | 117,333    |
| Peppers, green           | 386,153    | 437,480    | 456,245    | 452,906    | 462,377    |
| Peppers, chili           | 67,379     | 56,077     | 55,868     | 44,840     | 65,460     |
| Spinach                  | 67,254     | 80,952     | 74,662     | 80,018     | 75,492     |
| Tomatoes                 | 1,906,363  | 1,711,985  | 1,745,910  | 1,604,977  | 1,603,232  |
| Radishes                 | 21,578     | 36,961     | 25,888     | 23,873     | 20,021     |
| Squash                   | 56,294     | 49,488     | 53,218     | 58,657     | 37,947     |
| Miscellaneous vegetables | 1,513,751  | 1,925,226  | 2,279,910  | 2,277,536  | 2,306,442  |
| Cantaloups               | 251,059    | 297,055    | 300,618    | 350,698    | 400,795    |
| Honeydews                | 63,811     | 68,888     | 68,184     | 89,193     | 91,265     |
| Watermelons              | 223,866    | 261,765    | 271,677    | 357,062    | 275,650    |
| Fruits/nuts              | 10,178,673 | 10,284,137 | 10,334,702 | 11,073,919 | 11,713,819 |
| Grapefruit               | 372,390    | 316,395    | 323,121    | 312,194    | 299,875    |
| Lemons                   | 238,687    | 282,818    | 248,103    | 267,598    | 228,340    |
| Limes                    | 11,213     | 3,171      | 3,687      | 4,001      | 1,632      |
| Oranges                  | 1,473,551  | 1,522,351  | 1,655,244  | 1,711,810  | 1,798,311  |
| Tangelos                 | 14,994     | 20,361     | 13,508     | 16,942     | 17,470     |
| Tangerines               | 99,313     | 87,984     | 75,126     | 126,623    | 97,315     |
| Apples                   | 1,589,220  | 1,361,328  | 1,352,718  | 1,578,502  | 1,846,052  |
| Apricots                 | 37,838     | 38,694     | 48,883     | 27,744     | 37,152     |
| Avocados                 | 205,176    | 139,592    | 260,340    | 240,185    | 238,910    |
| Cherries                 | 233,391    | 224,030    | 248,953    | 211,771    | 264,066    |
| Dates                    | 22,037     | 22,756     | 18,609     | 17,598     | 18,277     |
| Figs                     | 18,985     | 24,341     | 23,768     | 15,841     | 12,606     |
| Grapes                   | 1,846,216  | 2,000,601  | 1,888,164  | 2,044,622  | 2,334,020  |
| Nectarines               | 73,710     | 102,421    | 68,168     | 93,990     | 115,029    |
| Olives                   | 90,585     | 56,974     | 38,977     | 50,065     | 102,588    |
| Peaches                  | 379,749    | 398,852    | 314,699    | 404,990    | 380,332    |
| Pears                    | 275,242    | 247,201    | 226,809    | 241,393    | 292,452    |
| Pineapples               | 102,100    | 79,850     | 78,890     | 87,360     | 87,282     |
| Plums and prunes         | 254,126    | 261,545    | 257,255    | 324,005    | 294,842    |
| Coffee                   | 4,080      | 6,525      | 12,040     | 16,200     | 20,150     |
| Bananas                  | 4,920      | 4,446      | 5,069      | 5,200      | 5,200      |
| Papayas                  | 14,415     | 13,673     | 13,831     | 18,494     | 18,488     |
| Kiwifruit                | 13,833     | 16,502     | 18,413     | 15,089     | 13,368     |
| Mangos                   | 4,280      | 950        | 1,500      | 1,725      | 1,500      |
| Guavas                   | 1,896      | 2,171      | 2,549      | 2,378      | 2,331      |
| Cranberries              | 214,767    | 196,820    | 230,795    | 223,938    | 246,248    |
| Strawberries             | 698,004    | 670,753    | 837,038    | 812,312    | 770,324    |
| Blueberries              | 128,616    | 111,233    | 108,417    | 122,283    | 143,572    |
| Raspberries              | 85,715     | 83,335     | 92,958     | 74,307     | 71,480     |
| Blackberry group         | 25,185     | 15,300     | 19,899     | 26,558     | 33,121     |
| Other berries            | 87,129     | 90,109     | 93,106     | 94,436     | 91,374     |
| Almonds                  | 691,340    | 930,618    | 965,202    | 880,896    | 1,008,576  |
| Filberts                 | 15,304     | 25,963     | 17,604     | 35,611     | 16,329     |
| Pecans                   | 240,797    | 213,862    | 207,345    | 271,673    | 141,119    |
| Walnuts                  | 286,230    | 361,400    | 238,960    | 327,600    | 317,750    |
| Macadamia nuts           | 32,640     | 32,980     | 36,225     | 37,740     | 44,070     |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992       | 1993       | 1994       | 1995       | 1996       |
|-------------------------------|------------|------------|------------|------------|------------|
| <i>Thousand dollars</i>       |            |            |            |            |            |
| Pistachios                    | 151,410    | 162,640    | 118,809    | 161,320    | 121,800    |
| Miscellaneous fruits and nuts | 138,214    | 152,653    | 169,317    | 168,020    | 179,563    |
| All other crops               | 13,711,536 | 13,952,700 | 14,895,257 | 15,170,425 | 15,685,894 |
| Maple products                | 39,125     | 23,493     | 32,248     | 28,719     | 42,169     |
| Sugar beets                   | 1,206,480  | 1,023,687  | 1,234,470  | 1,070,663  | 1,017,475  |
| Cane for sugar                | 876,824    | 868,035    | 899,279    | 893,344    | 865,965    |
| Alfalfa                       | 50,003     | 41,330     | 57,800     | 55,836     | 57,754     |
| Bentgrass                     | 12,062     | 10,074     | 9,552      | 12,149     | 13,868     |
| Bluegrass-Kentucky            | 22,316     | 28,491     | 24,634     | 25,632     | 33,175     |
| Crimson clover                | 4,104      | 2,323      | 2,477      | 2,933      | 4,315      |
| Fescue                        | 43,309     | 46,257     | 37,610     | 48,378     | 96,168     |
| Orchardgrass                  | 8,865      | 9,593      | 11,887     | 13,690     | 9,752      |
| Red clover                    | 7,088      | 4,904      | 3,692      | 5,230      | 6,053      |
| Sorghum Sudan crosses         | 4,000      | 3,000      | 5,000      | 4,000      | 5,000      |
| Other seeds                   | 269,705    | 294,866    | 300,887    | 317,383    | 315,140    |
| Hops                          | 129,445    | 133,965    | 134,701    | 135,087    | 123,944    |
| Mint                          | 141,368    | 113,627    | 136,847    | 157,906    | 154,612    |
| Other field crops             | 503,291    | 529,852    | 675,544    | 607,609    | 666,127    |
| Christmas trees               | 330,276    | 417,034    | 435,619    | 458,492    | 474,435    |
| Greenhouse/nursery            | 9,286,612  | 9,592,179  | 10,021,195 | 10,440,668 | 10,887,058 |
| Mushrooms                     | 684,638    | 700,815    | 736,417    | 757,878    | 753,052    |
| <b>Alabama</b>                |            |            |            |            |            |
| All commodities               | 2,727,271  | 2,857,095  | 2,951,334  | 2,871,842  | 3,173,595  |
| Livestock and products        | 1,962,655  | 2,129,064  | 2,149,550  | 2,166,594  | 2,362,958  |
| Meat animals                  | 476,767    | 429,649    | 366,901    | 374,601    | 358,043    |
| Cattle and calves             | 395,283    | 345,904    | 299,518    | 308,310    | 286,068    |
| Hogs                          | 81,272     | 83,483     | 67,181     | 66,221     | 71,856     |
| Dairy products                | 72,500     | 72,562     | 72,912     | 66,920     | 70,520     |
| Milk, wholesale               | 72,500     | 72,562     | 72,912     | 66,920     | 70,520     |
| Poultry/eggs                  | 1,368,509  | 1,577,222  | 1,658,173  | 1,663,476  | 1,869,708  |
| Broilers                      | 1,194,901  | 1,349,766  | 1,443,549  | 1,438,200  | 1,634,802  |
| Farm chickens                 | 2,570      | 8,611      | 7,193      | 5,811      | 7,048      |
| Chicken eggs                  | 170,188    | 217,845    | 205,431    | 216,465    | 225,358    |
| Other poultry                 | 850        | 1,000      | 2,000      | 3,000      | 2,500      |
| Miscellaneous livestock       | 44,879     | 49,631     | 51,564     | 61,597     | 64,687     |
| Aquaculture                   | 32,247     | 40,087     | 41,058     | 50,909     | 52,795     |
| All other livestock           | 12,000     | 9,000      | 10,000     | 10,000     | 11,000     |
| Crops                         | 764,616    | 728,031    | 801,784    | 705,248    | 810,637    |
| Food grains                   | 12,958     | 9,806      | 13,393     | 11,361     | 17,141     |
| Wheat                         | 12,958     | 9,806      | 13,393     | 11,361     | 17,141     |
| Feed crops                    | 58,011     | 50,161     | 58,770     | 56,278     | 70,571     |
| Corn                          | 38,690     | 28,540     | 35,137     | 37,820     | 51,609     |
| Hay                           | 16,990     | 18,990     | 20,526     | 17,273     | 17,805     |
| Sorghum grain                 | 1,209      | 1,741      | 1,762      | 693        | 466        |
| Cotton                        | 174,638    | 164,858    | 250,681    | 167,386    | 260,436    |
| Cotton lint, all              | 160,111    | 151,591    | 232,769    | 155,516    | 236,305    |
| Cottonseed                    | 14,527     | 13,267     | 17,912     | 11,870     | 24,131     |
| Tobacco                       | 1,282      | 1,305      | 968        | 1,293      | 1,371      |
| Oil crops                     | 221,700    | 191,152    | 193,680    | 175,471    | 172,484    |
| Peanuts                       | 180,310    | 145,752    | 144,129    | 139,420    | 118,749    |
| Soybeans                      | 41,204     | 45,020     | 48,737     | 35,433     | 53,512     |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992      | 1993      | 1994      | 1995      | 1996      |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>       |           |           |           |           |           |
| Vegetables                    | 72,970    | 79,249    | 83,315    | 85,903    | 73,792    |
| Potatoes                      | 10,816    | 10,331    | 19,849    | 15,048    | 11,100    |
| Spring                        | 4,432     | 4,862     | 5,289     | 3,910     | 2,690     |
| Summer                        | 6,384     | 5,469     | 14,560    | 11,138    | 8,410     |
| Sweetpotatoes                 | 9,257     | 9,675     | 10,431    | 11,032    | 9,496     |
| Corn, sweet                   | 2,682     | 1,980     | 3,060     | 1,884     | 2,873     |
| Tomatoes                      | 6,495     | 14,595    | 8,870     | 7,907     | 9,350     |
| Miscellaneous vegetables      | 40,000    | 35,000    | 36,000    | 43,000    | 35,000    |
| Watermelons                   | 1,635     | 5,506     | 2,736     | 3,971     | 3,572     |
| Fruits/nuts                   | 16,644    | 26,114    | 15,860    | 22,494    | 16,638    |
| Peaches                       | 3,756     | 4,277     | 3,760     | 5,985     | 253       |
| Other berries                 | 3,000     | 3,600     | 3,200     | 2,500     | 3,800     |
| Pecans                        | 4,780     | 10,890    | 3,160     | 8,452     | 7,440     |
| Miscellaneous fruits and nuts | 4,800     | 7,300     | 5,300     | 5,100     | 4,800     |
| All other crops               | 206,413   | 205,386   | 185,117   | 185,062   | 198,204   |
| Other seeds                   | 2,200     | 1,200     | 1,600     | 2,300     | 2,800     |
| Other field crops             | 3,300     | 3,200     | 3,800     | 3,600     | 5,400     |
| Greenhouse/nursery            | 200,913   | 200,986   | 179,717   | 179,162   | 190,004   |
| Floriculture                  | 50,913    | 55,986    | 49,717    | 49,162    | 56,004    |
| Other greenhouse              | 150,000   | 145,000   | 130,000   | 130,000   | 134,000   |
| <b>Alaska</b>                 |           |           |           |           |           |
| All commodities               | 25,735    | 26,799    | 27,890    | 29,702    | 29,418    |
| Livestock and products        | 6,036     | 5,922     | 6,045     | 5,820     | 6,108     |
| Meat animals                  | 931       | 825       | 915       | 793       | 1,043     |
| Dairy products                | 2,391     | 2,318     | 2,465     | 2,323     | 2,608     |
| Milk, wholesale               | 2,326     | 2,253     | 2,395     | 2,253     | 2,538     |
| Poultry/eggs                  | 75        | 80        | 73        | 78        | 77        |
| Other poultry                 | 8         | 9         | 9         | 78        | 77        |
| Miscellaneous livestock       | 2,639     | 2,699     | 2,592     | 2,626     | 2,380     |
| Other livestock               | 2,633     | 2,692     | 2,582     | 2,617     | 2,374     |
| Crops                         | 19,699    | 20,877    | 21,845    | 23,882    | 23,310    |
| Feed crops                    | 1,903     | 2,386     | 2,828     | 3,421     | 2,068     |
| Barley                        | 362       | 419       | 509       | 884       | 666       |
| Oats                          | 18        | 98        | 105       | 161       | 72        |
| Vegetables                    | 2,573     | 3,102     | 2,898     | 3,556     | 3,029     |
| Potatoes                      | 1,653     | 2,022     | 1,843     | 2,344     | 1,698     |
| Miscellaneous vegetables      | 920       | 1,080     | 1,055     | 1,212     | 1,331     |
| All other crops               | 15,223    | 15,389    | 16,119    | 16,905    | 18,213    |
| Other field crops             | 163       | 309       | 286       | 320       | 221       |
| Greenhouse/nursery            | 15,060    | 15,080    | 15,833    | 16,585    | 17,992    |
| <b>Arizona</b>                |           |           |           |           |           |
| All commodities               | 1,808,239 | 1,950,934 | 1,854,063 | 2,156,991 | 2,146,417 |
| Livestock and products        | 896,498   | 918,321   | 804,343   | 810,226   | 838,827   |
| Meat animals                  | 612,436   | 624,308   | 479,480   | 470,295   | 427,213   |
| Cattle and calves             | 583,514   | 591,201   | 446,060   | 433,953   | 384,228   |
| Hogs                          | 19,253    | 22,591    | 22,140    | 29,329    | 34,609    |
| Sheep and lambs               | 9,669     | 10,516    | 11,280    | 7,013     | 8,376     |
| Dairy products                | 236,607   | 244,970   | 278,506   | 284,288   | 356,990   |
| Milk, wholesale               | 236,607   | 244,970   | 278,506   | 284,288   | 356,990   |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992    | 1993      | 1994      | 1995      | 1996      |
|-------------------------------|---------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>       |         |           |           |           |           |
| Poultry/eggs                  | 3,758   | 3,952     | 3,602     | 4,104     | 4,186     |
| Other poultry                 | 224     | 230       | 232       | 331       | 377       |
| Miscellaneous livestock       | 43,697  | 45,091    | 42,755    | 51,539    | 50,438    |
| Honey                         | 2,079   | 2,202     | 1,414     | 2,670     | 1,613     |
| Other livestock               | 40,590  | 42,257    | 40,676    | 48,006    | 48,132    |
| Crops                         | 911,741 | 1,032,613 | 1,049,720 | 1,346,765 | 1,307,590 |
| Food grains                   | 29,730  | 28,156    | 45,363    | 47,686    | 81,358    |
| Wheat                         | 29,730  | 28,156    | 45,363    | 47,686    | 81,358    |
| Feed crops                    | 47,210  | 74,526    | 87,959    | 78,025    | 110,626   |
| Barley                        | 3,915   | 4,607     | 5,276     | 3,806     | 16,165    |
| Corn                          | 1,437   | 4,460     | 4,728     | 8,141     | 14,992    |
| Hay                           | 34,168  | 50,959    | 63,545    | 51,742    | 55,454    |
| Sorghum grain                 | 2,640   | 4,200     | 3,510     | 2,880     | 8,505     |
| Silage                        | 5,050   | 10,300    | 10,900    | 11,456    | 15,510    |
| Corn silage                   | 3,250   | 8,500     | 9,100     | 6,656     | 12,150    |
| Sorghum silage                | 1,800   | 1,800     | 1,800     | 4,800     | 3,360     |
| Cotton                        | 297,434 | 286,947   | 342,444   | 297,965   | 341,055   |
| Cotton lint, all              | 268,359 | 253,591   | 308,085   | 265,130   | 300,489   |
| Upland                        | 207,255 | 196,150   | 265,113   | 241,345   | 260,857   |
| Long staple                   | 61,104  | 57,441    | 42,972    | 23,785    | 39,632    |
| Cottonseed                    | 29,075  | 33,356    | 34,359    | 32,835    | 40,566    |
| Oil crops                     | 6,041   | 5,952     | 7,033     | 4,402     | 4,146     |
| Peanuts                       | 342     | 925       | 750       | 499       | 528       |
| Sesame                        | 306     | 300       | 350       | 352       | NA        |
| Jojoba                        | 4,500   | 1,200     | 1,800     | 2,250     | 2,340     |
| Vegetables                    | 312,966 | 426,010   | 361,539   | 718,880   | 554,637   |
| Potatoes                      | 10,912  | 11,963    | 12,003    | 13,127    | 16,436    |
| Broccoli                      | 14,770  | 21,503    | 21,817    | 36,232    | 25,135    |
| Carrots                       | 3,262   | 2,689     | 3,604     | 9,205     | 7,925     |
| Cauliflower                   | 19,558  | 20,930    | 22,984    | 28,920    | 25,410    |
| Lettuce                       | 172,422 | 260,548   | 185,057   | 489,019   | 305,683   |
| Head                          | 128,204 | 188,107   | 144,270   | 353,908   | 212,810   |
| Other                         | 6,654   | 4,378     | 5,244     | 16,356    | 6,365     |
| Romaine                       | 10,295  | 24,404    | 15,004    | 48,051    | 34,632    |
| Leaf                          | 27,269  | 43,659    | 20,539    | 70,704    | 51,876    |
| Onions                        | 4,418   | 10,342    | 5,308     | 5,331     | 6,559     |
| Miscellaneous vegetables      | 34,327  | 25,735    | 45,563    | 41,496    | 56,257    |
| Cantaloups                    | 38,254  | 48,838    | 43,877    | 61,104    | 84,677    |
| Honeydews                     | 5,005   | 6,912     | 8,247     | 13,882    | 11,111    |
| Watermelons                   | 8,678   | 14,930    | 11,805    | 20,520    | 15,444    |
| Fruits/nuts                   | 146,362 | 130,963   | 119,103   | 113,006   | 120,309   |
| Grapefruit                    | 15,836  | 6,532     | 4,836     | 7,720     | 4,236     |
| Fresh pink seedless           | 15,286  | 6,645     | 4,932     | 7,754     | 4,424     |
| Lemons                        | 52,156  | 49,895    | 37,660    | 39,035    | 47,229    |
| Fresh                         | 47,692  | 46,869    | 35,462    | 37,541    | 44,816    |
| Processing                    | 4,464   | 3,026     | 2,198     | 1,494     | 2,413     |
| Oranges                       | 12,717  | 13,273    | 8,216     | 7,556     | 7,895     |
| Naval, fresh, early and mid   | 8,411   | 6,457     | 4,652     | 3,628     | 4,066     |
| Valencias, fresh              | 4,328   | 6,814     | 3,595     | 4,021     | 3,993     |
| Tangerines                    | 16,442  | 11,367    | 11,837    | 8,452     | 10,055    |
| Fresh                         | 16,181  | 11,483    | 11,873    | 8,459     | 10,124    |
| Apples                        | 6,059   | 3,654     | 4,621     | 782       | 12,432    |
| Fresh                         | 2,577   | 900       | 1,000     | 80        | 1,776     |
| Processing                    | 3,482   | 2,754     | 3,621     | 702       | 10,656    |
| Grapes                        | 12,488  | 18,066    | 24,430    | 23,314    | 20,063    |
| Miscellaneous fruits and nuts | 4,764   | 6,901     | 5,303     | 5,997     | 7,859     |
| All other crops               | 71,998  | 80,059    | 86,279    | 86,801    | 95,459    |
| Other seeds                   | 22,002  | 18,810    | 19,850    | 28,002    | 25,451    |

See footnotes at end of table.

Continued—



**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992      | 1993      | 1994      | 1995      | 1996      |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>       |           |           |           |           |           |
| Other field crops             | 2,031     | 1,995     | 3,151     | 2,909     | 1,763     |
| Christmas trees               | NA        | NA        | 82        | 129       | 288       |
| Greenhouse/nursery            | 47,965    | 59,254    | 63,196    | 55,761    | 67,957    |
| Floriculture                  | 12,515    | 21,354    | 22,796    | 12,061    | 22,787    |
| Other greenhouse              | 35,450    | 37,900    | 40,400    | 43,700    | 45,170    |
| <b>Arkansas</b>               |           |           |           |           |           |
| All commodities               | 4,657,525 | 4,355,259 | 5,394,516 | 5,089,646 | 5,886,786 |
| Livestock and products        | 2,710,019 | 2,900,656 | 3,144,751 | 3,021,568 | 3,356,623 |
| Meat animals                  | 514,997   | 503,375   | 523,500   | 467,136   | 438,768   |
| Cattle and calves             | 394,328   | 359,118   | 366,546   | 310,897   | 251,775   |
| Hogs                          | 120,537   | 144,197   | 156,802   | 155,998   | 186,710   |
| Dairy products                | 106,057   | 101,592   | 101,748   | 98,394    | 107,680   |
| Milk, wholesale               | 106,057   | 101,592   | 101,748   | 98,394    | 107,680   |
| Poultry/eggs                  | 2,008,754 | 2,202,270 | 2,420,426 | 2,343,688 | 2,687,575 |
| Broilers                      | 1,529,660 | 1,684,366 | 1,820,138 | 1,768,930 | 2,122,313 |
| Farm chickens                 | 8,970     | 15,675    | 16,575    | 13,385    | 10,696    |
| Chicken eggs                  | 264,974   | 285,829   | 329,593   | 294,353   | 299,950   |
| Turkeys                       | 196,650   | 205,000   | 224,400   | 241,020   | 231,616   |
| Other poultry                 | 8,500     | 11,400    | 29,720    | 26,000    | 23,000    |
| Miscellaneous livestock       | 80,211    | 93,419    | 99,077    | 112,350   | 122,600   |
| Honey                         | 1,521     | 1,825     | 1,811     | 2,130     | 2,923     |
| Aquaculture                   | 71,203    | 83,810    | 89,986    | 102,827   | 112,214   |
| Catfish                       | 31,603    | 34,036    | 34,812    | 41,034    | 52,214    |
| Other aquaculture             | 39,600    | 49,774    | 55,174    | 61,793    | 60,000    |
| Other livestock               | 7,470     | 7,780     | 7,257     | 7,380     | 7,450     |
| Crops                         | 1,947,506 | 1,454,603 | 2,249,765 | 2,068,078 | 2,530,163 |
| Food grains                   | 662,060   | 362,091   | 811,168   | 683,791   | 940,080   |
| Rice                          | 533,170   | 242,562   | 687,311   | 513,839   | 644,295   |
| Wheat                         | 128,890   | 119,529   | 123,857   | 169,952   | 295,785   |
| Feed crops                    | 121,377   | 83,162    | 99,936    | 102,733   | 148,071   |
| Corn                          | 19,374    | 20,139    | 20,943    | 25,988    | 56,725    |
| Hay                           | 35,020    | 30,712    | 39,959    | 36,082    | 43,343    |
| Oats                          | 1,921     | 1,899     | 1,949     | 989       | 1,276     |
| Sorghum grain                 | 65,062    | 30,412    | 37,085    | 39,674    | 46,727    |
| Cotton                        | 539,187   | 379,995   | 557,577   | 590,473   | 624,783   |
| Cotton lint, all              | 485,379   | 335,233   | 495,445   | 530,282   | 555,801   |
| Cottonseed                    | 53,808    | 44,762    | 62,132    | 60,191    | 68,982    |
| Oil crops                     | 561,984   | 572,068   | 719,423   | 627,118   | 763,497   |
| Soybeans                      | 561,752   | 571,773   | 719,189   | 626,937   | 763,365   |
| Vegetables                    | 24,582    | 18,756    | 24,419    | 26,076    | 19,820    |
| Tomatoes                      | 9,117     | 5,451     | 9,889     | 10,920    | 4,940     |
| Miscellaneous vegetables      | 8,000     | 8,000     | 8,000     | 9,000     | 9,000     |
| Watermelons                   | 4,200     | 2,999     | 2,538     | 1,920     | 1,716     |
| Fruits/nuts                   | 10,088    | 11,592    | 10,031    | 14,397    | 10,135    |
| Apples                        | 1,010     | 1,810     | 1,225     | 1,360     | 1,169     |
| Grapes                        | 2,070     | 2,710     | 2,619     | 4,438     | 5,035     |
| Peaches                       | 2,652     | 3,069     | 1,960     | 3,189     | 171       |
| Blueberries                   | 1,812     | 1,928     | 1,652     | 1,800     | 1,480     |
| Other berries                 | 600       | 600       | 700       | 770       | 750       |
| Pecans                        | 1,571     | 990       | 1,440     | 1,820     | 1,080     |
| Miscellaneous fruits and nuts | 31        | 100       | 110       | 180       | 150       |
| All other crops               | 28,228    | 26,939    | 27,211    | 23,490    | 23,777    |
| Other seeds                   | 3,500     | 1,500     | 500       | 1,200     | 1,000     |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity     | 1992       | 1993       | 1994       | 1995       | 1996       |
|-------------------------|------------|------------|------------|------------|------------|
| <i>Thousand dollars</i> |            |            |            |            |            |
| Other field crops       | 3,048      | 2,980      | 3,340      | 3,100      | 3,000      |
| Greenhouse/nursery      | 21,680     | 22,436     | 23,348     | 19,167     | 19,754     |
| Floriculture            | 11,680     | 11,936     | 12,348     | 9,167      | 9,754      |
| Other greenhouse        | 10,000     | 10,500     | 11,000     | 10,000     | 10,000     |
| <b>California</b>       |            |            |            |            |            |
| All commodities         | 19,038,850 | 20,333,634 | 21,559,141 | 22,522,620 | 23,309,526 |
| Livestock and products  | 5,100,010  | 5,381,496  | 5,488,710  | 5,549,294  | 6,213,336  |
| Meat animals            | 1,532,068  | 1,714,197  | 1,528,089  | 1,394,572  | 1,259,884  |
| Cattle and calves       | 1,437,117  | 1,590,174  | 1,428,205  | 1,289,765  | 1,144,563  |
| Hogs                    | 41,432     | 50,537     | 45,186     | 35,887     | 41,895     |
| Sheep and lambs         | 53,519     | 73,486     | 54,698     | 68,920     | 73,426     |
| Dairy products          | 2,609,667  | 2,663,209  | 2,967,085  | 3,079,740  | 3,717,116  |
| Milk, retail            | 80,428     | 66,921     | 97,107     | 189,991    | 270,698    |
| Milk, wholesale         | 2,529,239  | 2,596,288  | 2,869,978  | 2,889,749  | 3,446,418  |
| Poultry/eggs            | 873,557    | 874,988    | 874,611    | 932,903    | 1,096,499  |
| Broilers                | 350,549    | 352,512    | 373,230    | 383,175    | 456,690    |
| Farm chickens           | 1,482      | 1,651      | 1,058      | 910        | 812        |
| Chicken eggs            | 277,944    | 265,988    | 255,277    | 288,369    | 367,317    |
| Turkeys                 | 219,929    | 208,980    | 193,242    | 212,520    | 221,738    |
| Other poultry           | 23,653     | 45,857     | 51,804     | 47,929     | 49,942     |
| Miscellaneous livestock | 84,718     | 129,102    | 118,925    | 142,079    | 139,837    |
| Honey                   | 17,072     | 22,500     | 12,240     | 24,608     | 22,932     |
| Wool                    | 4,543      | 2,780      | 3,457      | 5,355      | 3,256      |
| Aquaculture             | 11,694     | 13,258     | 9,767      | 12,055     | 11,384     |
| Catfish                 | 5,243      | 6,551      | 5,181      | 6,703      | 6,502      |
| Trout                   | 6,451      | 6,707      | 4,586      | 5,352      | 4,882      |
| Other livestock         | 51,409     | 90,564     | 93,461     | 100,061    | 102,265    |
| Crops                   | 13,938,840 | 14,952,138 | 16,070,431 | 16,973,326 | 17,096,190 |
| Food grains             | 391,020    | 267,409    | 551,142    | 410,996    | 568,025    |
| Rice                    | 217,102    | 147,207    | 394,808    | 264,700    | 319,880    |
| Wheat                   | 173,918    | 120,202    | 156,334    | 146,296    | 248,145    |
| Feed crops              | 558,125    | 614,405    | 741,438    | 671,272    | 713,442    |
| Barley                  | 29,648     | 23,956     | 29,242     | 38,457     | 46,908     |
| Corn                    | 44,542     | 58,429     | 65,425     | 68,751     | 98,774     |
| Hay                     | 480,228    | 528,708    | 643,660    | 561,748    | 564,621    |
| Oats                    | 3,707      | 3,312      | 3,111      | 2,316      | 3,139      |
| Cotton                  | 1,129,663  | 1,050,028  | 1,219,967  | 1,323,382  | 1,190,503  |
| Cotton lint, all        | 1,023,562  | 933,908    | 1,119,392  | 1,238,460  | 1,072,632  |
| Upland                  | 906,322    | 838,674    | 1,015,741  | 1,156,419  | 909,610    |
| Long staple             | 117,240    | 95,234     | 103,651    | 82,041     | 163,022    |
| Cottonseed              | 106,101    | 116,120    | 100,575    | 84,922     | 117,871    |
| Oil crops               | 33,169     | 62,844     | 63,052     | 56,202     | 60,568     |
| Vegetables              | 4,059,426  | 4,831,802  | 5,217,683  | 5,883,836  | 5,474,485  |
| Beans, dry              | 71,615     | 67,301     | 81,298     | 94,944     | 92,338     |
| Potatoes                | 134,255    | 180,695    | 171,643    | 171,924    | 179,266    |
| Winter                  | 18,926     | 27,136     | 19,333     | 21,519     | 26,144     |
| Spring                  | 65,127     | 95,459     | 88,369     | 82,008     | 84,674     |
| Summer                  | 22,495     | 19,844     | 26,741     | 29,890     | 25,403     |
| Fall                    | 27,707     | 38,256     | 37,200     | 38,507     | 43,045     |
| Sweetpotatoes           | 47,473     | 40,221     | 45,682     | 56,784     | 51,579     |
| Artichokes              | 43,447     | 45,762     | 61,557     | 61,965     | 58,729     |
| Fresh                   | 17,015     | 29,142     | 30,030     | 35,140     | 29,367     |
| Broccoli                | 255,717    | 247,863    | 341,638    | 365,772    | 368,990    |
| Brussels sprouts        | 17,104     | 24,761     | 15,471     | 14,390     | 16,131     |
| Carrots                 | 217,062    | 180,640    | 219,947    | 274,024    | 268,078    |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity              | 1992      | 1993      | 1994      | 1995      | 1996      |
|----------------------------------|-----------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>          |           |           |           |           |           |
| Celery                           | 190,445   | 230,545   | 194,181   | 283,894   | 179,433   |
| Fresh                            | 38,480    | 49,840    | 55,339    | 62,552    | 65,754    |
| Corn, sweet, fresh               | 38,205    | 37,940    | 31,125    | 42,424    | 56,628    |
| Garlic                           | 102,854   | 132,470   | 183,852   | 140,700   | 145,592   |
| Lettuce                          | 926,237   | 1,135,240 | 1,033,085 | 1,453,601 | 1,084,331 |
| Head                             | 687,960   | 837,540   | 698,610   | 1,062,000 | 735,088   |
| Romaine                          | 84,165    | 98,952    | 125,832   | 157,136   | 151,099   |
| Leaf                             | 154,112   | 198,748   | 208,643   | 234,465   | 198,144   |
| Onions                           | 125,426   | 161,668   | 180,482   | 219,641   | 225,929   |
| Spring                           | 42,480    | 59,400    | 23,643    | 46,200    | 26,716    |
| Summer, nonstorage               | 82,946    | 102,268   | 78,485    | 84,456    | NA        |
| Storage                          | NA        | NA        | 78,354    | 88,985    | 199,213   |
| Peppers, green                   | 104,470   | 149,057   | 152,287   | 188,523   | 172,826   |
| Spinach, fresh                   | 26,117    | 39,990    | 36,621    | 43,470    | 42,803    |
| Tomatoes                         | 791,093   | 795,326   | 928,438   | 852,667   | 908,254   |
| Desert or fresh                  | 343,728   | 266,288   | 272,800   | 191,862   | 244,087   |
| Processing                       | 447,365   | 529,038   | 655,638   | 660,805   | 664,167   |
| Miscellaneous vegetables         | 347,442   | 656,547   | 827,313   | 823,954   | 825,000   |
| <br>Cantaloups                   | 161,280   | 188,955   | 179,145   | 205,178   | 232,342   |
| Honeydews                        | 40,950    | 44,088    | 45,177    | 54,155    | 67,802    |
| Watermelons                      | 52,320    | 59,094    | 71,164    | 91,005    | 79,002    |
| <br>Fruits/nuts                  | 5,400,407 | 5,743,184 | 5,716,612 | 5,962,591 | 6,369,767 |
| Grapefruit                       | 44,739    | 52,675    | 53,393    | 52,644    | 55,878    |
| Fresh pink seedless              | 14,137    | 14,995    | 14,712    | 53,932    | 56,429    |
| Fresh white seedless             | 31,218    | 38,038    | 39,812    | NA        | NA        |
| Lemons                           | 183,894   | 230,044   | 207,768   | 226,484   | 178,264   |
| Fresh                            | 170,214   | 211,469   | 192,492   | 216,848   | 168,742   |
| Processing                       | 13,680    | 18,575    | 15,276    | 9,636     | 9,522     |
| Oranges                          | 492,373   | 470,364   | 475,089   | 516,631   | 492,751   |
| Naval, fresh, early and mid      | 286,450   | 303,070   | 277,759   | 266,294   | 260,618   |
| Naval, processing, early and mid | 10,921    | 3,467     | 1,713     | 2,504     | 4,338     |
| Valencias, fresh                 | 194,012   | 171,360   | 200,640   | 256,200   | 239,787   |
| Valencias, processing            | 990       | 599       | 1,597     | 3,359     | 3,316     |
| Tangerines                       | 34,412    | 26,963    | 26,135    | 32,296    | 14,669    |
| Fresh                            | 33,869    | 27,249    | 26,219    | 32,492    | 14,887    |
| Apples                           | 185,624   | 138,131   | 138,478   | 154,815   | 146,912   |
| Fresh                            | 148,030   | 104,634   | 100,365   | 110,485   | 103,933   |
| Processing                       | 37,594    | 33,497    | 38,113    | 44,330    | 42,979    |
| Apricots                         | 32,458    | 32,288    | 43,700    | 21,085    | 32,169    |
| Avocados                         | 197,092   | 135,678   | 247,794   | 228,606   | 226,239   |
| Cherries                         | 38,342    | 43,203    | 63,512    | 41,540    | 45,430    |
| Dates                            | 22,037    | 22,756    | 18,609    | 17,598    | 18,277    |
| Figs                             | 18,985    | 24,341    | 23,768    | 15,841    | 12,606    |
| Grapes                           | 1,684,850 | 1,823,455 | 1,718,322 | 1,859,900 | 2,154,422 |
| Wine                             | 843,000   | 866,382   | 855,915   | 965,150   | 1,192,185 |
| Table                            | 231,717   | 356,111   | 312,667   | 366,774   | 383,486   |
| Raisins                          | 610,133   | 600,962   | 549,740   | 527,976   | 578,751   |
| Nectarines                       | 73,710    | 102,421   | 68,168    | 93,990    | 115,029   |
| Olives                           | 90,585    | 56,974    | 38,977    | 50,065    | 102,588   |
| Peaches                          | 200,146   | 203,105   | 165,388   | 181,022   | 249,336   |
| Freestone                        | 79,510    | 90,072    | 67,918    | 93,175    | 134,826   |
| Clingstone                       | 120,636   | 113,033   | 97,470    | 87,847    | 114,510   |
| Pears                            | 82,983    | 77,806    | 70,269    | 62,183    | 89,728    |
| Bartlett                         | 74,970    | 68,287    | 60,904    | 52,453    | 76,594    |
| Other                            | 8,013     | 9,519     | 9,365     | 9,730     | 13,134    |
| Plums and prunes                 | 245,602   | 256,799   | 251,854   | 317,287   | 286,318   |
| Plums                            | 63,033    | 93,954    | 79,358    | 117,849   | 93,257    |
| Prunes                           | 182,569   | 162,845   | 172,496   | 199,438   | 193,061   |
| Kiwifruit                        | 13,833    | 16,502    | 18,413    | 15,089    | 13,368    |
| Strawberries                     | 513,028   | 457,855   | 647,575   | 611,002   | 584,860   |
| Raspberries                      | 48,276    | 39,000    | 30,000    | 23,325    | 25,520    |
| Blackberry group                 | 1,548     | 1,980     | 1,510     | 1,710     | 2,248     |
| Other berries                    | NA        | 2,356     | 2,537     | 3,200     | 3,200     |
| Almonds                          | 691,340   | 930,618   | 965,202   | 880,896   | 1,008,576 |
| Pecans                           | 4,160     | 2,880     | 1,740     | 3,712     | 1,079     |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992      | 1993      | 1994      | 1995      | 1996      |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>       |           |           |           |           |           |
| Walnuts                       | 286,230   | 361,400   | 238,960   | 327,600   | 317,750   |
| Pistachios                    | 151,410   | 162,640   | 118,809   | 161,320   | 121,800   |
| Miscellaneous fruits and nuts | 62,750    | 70,950    | 80,642    | 62,750    | 70,750    |
| All other crops               | 2,367,030 | 2,382,466 | 2,560,537 | 2,665,047 | 2,719,400 |
| Sugar beets                   | 151,857   | 125,528   | 132,258   | 125,765   | 95,309    |
| Alfalfa                       | 34,068    | 24,116    | 40,381    | 38,520    | 38,500    |
| Other seeds                   | 60,517    | 94,086    | 95,623    | 83,312    | 83,763    |
| Other field crops             | 79,276    | 80,150    | 146,606   | 114,442   | 114,380   |
| Christmas trees               | 24,720    | 21,000    | 18,807    | 14,928    | 15,000    |
| Greenhouse/nursery            | 1,882,421 | 1,902,610 | 1,986,450 | 2,140,928 | 2,223,707 |
| Floriculture                  | 685,785   | 639,404   | 701,448   | 690,928   | 723,707   |
| Other greenhouse              | 1,196,636 | 1,263,206 | 1,285,002 | 1,450,000 | 1,500,000 |
| Mushrooms, agaricus           | 129,831   | 130,564   | 135,435   | 141,266   | 142,456   |
| <b>Colorado</b>               |           |           |           |           |           |
| All commodities               | 3,795,283 | 4,202,333 | 4,051,113 | 4,156,420 | 4,229,447 |
| Livestock and products        | 2,764,612 | 2,992,409 | 2,764,169 | 2,742,570 | 2,759,135 |
| Meat animals                  | 2,452,888 | 2,668,409 | 2,412,908 | 2,375,542 | 2,360,673 |
| Cattle and calves             | 2,336,630 | 2,485,036 | 2,224,165 | 2,164,531 | 2,071,753 |
| Hogs                          | 73,999    | 88,994    | 94,129    | 106,203   | 174,293   |
| Sheep and lambs               | 42,259    | 94,379    | 94,614    | 104,808   | 114,627   |
| Dairy products                | 189,386   | 189,285   | 214,160   | 206,240   | 245,769   |
| Milk, retail                  | 12,372    | 13,395    | 15,600    | 15,400    | 18,009    |
| Milk, wholesale               | 177,014   | 175,890   | 198,560   | 190,840   | 227,760   |
| Poultry/eggs                  | 95,746    | 107,204   | 106,957   | 126,616   | 115,965   |
| Chicken eggs                  | 42,827    | 47,988    | 42,790    | 47,361    | 52,101    |
| Other poultry                 | 90        | 120       | 150       | 200       | 210       |
| Miscellaneous livestock       | 26,592    | 27,511    | 30,144    | 34,172    | 36,728    |
| Honey                         | 2,270     | 2,244     | 1,915     | 1,971     | 1,754     |
| Wool                          | 4,406     | 2,600     | 3,317     | 4,316     | 3,152     |
| Aquaculture                   | 2,370     | 2,134     | 2,274     | 2,269     | 2,420     |
| All other livestock           | 17,000    | 20,000    | 22,000    | 25,000    | 28,000    |
| Crops                         | 1,030,671 | 1,209,924 | 1,286,944 | 1,413,850 | 1,470,312 |
| Food grains                   | 216,382   | 261,040   | 299,196   | 417,920   | 391,596   |
| Wheat                         | 216,294   | 260,984   | 299,107   | 417,808   | 391,421   |
| Feed crops                    | 438,775   | 424,922   | 484,380   | 509,322   | 551,284   |
| Barley                        | 20,299    | 23,109    | 15,178    | 26,441    | 26,525    |
| Corn                          | 272,227   | 223,864   | 278,663   | 305,984   | 327,659   |
| Hay                           | 128,076   | 165,381   | 171,722   | 159,259   | 169,133   |
| Oats                          | 958       | 1,255     | 1,004     | 1,412     | 1,983     |
| Sorghum grain                 | 17,215    | 11,313    | 17,813    | 16,226    | 25,984    |
| Oil crops                     | 7,734     | 11,482    | 12,854    | 13,218    | 15,092    |
| Sunflower                     | 7,426     | 10,520    | 11,322    | 11,702    | 14,603    |
| Vegetables                    | 198,836   | 333,919   | 304,186   | 275,477   | 287,913   |
| Beans, dry                    | 43,160    | 69,128    | 55,413    | 45,261    | 53,928    |
| Potatoes                      | 64,730    | 110,296   | 130,638   | 119,626   | 123,874   |
| Summer                        | 10,517    | 13,038    | 14,878    | 17,041    | 15,104    |
| Fall                          | 54,213    | 97,258    | 115,760   | 102,585   | 108,770   |
| Cabbage                       | 2,336     | 4,859     | 6,365     | 3,534     | 7,293     |
| Carrots                       | 10,059    | 9,150     | 11,780    | 23,085    | 10,189    |
| Corn, sweet                   | 4,668     | 7,224     | 7,258     | 5,805     | 8,197     |
| Cucumbers                     | 1,139     | 2,010     | 1,728     | 956       | 1,080     |
| Lettuce                       | 16,116    | 11,275    | 6,970     | 6,564     | 4,158     |
| Onions                        | 45,145    | 102,274   | 63,865    | 53,712    | 60,803    |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992    | 1993    | 1994    | 1995    | 1996    |
|-------------------------------|---------|---------|---------|---------|---------|
| <i>Thousand dollars</i>       |         |         |         |         |         |
| Spinach                       | 6,786   | 10,185  | 8,670   | 5,075   | 4,290   |
| Miscellaneous vegetables      | 3,500   | 5,000   | 7,000   | 9,000   | 10,000  |
| Cantaloups                    | 1,080   | 2,328   | 4,147   | 2,657   | 3,672   |
| Fruits/nuts                   | 18,710  | 22,051  | 21,780  | 20,292  | 17,263  |
| Apples                        | 10,841  | 13,495  | 12,981  | 8,881   | 5,853   |
| Fresh                         | 9,055   | 12,001  | 11,847  | 6,763   | 4,079   |
| Processing                    | 1,786   | 1,494   | 1,134   | 2,118   | 1,774   |
| Peaches                       | 5,165   | 5,287   | 5,742   | 7,932   | 7,934   |
| Pears                         | 1,137   | 1,670   | 1,097   | 1,000   | 480     |
| Other berries                 | 70      | 75      | 70      | 65      | 70      |
| Miscellaneous fruits and nuts | 950     | 1,300   | 1,500   | 2,000   | 2,500   |
| All other crops               | 150,234 | 156,510 | 164,548 | 177,621 | 207,164 |
| Sugar beets                   | 37,683  | 35,482  | 33,772  | 25,311  | 36,533  |
| Other seeds                   | 950     | 900     | 950     | 930     | 900     |
| Other field crops             | 14,000  | 15,000  | 12,000  | 13,000  | 15,000  |
| Greenhouse/nursery            | 88,562  | 97,315  | 108,950 | 127,818 | 144,039 |
| Floriculture                  | 52,662  | 58,515  | 54,950  | 63,818  | 70,039  |
| Other greenhouse              | 33,000  | 35,000  | 40,000  | 42,000  | 45,000  |
| Greenhouse tomatoes           | 2,900   | 3,800   | 14,000  | 22,000  | 29,000  |
| <b>Connecticut</b>            |         |         |         |         |         |
| All commodities               | 464,649 | 482,454 | 477,791 | 458,159 | 489,113 |
| Livestock and products        | 252,014 | 268,933 | 253,549 | 227,696 | 236,700 |
| Meat animals                  | 16,758  | 18,951  | 16,077  | 15,089  | 13,248  |
| Cattle and calves             | 15,374  | 17,488  | 14,868  | 13,900  | 11,295  |
| Hogs                          | 948     | 1,060   | 810     | 730     | 1,494   |
| Dairy products                | 76,319  | 74,477  | 74,562  | 72,208  | 78,970  |
| Milk, retail                  | 2,679   | 2,805   | 3,116   | 3,628   | 4,558   |
| Milk, wholesale               | 73,640  | 71,672  | 71,446  | 68,580  | 74,412  |
| Poultry/eggs                  | 90,805  | 107,368 | 100,966 | 72,073  | 76,178  |
| Chicken eggs                  | 75,905  | 84,803  | 80,757  | 52,707  | 58,583  |
| Other poultry                 | 12,685  | 20,000  | 18,230  | 17,680  | 16,987  |
| Miscellaneous livestock       | 68,132  | 68,137  | 61,944  | 68,326  | 68,304  |
| Aquaculture                   | 61,753  | 61,753  | 55,558  | 61,881  | 61,881  |
| Other livestock               | 6,305   | 6,310   | 6,318   | 6,352   | 6,343   |
| Crops                         | 212,635 | 213,521 | 224,242 | 230,463 | 252,413 |
| Feed crops                    | 4,559   | 4,045   | 4,669   | 4,613   | 4,397   |
| Hay                           | 4,559   | 4,045   | 4,669   | 4,613   | 4,397   |
| Tobacco                       | 30,075  | 21,310  | 24,861  | 4,294   | 7,623   |
| Vegetables                    | 21,608  | 24,763  | 24,941  | 24,614  | 26,763  |
| Corn, sweet                   | 5,648   | 7,755   | 7,975   | 7,560   | 7,911   |
| Miscellaneous vegetables      | 15,960  | 17,008  | 16,966  | 17,054  | 18,852  |
| Fruits/nuts                   | 16,169  | 15,093  | 15,189  | 14,383  | 15,037  |
| Apples                        | 7,245   | 5,984   | 6,407   | 5,924   | 6,139   |
| Fresh                         | 6,603   | 5,306   | 5,771   | 5,246   | 5,336   |
| Peaches                       | 1,850   | 1,820   | 1,100   | 1,260   | 1,540   |
| Other berries                 | 5,037   | 5,245   | 5,433   | 4,704   | 4,771   |
| Miscellaneous fruits and nuts | 1,224   | 1,324   | 1,524   | 1,830   | 1,826   |
| All other crops               | 140,224 | 148,310 | 154,582 | 182,559 | 198,593 |
| Christmas trees               | 8,000   | 8,000   | 8,000   | 8,200   | 8,350   |
| Greenhouse/nursery            | 99,452  | 107,881 | 111,542 | 118,251 | 123,149 |
| Floriculture                  | 35,452  | 40,881  | 41,542  | 46,251  | 49,149  |
| Other greenhouse              | 64,000  | 67,000  | 70,000  | 72,000  | 74,000  |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992      | 1993      | 1994      | 1995      | 1996      |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>       |           |           |           |           |           |
| <b>Delaware</b>               |           |           |           |           |           |
| All commodities               | 609,110   | 611,550   | 659,963   | 678,633   | 757,036   |
| Livestock and products        | 449,257   | 466,994   | 505,372   | 516,953   | 573,456   |
| Meat animals                  | 9,639     | 14,822    | 9,942     | 7,102     | 9,782     |
| Cattle and calves             | 4,440     | 8,932     | 3,163     | 2,566     | 4,494     |
| Hogs                          | 5,191     | 5,874     | 6,764     | 4,520     | 5,270     |
| Dairy products                | 19,208    | 19,564    | 19,454    | 19,008    | 21,114    |
| Milk, wholesale               | 19,208    | 19,564    | 19,454    | 19,008    | 21,114    |
| Poultry/eggs                  | 417,087   | 429,266   | 472,606   | 487,439   | 539,137   |
| Broilers                      | 401,798   | 414,528   | 458,615   | 474,096   | 524,216   |
| Chicken eggs                  | 14,623    | 14,310    | 13,680    | 12,995    | 14,578    |
| Other poultry                 | 42        | 44        | 46        | 48        | 49        |
| Miscellaneous livestock       | 3,323     | 3,342     | 3,370     | 3,404     | 3,423     |
| Other livestock               | 3,300     | 3,320     | 3,350     | 3,380     | 3,400     |
| Crops                         | 159,853   | 144,556   | 154,591   | 161,680   | 183,580   |
| Food grains                   | 10,905    | 10,105    | 11,821    | 17,005    | 18,117    |
| Wheat                         | 10,905    | 10,105    | 11,821    | 17,005    | 18,117    |
| Feed crops                    | 27,470    | 21,254    | 23,593    | 26,580    | 39,230    |
| Barley                        | 2,542     | 2,445     | 1,801     | 3,001     | 2,823     |
| Corn                          | 23,656    | 17,656    | 20,536    | 22,500    | 35,176    |
| Hay                           | 1,272     | 1,153     | 1,256     | 1,079     | 1,231     |
| Oil crops                     | 37,438    | 30,779    | 36,557    | 28,271    | 40,953    |
| Soybeans                      | 37,376    | 30,748    | 36,542    | 28,251    | 40,935    |
| Vegetables                    | 42,281    | 39,768    | 37,255    | 47,896    | 43,528    |
| Potatoes                      | 10,083    | 7,232     | 6,855     | 11,836    | 9,971     |
| Beans, snap, fresh            | 238       | 485       | 432       | 759       | 496       |
| Miscellaneous vegetables      | 16,645    | 15,825    | 13,767    | 14,205    | 14,400    |
| Watermelons                   | 2,214     | 3,240     | 1,795     | 4,704     | 3,276     |
| Fruits/nuts                   | 4,221     | 4,305     | 4,853     | 3,316     | 4,183     |
| Apples                        | 3,066     | 2,975     | 3,335     | 1,945     | 2,558     |
| Other berries                 | 380       | 403       | 480       | 508       | 640       |
| Miscellaneous fruits and nuts | 85        | 87        | 89        | 91        | 92        |
| All other crops               | 37,538    | 38,345    | 40,512    | 38,612    | 37,569    |
| Other seeds                   | 23        | 24        | 25        | 26        | 26        |
| Other field crops             | 6,729     | 7,048     | 8,638     | 7,518     | 6,975     |
| Christmas trees               | NA        | NA        | 305       | 304       | 304       |
| Greenhouse/nursery            | 27,509    | 27,523    | 27,665    | 27,850    | 27,895    |
| Mushrooms, agaricus           | 3,277     | 3,739     | 3,868     | 2,887     | 2,342     |
| <b>Florida</b>                |           |           |           |           |           |
| All commodities               | 6,140,095 | 6,078,015 | 6,046,641 | 5,955,589 | 6,130,658 |
| Livestock and products        | 1,165,874 | 1,211,131 | 1,194,533 | 1,137,759 | 1,188,193 |
| Meat animals                  | 362,616   | 377,674   | 348,328   | 301,491   | 231,576   |
| Cattle and calves             | 349,447   | 362,495   | 335,837   | 289,802   | 217,008   |
| Hogs                          | 13,126    | 15,106    | 12,399    | 11,581    | 14,441    |
| Dairy products                | 401,700   | 385,503   | 408,408   | 363,528   | 431,280   |
| Milk, wholesale               | 401,700   | 385,503   | 408,408   | 363,528   | 431,280   |
| Poultry/eggs                  | 259,678   | 298,831   | 291,605   | 315,475   | 353,469   |
| Broilers                      | 164,856   | 187,714   | 191,151   | 218,361   | 230,607   |
| Farm chickens                 | 3,028     | 3,569     | 1,406     | 895       | 88        |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity              | 1992      | 1993      | 1994      | 1995      | 1996      |
|----------------------------------|-----------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>          |           |           |           |           |           |
| Chicken eggs                     | 91,104    | 106,838   | 98,348    | 95,519    | 122,064   |
| Other poultry                    | 690       | 710       | 700       | 700       | 710       |
| Miscellaneous livestock          | 141,880   | 149,123   | 146,192   | 157,265   | 171,868   |
| Honey                            | 12,126    | 11,300    | 9,080     | 12,659    | 22,932    |
| Other livestock                  | 128,023   | 137,450   | 136,820   | 144,307   | 148,780   |
| Crops                            | 4,974,221 | 4,866,884 | 4,852,108 | 4,817,830 | 4,942,465 |
| Food grains                      | 2,349     | 2,268     | 1,717     | 1,255     | 1,534     |
| Wheat                            | 2,349     | 2,268     | 1,717     | 1,255     | 1,534     |
| Feed crops                       | 24,506    | 22,895    | 25,070    | 23,882    | 30,643    |
| Corn                             | 11,117    | 12,094    | 11,045    | 12,033    | 19,092    |
| Hay                              | 13,389    | 10,801    | 14,025    | 11,849    | 11,551    |
| Cotton                           | 20,502    | 23,393    | 37,916    | 38,598    | 47,432    |
| Cotton lint, all                 | 18,285    | 20,590    | 34,751    | 35,004    | 41,809    |
| Tobacco                          | 31,729    | 30,638    | 27,248    | 30,907    | 31,021    |
| Oil crops                        | 65,312    | 65,815    | 65,860    | 57,783    | 64,657    |
| Peanuts                          | 57,886    | 57,684    | 58,302    | 52,551    | 59,040    |
| Soybeans                         | 7,375     | 8,091     | 7,490     | 5,165     | 5,545     |
| Vegetables                       | 1,756,993 | 1,688,676 | 1,448,371 | 1,321,518 | 1,303,167 |
| Potatoes                         | 92,359    | 128,194   | 118,655   | 84,010    | 81,926    |
| Winter                           | 35,420    | 42,234    | 54,584    | 27,168    | 4,206     |
| Spring                           | 30,174    | 51,260    | 41,295    | 34,904    | 59,747    |
| Other                            | 26,765    | 34,700    | 22,776    | 21,938    | 17,973    |
| Beans, snap, fresh               | 71,271    | 70,517    | 59,076    | 63,206    | 70,960    |
| Carrots                          | 20,228    | 25,551    | 11,252    | 16,971    | 12,768    |
| Corn, sweet                      | 73,149    | 102,588   | 105,232   | 108,423   | 92,879    |
| Cucumbers                        | 86,097    | 80,010    | 58,200    | 51,081    | 78,920    |
| Fresh                            | 78,747    | 72,072    | 47,488    | 37,795    | 54,426    |
| Processing                       | 7,350     | 7,938     | 10,712    | 13,286    | 24,494    |
| Eggplant, all                    | 17,410    | 13,075    | 15,606    | 14,005    | 11,424    |
| Escarole                         | 7,000     | 7,611     | 8,969     | 9,440     | 5,300     |
| Lettuce                          | 18,128    | 26,770    | 16,884    | 10,118    | 6,985     |
| Head                             | 13,948    | 21,249    | 13,080    | NA        | NA        |
| Romaine                          | 2,916     | 3,763     | 2,702     | 7,794     | 5,565     |
| Leaf                             | 1,264     | 1,758     | 1,102     | 2,324     | 1,420     |
| Peppers, green                   | 209,630   | 215,939   | 197,465   | 177,188   | 211,554   |
| Tomatoes, fresh                  | 821,805   | 607,464   | 465,663   | 414,966   | 381,996   |
| Radishes                         | 21,578    | 36,961    | 25,888    | 23,873    | 20,021    |
| Squash                           | 45,850    | 38,170    | 43,216    | 41,686    | 27,297    |
| Miscellaneous vegetables         | 135,322   | 167,162   | 212,014   | 216,019   | 221,086   |
| Watermelons                      | 66,150    | 66,600    | 57,868    | 62,700    | 49,980    |
| Fruits/nuts                      | 1,496,193 | 1,487,798 | 1,619,356 | 1,688,828 | 1,774,086 |
| Grapefruit                       | 309,484   | 239,353   | 251,406   | 232,392   | 219,664   |
| Fresh pink seedless              | 135,450   | 109,834   | 101,495   | 90,872    | 108,248   |
| Processing pink seedless         | 29,621    | 23,947    | 22,135    | 24,402    | 14,550    |
| Fresh white seedless             | 67,108    | 44,420    | 61,625    | 46,981    | 40,997    |
| Processing white seedless        | 70,820    | 55,529    | 62,645    | 65,618    | 51,597    |
| Processing, other                | 6,485     | 5,623     | 3,506     | 4,519     | 4,272     |
| Lemons                           | 2,637     | 2,879     | 2,675     | 2,079     | 2,847     |
| Limes                            | 11,213    | 3,171     | 3,687     | 4,001     | 1,632     |
| Fresh                            | 10,445    | 3,011     | 3,546     | 3,837     | 1,541     |
| Oranges                          | 966,764   | 1,033,810 | 1,168,788 | 1,179,082 | 1,290,577 |
| Naval, fresh, early and mid      | 46,217    | 58,621    | 46,149    | 50,479    | 60,635    |
| Naval, processing, early and mid | 418,160   | 545,101   | 666,548   | 572,962   | 539,631   |
| Valencias, fresh                 | 32,439    | 16,721    | 18,819    | 26,320    | 30,704    |
| Valencias, processing            | 449,969   | 400,924   | 424,585   | 514,391   | 644,423   |
| Temple, fresh                    | 8,819     | 5,966     | 5,142     | 5,581     | 5,767     |
| Temple, processing               | 11,160    | 6,477     | 7,545     | 9,349     | 9,417     |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992      | 1993      | 1994      | 1995      | 1996      |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>       |           |           |           |           |           |
| Tangelos                      | 14,994    | 20,361    | 13,508    | 16,942    | 17,470    |
| Fresh                         | 9,863     | 11,024    | 7,008     | 8,738     | 8,789     |
| Processing                    | 5,131     | 9,337     | 6,500     | 8,204     | 8,681     |
| K-early citrus                | 3,434     | 3,143     | 4,606     | 6,914     | 9,221     |
| Avocados                      | 7,701     | 3,608     | 12,320    | 11,324    | 12,408    |
| Mangos                        | 4,280     | 950       | 1,500     | 1,725     | 1,500     |
| Strawberries                  | 108,864   | 121,313   | 101,425   | 118,608   | 112,632   |
| Blueberries                   | 3,752     | 1,300     | 5,690     | 5,050     | 4,965     |
| Other berries                 | 100       | 100       | 100       | 100       | 100       |
| Pecans                        | 3,770     | 3,460     | 1,600     | 945       | 1,095     |
| Miscellaneous fruits and nuts | 12,800    | 6,900     | 18,900    | 29,800    | 35,700    |
| All other crops               | 1,576,637 | 1,545,401 | 1,626,570 | 1,655,059 | 1,689,925 |
| Cane for sugar                | 471,087   | 442,738   | 459,911   | 458,205   | 461,741   |
| Other seeds                   | 4,200     | 4,200     | 4,300     | 4,400     | 4,400     |
| Other field crops             | 32,275    | 39,169    | 37,687    | 37,028    | 37,898    |
| Christmas trees               | 1,000     | 1,000     | 1,000     | 1,000     | 1,000     |
| Greenhouse/nursery            | 1,027,694 | 1,017,655 | 1,080,986 | 1,109,773 | 1,140,419 |
| Floriculture                  | 552,694   | 542,655   | 600,986   | 629,773   | 660,419   |
| Other greenhouse              | 475,000   | 475,000   | 480,000   | 480,000   | 480,000   |
| Mushrooms, agaricus           | 40,354    | 40,608    | 42,455    | 44,377    | 44,427    |
| <b>Georgia</b>                |           |           |           |           |           |
| All commodities               | 4,071,451 | 4,232,361 | 4,687,582 | 5,136,236 | 5,687,046 |
| Livestock and products        | 2,284,587 | 2,548,528 | 2,670,995 | 2,788,594 | 3,279,260 |
| Meat animals                  | 436,135   | 463,897   | 418,419   | 428,819   | 404,196   |
| Cattle and calves             | 267,564   | 287,403   | 269,535   | 284,886   | 236,328   |
| Hogs                          | 168,410   | 176,359   | 148,532   | 143,702   | 167,612   |
| Dairy products                | 229,860   | 226,510   | 238,183   | 222,046   | 241,561   |
| Milk, retail                  | 2,605     | 3,070     | 2,763     | 3,256     | 3,581     |
| Milk, wholesale               | 227,255   | 223,440   | 235,420   | 218,790   | 237,980   |
| Poultry/eggs                  | 1,583,335 | 1,822,378 | 1,975,433 | 2,102,238 | 2,588,655 |
| Broilers                      | 1,268,096 | 1,501,440 | 1,653,225 | 1,771,920 | 2,205,294 |
| Farm chickens                 | 11,022    | 13,866    | 10,284    | 8,414     | 11,233    |
| Chicken eggs                  | 269,654   | 276,580   | 282,045   | 289,545   | 348,002   |
| Turkeys                       | 24,596    | 18,399    | 17,227    | 19,331    | 7,308     |
| Other poultry                 | 9,967     | 12,093    | 12,652    | 13,028    | 16,818    |
| Miscellaneous livestock       | 35,257    | 35,743    | 38,960    | 35,491    | 44,848    |
| Honey                         | 3,086     | 2,733     | 2,873     | 3,081     | 4,539     |
| All other livestock           | 27,514    | 28,842    | 31,824    | 28,885    | 31,423    |
| Crops                         | 1,786,864 | 1,683,833 | 2,016,587 | 2,347,642 | 2,407,786 |
| Food grains                   | 45,606    | 41,770    | 56,259    | 42,677    | 88,477    |
| Rye                           | 2,192     | 2,096     | 3,420     | 2,191     | 3,488     |
| Wheat                         | 43,414    | 39,674    | 52,839    | 40,486    | 84,989    |
| Feed crops                    | 151,720   | 111,335   | 139,857   | 117,782   | 167,735   |
| Corn                          | 119,981   | 86,500    | 101,972   | 85,088    | 133,287   |
| Hay                           | 26,408    | 19,749    | 31,472    | 29,794    | 31,274    |
| Oats                          | 2,802     | 1,986     | 2,739     | 1,022     | 1,700     |
| Sorghum grain                 | 2,529     | 3,100     | 3,674     | 1,878     | 1,474     |
| Cotton                        | 219,979   | 241,824   | 391,759   | 741,333   | 781,640   |
| Cotton lint, all              | 202,987   | 224,626   | 365,735   | 701,209   | 727,696   |
| Cottonseed                    | 16,992    | 17,198    | 26,024    | 40,124    | 53,944    |
| Tobacco                       | 170,101   | 156,805   | 135,854   | 148,505   | 176,320   |
| Oil crops                     | 638,942   | 504,517   | 612,401   | 480,989   | 446,117   |
| Peanuts                       | 551,601   | 428,899   | 532,712   | 417,902   | 388,552   |
| Soybeans                      | 85,952    | 74,210    | 76,142    | 59,991    | 56,482    |

See footnotes at end of table.

Continued—



**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992    | 1993    | 1994    | 1995    | 1996    |
|-------------------------------|---------|---------|---------|---------|---------|
| <i>Thousand dollars</i>       |         |         |         |         |         |
| Vegetables                    | 267,081 | 281,555 | 340,542 | 434,069 | 378,469 |
| Sweetpotatoes                 | 6,342   | 4,916   | 4,281   | 4,128   | 4,681   |
| Beans, green lima             | 4,428   | 3,264   | 4,350   | 5,280   | 4,216   |
| Beans, snap, fresh            | 16,414  | 13,000  | 16,072  | 16,800  | 14,208  |
| Cabbage                       | 13,680  | 33,418  | 24,300  | 35,340  | 33,867  |
| Corn, sweet                   | 16,029  | 11,622  | 33,660  | 35,000  | 23,976  |
| Cucumbers, fresh              | NA      | 16,380  | 23,814  | 28,800  | 21,257  |
| Onions                        | 35,204  | 44,372  | 40,510  | 66,738  | 53,800  |
| Tomatoes                      | 36,112  | 25,480  | 34,965  | 56,823  | 43,740  |
| Miscellaneous vegetables      | 110,842 | 103,095 | 124,142 | 117,684 | 126,602 |
| Cantaloups                    | 5,920   | 4,648   | 6,563   | 10,010  | 13,923  |
| Watermelons                   | 19,236  | 18,900  | 25,500  | 54,285  | 32,400  |
| Fruits/nuts                   | 91,002  | 128,714 | 102,698 | 127,724 | 77,944  |
| Apples                        | 4,488   | 4,541   | 3,051   | 4,251   | 3,680   |
| Grapes                        | 2,630   | 3,035   | 2,481   | 3,318   | 3,517   |
| Peaches                       | 26,714  | 32,245  | 27,549  | 29,657  | 3,380   |
| Blueberries                   | 9,090   | 2,610   | 4,125   | 7,760   | 4,415   |
| Other berries                 | 1,020   | 612     | 1,674   | 1,579   | 887     |
| Pecans                        | 45,060  | 83,560  | 62,900  | 79,961  | 61,884  |
| Miscellaneous fruits and nuts | 2,000   | 2,111   | 918     | 1,198   | 181     |
| All other crops               | 202,433 | 217,313 | 237,217 | 254,563 | 291,084 |
| Other seeds                   | 4,744   | 5,959   | 5,768   | 7,602   | 8,000   |
| Other field crops             | 3,408   | 3,165   | 3,583   | 4,257   | 4,529   |
| Greenhouse/nursery            | 191,200 | 204,900 | 223,300 | 237,300 | 273,000 |
| Floriculture                  | 40,260  | 44,933  | 47,540  | 54,250  | 54,397  |
| Other greenhouse              | 150,940 | 159,967 | 175,760 | 183,050 | 218,603 |
| Mushrooms, agaricus           | NA      | 3,289   | 4,126   | 4,964   | 5,115   |
| <b>Hawaii</b>                 |         |         |         |         |         |
| All commodities               | 526,167 | 507,498 | 508,732 | 494,465 | 482,589 |
| Livestock and products        | 89,154  | 85,257  | 76,821  | 71,861  | 65,995  |
| Meat animals                  | 35,842  | 33,414  | 26,059  | 21,506  | 18,719  |
| Cattle and calves             | 29,235  | 26,860  | 19,700  | 14,639  | 11,905  |
| Hogs                          | 6,521   | 6,293   | 6,175   | 6,672   | 6,585   |
| Dairy products                | 32,495  | 32,035  | 31,747  | 32,146  | 29,234  |
| Milk, wholesale               | 32,495  | 32,035  | 31,747  | 32,146  | 29,234  |
| Poultry/eggs                  | 18,841  | 17,459  | 16,723  | 15,662  | 15,200  |
| Broilers                      | 2,807   | 2,256   | 2,575   | 1,995   | 2,080   |
| Chicken eggs                  | 15,846  | 15,005  | 13,959  | 13,516  | 12,963  |
| Other poultry                 | 10      | 20      | 20      | 20      | 20      |
| Miscellaneous livestock       | 1,976   | 2,349   | 2,292   | 2,547   | 2,842   |
| Other livestock               | 1,233   | 1,490   | 1,758   | 1,897   | 1,819   |
| Crops                         | 437,013 | 422,241 | 431,911 | 422,604 | 416,594 |
| Vegetables                    | 38,787  | 36,717  | 39,710  | 42,096  | 39,472  |
| Taro                          | 3,002   | 2,760   | 2,806   | 3,264   | 2,891   |
| Ginger root                   | 6,380   | 5,247   | 5,220   | 5,046   | 7,050   |
| Cucumbers                     | 1,715   | 1,656   | 1,547   | 1,600   | NA      |
| Peppers, green                | 1,596   | 1,425   | 1,325   | 1,392   | 1,273   |
| Tomatoes                      | 2,976   | 3,024   | 2,548   | 2,910   | 3,630   |
| Miscellaneous vegetables      | 17,383  | 16,938  | 20,372  | 20,655  | 19,000  |
| Watermelons                   | 1,280   | 1,696   | 2,208   | 3,120   | 2,788   |
| Fruits/nuts                   | 161,209 | 141,509 | 150,624 | 169,488 | 179,932 |
| Pineapples                    | 102,100 | 79,850  | 78,890  | 87,360  | 87,282  |
| Coffee                        | 4,080   | 6,525   | 12,040  | 16,200  | 20,150  |
| Bananas                       | 4,920   | 4,446   | 5,069   | 5,200   | 5,200   |
| Papayas                       | 14,415  | 13,673  | 13,831  | 18,494  | 18,488  |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992      | 1993      | 1994      | 1995      | 1996      |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>       |           |           |           |           |           |
| Guavas                        | 1,896     | 2,171     | 2,549     | 2,378     | 2,331     |
| Macadamia nuts                | 32,640    | 32,980    | 36,225    | 37,740    | 44,070    |
| Miscellaneous fruits and nuts | 775       | 1,558     | 1,794     | 1,861     | 2,148     |
| All other crops               | 237,017   | 244,015   | 241,577   | 211,020   | 197,190   |
| Cane for sugar                | 159,103   | 165,938   | 163,066   | 131,461   | 108,334   |
| Other seeds                   | 7,319     | 7,500     | 9,600     | 9,640     | 12,230    |
| Other field crops             | 804       | 915       | 1,728     | 2,048     | 2,075     |
| Greenhouse/nursery            | 69,679    | 69,513    | 67,005    | 67,787    | 74,487    |
| Floriculture                  | 45,145    | 48,893    | 46,281    | 45,213    | 51,987    |
| Other greenhouse              | 24,534    | 20,620    | 20,724    | 22,574    | 22,500    |
| <b>Idaho</b>                  |           |           |           |           |           |
| All commodities               | 2,732,107 | 2,887,907 | 2,950,426 | 3,153,399 | 3,409,945 |
| Livestock and products        | 1,145,224 | 1,167,072 | 1,199,068 | 1,221,284 | 1,329,258 |
| Meat animals                  | 715,919   | 717,124   | 677,825   | 645,388   | 603,629   |
| Cattle and calves             | 693,414   | 691,870   | 652,120   | 618,134   | 573,575   |
| Hogs                          | 8,318     | 10,351    | 9,475     | 9,153     | 9,830     |
| Sheep and lambs               | 14,187    | 14,903    | 16,230    | 18,101    | 20,224    |
| Dairy products                | 370,800   | 387,960   | 456,330   | 508,130   | 652,605   |
| Milk, wholesale               | 370,800   | 387,960   | 456,330   | 508,130   | 652,605   |
| Poultry/eggs                  | 11,499    | 13,208    | 14,135    | 12,470    | 15,464    |
| Chicken eggs                  | 11,164    | 12,837    | 13,716    | 12,039    | 15,050    |
| Other poultry                 | 294       | 320       | 346       | 374       | 405       |
| Miscellaneous livestock       | 47,006    | 48,780    | 50,778    | 55,296    | 57,560    |
| Honey                         | 3,580     | 4,910     | 3,896     | 4,140     | 4,455     |
| Wool                          | 1,718     | 1,202     | 1,533     | 1,904     | 1,381     |
| Aquaculture                   | 28,450    | 29,180    | 30,174    | 33,197    | 32,232    |
| Other livestock               | 13,258    | 13,488    | 15,175    | 16,055    | 19,492    |
| Mink pelts                    | 4,712     | 4,522     | 5,763     | 6,155     | 9,054     |
| All other livestock           | 8,546     | 8,966     | 9,412     | 9,900     | 10,438    |
| Crops                         | 1,586,883 | 1,720,835 | 1,751,358 | 1,932,115 | 2,080,687 |
| Food grains                   | 336,260   | 310,042   | 323,645   | 399,053   | 483,914   |
| Wheat                         | 336,260   | 310,042   | 323,645   | 399,053   | 483,914   |
| Feed crops                    | 264,050   | 324,216   | 316,552   | 345,601   | 370,322   |
| Barley                        | 124,618   | 124,838   | 125,435   | 145,488   | 155,296   |
| Corn                          | 12,699    | 8,657     | 10,866    | 11,118    | 14,781    |
| Hay                           | 125,662   | 189,618   | 179,399   | 187,832   | 198,405   |
| Oats                          | 1,071     | 1,103     | 852       | 1,163     | 1,840     |
| Oil crops                     | 2,794     | 4,181     | 7,749     | 7,570     | 3,604     |
| Vegetables                    | 626,190   | 723,399   | 719,457   | 818,041   | 848,101   |
| Beans, dry                    | 35,639    | 39,278    | 53,262    | 43,882    | 45,528    |
| Peas, dry                     | 14,299    | 16,292    | 15,192    | 23,187    | 13,467    |
| Dry, edible                   | 8,041     | 6,862     | 9,475     | 15,014    | 6,726     |
| Wrinkled seed                 | 5,360     | 8,020     | 5,189     | 6,902     | 5,467     |
| Austrian winter               | 898       | 1,410     | 528       | 1,271     | 1,274     |
| Lentils (beans)               | 10,819    | 12,600    | 12,903    | 17,154    | 8,272     |
| Potatoes                      | 513,634   | 557,472   | 572,811   | 675,663   | 715,708   |
| Corn, sweet                   | 8,737     | 10,422    | 9,012     | 9,293     | 12,263    |
| Onions                        | 33,637    | 78,754    | 50,989    | 41,910    | 47,410    |
| Miscellaneous vegetables      | 2,600     | 2,782     | 2,977     | 3,185     | 3,408     |
| Fruits/nuts                   | 23,333    | 23,073    | 25,078    | 22,694    | 35,209    |
| Apples                        | 17,139    | 16,642    | 17,437    | 15,056    | 22,147    |
| Fresh                         | 15,165    | 13,562    | 14,786    | 11,071    | 16,549    |
| Processing                    | 1,974     | 3,080     | 2,651     | 3,985     | 5,598     |
| Cherries                      | 1,073     | 1,108     | 1,882     | 1,092     | 2,681     |
| Peaches                       | 1,372     | 1,597     | 1,264     | 1,380     | 3,855     |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992      | 1993      | 1994      | 1995      | 1996      |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>       |           |           |           |           |           |
| Plums and prunes              | 1,168     | 847       | 1,355     | 1,863     | 3,055     |
| Other berries                 | 144       | 151       | 159       | 167       | 177       |
| Miscellaneous fruits and nuts | 2,437     | 2,728     | 2,981     | 3,136     | 3,294     |
| All other crops               | 334,256   | 335,924   | 358,877   | 339,156   | 339,537   |
| Sugar beets                   | 194,040   | 195,000   | 213,104   | 191,484   | 184,073   |
| Other seeds                   | 58,888    | 60,415    | 57,380    | 55,984    | 57,618    |
| Hops                          | 9,373     | 9,637     | 11,035    | 9,610     | 8,282     |
| Mint                          | 18,818    | 15,511    | 19,736    | 21,859    | 26,587    |
| Peppermint                    | 14,423    | 13,032    | 18,048    | 20,064    | 24,781    |
| Spearmint                     | 4,395     | 2,479     | 1,688     | 1,795     | 1,806     |
| Other field crops             | 926       | 982       | 883       | 941       | 1,005     |
| Christmas trees               | 4,646     | 4,971     | 5,319     | 5,691     | 6,089     |
| Greenhouse/nursery            | 47,143    | 49,068    | 51,106    | 53,265    | 55,553    |
| <b>Illinois</b>               |           |           |           |           |           |
| All commodities               | 7,435,290 | 8,149,782 | 7,946,671 | 8,462,436 | 9,049,998 |
| Livestock and products        | 2,165,579 | 2,233,581 | 2,050,196 | 1,925,935 | 2,061,103 |
| Meat animals                  | 1,754,414 | 1,824,789 | 1,621,536 | 1,528,778 | 1,609,675 |
| Cattle and calves             | 707,872   | 703,989   | 671,069   | 622,257   | 564,158   |
| Hogs                          | 1,037,381 | 1,112,479 | 942,568   | 898,861   | 1,038,640 |
| Sheep and lambs               | 9,161     | 8,321     | 7,899     | 7,660     | 6,877     |
| Dairy products                | 331,569   | 318,150   | 334,894   | 303,104   | 345,300   |
| Milk, wholesale               | 331,569   | 318,150   | 334,894   | 303,104   | 345,300   |
| Poultry/eggs                  | 62,539    | 73,761    | 76,346    | 76,478    | 87,636    |
| Chicken eggs                  | 32,040    | 39,678    | 40,960    | 43,434    | 51,790    |
| Turkeys                       | 29,274    | 32,508    | 33,660    | 31,450    | 33,914    |
| Other poultry                 | 750       | 50        | 50        | 50        | 50        |
| Miscellaneous livestock       | 17,057    | 16,881    | 17,420    | 17,575    | 18,492    |
| Other livestock               | 15,924    | 15,867    | 15,935    | 16,170    | 17,080    |
| Mink pelts                    | 1,414     | 1,357     | 1,425     | 1,660     | 2,570     |
| All other livestock           | 14,510    | 14,510    | 14,510    | 14,510    | 14,510    |
| Crops                         | 5,269,711 | 5,916,201 | 5,896,475 | 6,536,501 | 6,988,895 |
| Food grains                   | 178,411   | 170,690   | 179,610   | 251,290   | 182,280   |
| Wheat                         | 177,837   | 170,238   | 179,244   | 250,706   | 181,673   |
| Feed crops                    | 2,604,174 | 3,000,424 | 2,952,141 | 3,460,381 | 3,642,132 |
| Corn                          | 2,492,737 | 2,892,702 | 2,849,442 | 3,374,910 | 3,545,576 |
| Hay                           | 71,062    | 67,313    | 69,098    | 50,000    | 55,631    |
| Oats                          | 6,004     | 2,882     | 2,555     | 3,991     | 4,329     |
| Sorghum grain                 | 34,371    | 37,527    | 31,046    | 31,480    | 36,596    |
| Oil crops                     | 2,104,919 | 2,379,556 | 2,386,076 | 2,449,197 | 2,784,742 |
| Soybeans                      | 2,103,620 | 2,378,341 | 2,384,973 | 2,447,662 | 2,783,554 |
| Vegetables                    | 78,493    | 72,055    | 81,194    | 73,420    | 82,692    |
| Potatoes                      | 6,398     | 5,783     | 7,695     | 7,986     | 11,154    |
| Beans, snap                   | 9,547     | 8,815     | 10,472    | 8,672     | 14,963    |
| Cabbage, fresh                | 1,841     | 1,430     | 1,530     | 1,392     | 2,185     |
| Corn, sweet                   | 24,813    | 23,169    | 28,601    | 21,295    | 25,341    |
| Fresh                         | 9,074     | 7,070     | 10,304    | 8,553     | 11,026    |
| Processing                    | 15,739    | 16,099    | 18,297    | 12,742    | 14,315    |
| Miscellaneous vegetables      | 22,500    | 22,500    | 22,500    | 22,500    | 22,500    |
| Fruits/nuts                   | 25,559    | 21,864    | 13,160    | 21,892    | 18,444    |
| Apples                        | 17,591    | 14,379    | 8,624     | 14,824    | 14,804    |
| Fresh                         | 16,070    | 13,262    | 8,126     | 13,566    | 13,766    |
| Processing                    | 1,521     | 1,117     | 498       | 1,258     | 1,038     |
| Peaches                       | 4,968     | 4,485     | 1,536     | 4,068     | 640       |
| Other berries                 | 3,000     | 3,000     | 3,000     | 3,000     | 3,000     |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992      | 1993      | 1994      | 1995      | 1996      |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>       |           |           |           |           |           |
| All other crops               | 278,155   | 271,612   | 284,294   | 280,321   | 278,605   |
| Other seeds                   | 1,200     | 1,200     | 1,200     | 1,200     | 1,200     |
| Other field crops             | 13,300    | 13,300    | 13,300    | 13,300    | 13,300    |
| Greenhouse/nursery            | 224,688   | 218,314   | 229,432   | 220,506   | 218,456   |
| Floriculture                  | 74,688    | 68,314    | 79,432    | 70,506    | 68,456    |
| Other greenhouse              | 150,000   | 150,000   | 150,000   | 150,000   | 150,000   |
| <b>Indiana</b>                |           |           |           |           |           |
| All commodities               | 4,443,624 | 5,282,867 | 4,664,044 | 5,187,002 | 5,558,099 |
| Livestock and products        | 1,818,061 | 1,882,795 | 1,733,723 | 1,758,704 | 1,894,655 |
| Meat animals                  | 1,057,690 | 1,122,323 | 975,413   | 1,009,626 | 1,015,509 |
| Cattle and calves             | 320,881   | 327,674   | 301,165   | 280,149   | 183,202   |
| Hogs                          | 732,307   | 791,341   | 670,002   | 725,701   | 829,748   |
| Sheep and lambs               | 4,502     | 3,308     | 4,246     | 3,776     | 2,559     |
| Dairy products                | 299,117   | 286,650   | 295,738   | 278,272   | 312,522   |
| Milk, wholesale               | 299,117   | 286,650   | 295,738   | 278,272   | 312,522   |
| Poultry/eggs                  | 447,830   | 459,727   | 448,417   | 456,201   | 552,750   |
| Farm chickens                 | 3,906     | 1,607     | 1,176     | 624       | 613       |
| Chicken eggs                  | 211,751   | 246,007   | 230,801   | 236,328   | 320,129   |
| Turkeys                       | 146,824   | 140,423   | 144,480   | 140,750   | 151,102   |
| Other poultry                 | 58,693    | 42,050    | 40,850    | 45,050    | 44,050    |
| Miscellaneous livestock       | 13,424    | 14,095    | 14,155    | 14,605    | 13,874    |
| All other livestock           | 12,803    | 13,288    | 13,413    | 13,775    | 13,012    |
| Crops                         | 2,625,563 | 3,400,072 | 2,930,321 | 3,428,298 | 3,663,444 |
| Food grains                   | 77,195    | 95,452    | 103,817   | 164,553   | 117,583   |
| Wheat                         | 76,983    | 95,243    | 103,649   | 164,391   | 117,518   |
| Feed crops                    | 1,240,333 | 1,717,411 | 1,374,560 | 1,700,341 | 1,822,479 |
| Corn                          | 1,201,143 | 1,675,767 | 1,332,123 | 1,661,686 | 1,784,351 |
| Hay                           | 37,256    | 40,087    | 41,766    | 36,671    | 36,804    |
| Oats                          | 1,934     | 1,557     | 671       | 1,984     | 1,324     |
| Tobacco                       | 35,187    | 33,383    | 29,164    | 22,334    | 21,500    |
| Oil crops                     | 1,018,321 | 1,322,454 | 1,174,112 | 1,304,641 | 1,453,442 |
| Soybeans                      | 1,018,177 | 1,322,328 | 1,173,999 | 1,304,531 | 1,453,360 |
| Vegetables                    | 75,790    | 83,300    | 89,585    | 88,241    | 98,431    |
| Potatoes                      | 6,028     | 6,259     | 7,343     | 6,944     | 8,585     |
| Beans, snap                   | 1,400     | 1,678     | 2,007     | 2,140     | 228       |
| Corn, sweet, fresh            | 7,390     | 9,589     | 8,817     | 8,221     | 9,332     |
| Cucumbers                     | 2,128     | 1,650     | 2,317     | 2,179     | 1,711     |
| Tomatoes                      | 18,462    | 17,641    | 23,081    | 18,641    | 25,320    |
| Fresh                         | 5,460     | 5,670     | 5,928     | 5,399     | 9,979     |
| Processing                    | 13,002    | 11,971    | 17,153    | 13,242    | 15,341    |
| Miscellaneous vegetables      | 29,615    | 30,781    | 31,905    | 33,165    | 34,615    |
| Cantaloups                    | 3,780     | 6,528     | 5,742     | 6,637     | 8,687     |
| Watermelons                   | 6,169     | 8,020     | 7,828     | 9,969     | 9,626     |
| Fruits/nuts                   | 22,078    | 22,497    | 18,829    | 25,007    | 24,791    |
| Apples                        | 11,312    | 11,742    | 10,066    | 12,890    | 12,611    |
| Fresh                         | 9,981     | 10,633    | 9,459     | 11,411    | 11,672    |
| Processing                    | 1,331     | 1,109     | 607       | 1,479     | 939       |
| Peaches                       | 2,658     | 2,753     | NA        | 1,769     | 1,041     |
| Blueberries                   | 1,745     | 1,352     | 1,847     | 2,442     | 2,462     |
| Other berries                 | 5,883     | 6,090     | 6,276     | 6,658     | 7,270     |
| Miscellaneous fruits and nuts | 480       | 560       | 640       | 1,248     | 1,407     |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992       | 1993       | 1994       | 1995       | 1996       |
|-------------------------------|------------|------------|------------|------------|------------|
| <i>Thousand dollars</i>       |            |            |            |            |            |
| All other crops               | 156,659    | 125,575    | 140,254    | 123,181    | 125,218    |
| Other seeds                   | 305        | 288        | 278        | 303        | 314        |
| Mint                          | 14,564     | 10,944     | 13,429     | 15,763     | 9,444      |
| Peppermint                    | 10,764     | 8,294      | 10,716     | 13,387     | 8,613      |
| Spearmint                     | 3,800      | 2,650      | 2,713      | 2,376      | 831        |
| Other field crops             | 37,590     | 29,110     | 34,034     | 19,320     | 26,634     |
| Christmas trees               | NA         | NA         | 6,000      | 6,500      | 6,800      |
| Greenhouse/nursery            | 90,577     | 71,391     | 72,790     | 67,187     | 66,868     |
| Floriculture                  | 42,252     | 43,691     | 43,190     | 36,387     | 34,568     |
| Other greenhouse              | 48,325     | 27,700     | 29,600     | 30,800     | 32,300     |
| Mushrooms                     | 13,623     | 13,842     | 13,723     | 14,108     | 15,158     |
| <b>Iowa</b>                   |            |            |            |            |            |
| All commodities               | 10,786,444 | 10,386,925 | 10,004,286 | 11,256,486 | 12,852,687 |
| Livestock and products        | 5,646,173  | 5,781,234  | 5,230,873  | 5,022,267  | 5,456,780  |
| Meat animals                  | 4,900,429  | 5,009,971  | 4,451,497  | 4,224,977  | 4,503,166  |
| Cattle and calves             | 2,144,651  | 2,160,888  | 1,856,502  | 1,717,598  | 1,461,149  |
| Hogs                          | 2,732,215  | 2,820,048  | 2,571,601  | 2,480,163  | 3,003,970  |
| Sheep and lambs               | 23,563     | 29,035     | 23,394     | 27,216     | 38,047     |
| Dairy products                | 507,650    | 506,112    | 498,585    | 501,480    | 546,070    |
| Milk, wholesale               | 507,650    | 506,112    | 498,585    | 501,480    | 546,070    |
| Poultry/eggs                  | 222,495    | 248,941    | 262,031    | 276,208    | 384,683    |
| Broilers                      | 27,999     | 30,150     | 29,700     | 25,200     | 28,638     |
| Chicken eggs                  | 95,282     | 125,077    | 126,299    | 156,168    | 246,792    |
| Turkeys                       | 90,558     | 87,780     | 99,968     | 88,608     | 101,936    |
| Other poultry                 | 7,400      | 4,800      | 5,500      | 5,950      | 6,632      |
| Miscellaneous livestock       | 15,599     | 16,210     | 18,760     | 19,602     | 22,861     |
| Honey                         | 2,297      | 1,646      | 2,360      | 2,618      | 3,808      |
| Other livestock               | 12,505     | 13,904     | 15,762     | 15,742     | 18,273     |
| Mink pelts                    | 2,505      | 2,404      | 2,762      | 2,742      | 4,848      |
| All other livestock           | 10,000     | 11,500     | 13,000     | 13,000     | 13,425     |
| Crops                         | 5,140,271  | 4,605,691  | 4,773,413  | 6,234,219  | 7,395,907  |
| Food grains                   | 5,003      | 2,405      | 5,768      | 5,514      | 6,866      |
| Wheat                         | 5,003      | 2,405      | 5,768      | 5,514      | 6,866      |
| Feed crops                    | 3,030,127  | 2,755,944  | 2,626,001  | 3,711,518  | 4,396,211  |
| Corn                          | 2,913,216  | 2,643,773  | 2,509,485  | 3,607,232  | 4,290,116  |
| Hay                           | 101,514    | 106,164    | 104,557    | 92,021     | 94,560     |
| Oats                          | 15,397     | 6,007      | 11,959     | 12,265     | 11,535     |
| Oil crops                     | 2,026,931  | 1,784,588  | 2,055,434  | 2,425,006  | 2,892,171  |
| Soybeans                      | 2,026,910  | 1,784,588  | 2,055,434  | 2,425,006  | 2,892,171  |
| Vegetables                    | 10,735     | 5,642      | 14,619     | 16,943     | 23,823     |
| Potatoes                      | 1,226      | 643        | 1,724      | 1,243      | 1,065      |
| Miscellaneous vegetables      | 5,043      | 3,278      | 9,139      | 13,057     | 17,445     |
| Fruits/nuts                   | 3,639      | 2,793      | 3,145      | 3,422      | 3,313      |
| Apples                        | 3,125      | 2,459      | 2,629      | 2,725      | 2,687      |
| Other berries                 | 462        | 300        | 464        | 641        | 570        |
| Miscellaneous fruits and nuts | 52         | 34         | 52         | 56         | 56         |
| All other crops               | 63,836     | 54,319     | 68,446     | 71,816     | 73,523     |
| Other seeds                   | 2,054      | 1,336      | 2,062      | 2,138      | 2,218      |
| Other field crops             | 5,060      | 3,289      | 5,081      | 5,112      | 5,413      |
| Christmas trees               | 1,260      | 1,260      | 1,260      | 1,260      | 1,580      |
| Greenhouse/nursery            | 55,335     | 48,313     | 59,922     | 63,186     | 64,194     |
| Floriculture                  | 32,481     | 33,458     | 36,977     | 39,401     | 39,655     |
| Other greenhouse              | 22,854     | 14,855     | 22,945     | 23,785     | 24,539     |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992      | 1993      | 1994      | 1995      | 1996      |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>       |           |           |           |           |           |
| <b>Kansas</b>                 |           |           |           |           |           |
| All commodities               | 7,171,576 | 7,327,173 | 7,623,574 | 7,571,861 | 7,869,209 |
| Livestock and products        | 4,799,566 | 4,857,683 | 4,757,974 | 4,536,372 | 4,570,327 |
| Meat animals                  | 4,590,655 | 4,660,515 | 4,546,827 | 4,321,055 | 4,334,357 |
| Cattle and calves             | 4,306,486 | 4,365,297 | 4,294,531 | 4,080,676 | 3,994,745 |
| Hogs                          | 271,867   | 281,042   | 240,066   | 228,929   | 328,025   |
| Sheep and lambs               | 12,302    | 14,176    | 12,230    | 11,450    | 11,587    |
| Dairy products                | 151,074   | 135,255   | 142,208   | 143,418   | 168,270   |
| Milk, wholesale               | 151,074   | 135,255   | 142,208   | 143,418   | 168,270   |
| Poultry/eggs                  | 19,446    | 23,515    | 26,717    | 32,045    | 37,088    |
| Chicken eggs                  | 11,330    | 12,275    | 11,381    | 11,917    | 15,068    |
| Turkeys                       | 7,240     | 10,578    | 14,448    | 19,712    | 21,560    |
| Other poultry                 | 262       | 262       | 393       | 336       | 300       |
| Miscellaneous livestock       | 38,391    | 38,398    | 42,222    | 39,854    | 30,612    |
| Other livestock               | 36,049    | 36,753    | 40,757    | 37,448    | 28,853    |
| Crops                         | 2,372,010 | 2,469,490 | 2,865,600 | 3,035,489 | 3,298,882 |
| Food grains                   | 1,051,963 | 1,145,232 | 1,374,854 | 1,324,638 | 1,184,123 |
| Wheat                         | 1,051,782 | 1,144,264 | 1,373,979 | 1,323,850 | 1,183,561 |
| Feed crops                    | 906,113   | 901,870   | 990,149   | 1,247,675 | 1,563,005 |
| Barley                        | 1,522     | 1,192     | 979       | 801       | 952       |
| Corn                          | 454,138   | 399,076   | 526,307   | 643,496   | 782,902   |
| Hay                           | 98,329    | 131,333   | 123,781   | 88,945    | 96,944    |
| Oats                          | 4,644     | 2,245     | 2,838     | 3,318     | 3,910     |
| Sorghum grain                 | 347,480   | 368,024   | 336,244   | 511,115   | 678,297   |
| Cotton                        | 172       | 115       | 375       | 324       | 1,033     |
| Oil crops                     | 335,472   | 351,314   | 432,246   | 402,397   | 495,028   |
| Soybeans                      | 322,913   | 327,292   | 405,277   | 366,075   | 455,183   |
| Sunflower                     | 12,522    | 23,965    | 26,910    | 36,237    | 39,685    |
| Vegetables                    | 33,908    | 27,571    | 21,950    | 16,252    | 16,511    |
| Beans, dry                    | 6,848     | 8,271     | 9,884     | 8,996     | 10,037    |
| Miscellaneous vegetables      | 27,060    | 19,300    | 12,066    | 7,256     | 6,474     |
| Fruits/nuts                   | 7,705     | 4,191     | 6,640     | 3,516     | 1,698     |
| Other berries                 | 1,990     | 2,045     | 1,535     | 830       | 306       |
| Miscellaneous fruits and nuts | 970       | 410       | 423       | 417       | 477       |
| All other crops               | 36,677    | 39,197    | 39,386    | 40,687    | 37,484    |
| Other seeds                   | 1,981     | 1,680     | 2,510     | 4,025     | 1,125     |
| Other field crops             | 5,147     | 7,097     | 4,130     | 2,953     | 3,281     |
| Greenhouse/nursery            | 29,549    | 30,420    | 32,746    | 33,709    | 33,078    |
| Floriculture                  | 24,049    | 22,420    | 24,246    | 24,909    | 23,838    |
| Other greenhouse              | 5,500     | 8,000     | 8,500     | 8,800     | 9,240     |

**Kentucky**

|                        |           |           |           |           |           |
|------------------------|-----------|-----------|-----------|-----------|-----------|
| All commodities        | 3,194,013 | 3,405,918 | 3,221,796 | 3,100,485 | 3,550,232 |
| Livestock and products | 1,631,692 | 1,724,765 | 1,648,936 | 1,615,494 | 1,718,885 |
| Meat animals           | 830,657   | 916,901   | 780,839   | 668,648   | 641,354   |
| Cattle and calves      | 683,158   | 768,130   | 648,095   | 548,246   | 484,705   |
| Hogs                   | 146,334   | 147,803   | 131,653   | 119,132   | 155,898   |
| Sheep and lambs        | 1,165     | 968       | 1,091     | 1,270     | 751       |
| Dairy products         | 284,275   | 274,030   | 267,297   | 263,925   | 279,048   |
| Milk, wholesale        | 284,275   | 274,030   | 267,297   | 263,925   | 279,048   |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992      | 1993      | 1994      | 1995      | 1996      |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>       |           |           |           |           |           |
| Poultry/eggs                  | 79,156    | 88,326    | 107,744   | 119,995   | 166,716   |
| Broilers                      | 48,496    | 52,200    | 71,190    | 82,560    | 122,507   |
| Chicken eggs                  | 30,233    | 35,643    | 36,097    | 37,006    | 43,824    |
| Other poultry                 | 72        | 107       | 110       | 98        | 83        |
| Miscellaneous livestock       | 437,604   | 445,508   | 493,056   | 562,926   | 631,767   |
| Horses/mules                  | 433,000   | 441,000   | 489,000   | 559,000   | 628,000   |
| Other livestock               | 2,948     | 2,987     | 2,963     | 2,988     | 2,988     |
| Crops                         | 1,562,321 | 1,681,153 | 1,572,860 | 1,484,991 | 1,831,347 |
| Food grains                   | 58,827    | 57,272    | 77,399    | 94,128    | 126,257   |
| Wheat                         | 58,827    | 57,272    | 77,399    | 94,128    | 126,257   |
| Feed crops                    | 303,709   | 356,634   | 339,540   | 392,313   | 463,804   |
| Barley                        | 1,313     | 1,567     | 1,211     | 1,540     | 2,163     |
| Corn                          | 250,666   | 296,314   | 277,976   | 313,894   | 363,846   |
| Hay                           | 48,932    | 56,779    | 58,455    | 72,389    | 92,390    |
| Sorghum grain                 | 2,798     | 1,974     | 1,898     | 4,490     | 5,405     |
| Tobacco                       | 877,357   | 918,850   | 786,020   | 636,485   | 812,739   |
| Oil crops                     | 210,020   | 236,729   | 259,861   | 245,828   | 306,970   |
| Soybeans                      | 209,747   | 236,565   | 259,691   | 245,722   | 306,852   |
| Vegetables                    | 28,141    | 30,370    | 30,075    | 28,875    | 31,703    |
| Peppers, green                | 2,570     | 2,842     | 2,835     | NA        | NA        |
| Miscellaneous vegetables      | 25,048    | 26,996    | 26,996    | 28,821    | 31,703    |
| Fruits/nuts                   | 10,605    | 11,693    | 7,970     | 11,691    | 10,558    |
| Apples                        | 3,332     | 3,500     | 1,405     | 3,191     | 4,305     |
| Fresh                         | 3,221     | 3,361     | 1,333     | 3,001     | 3,921     |
| Other berries                 | 5,750     | 6,000     | 5,843     | 6,000     | 5,298     |
| Miscellaneous fruits and nuts | 450       | 513       | 722       | 793       | 581       |
| All other crops               | 73,662    | 69,605    | 71,995    | 75,671    | 79,316    |
| Other seeds                   | 1,747     | 2,142     | 1,532     | 1,829     | 2,818     |
| Other field crops             | 15,140    | 17,256    | 18,723    | 22,068    | 20,294    |
| Greenhouse/nursery            | 56,724    | 50,157    | 51,686    | 51,714    | 56,144    |
| Floriculture                  | 21,474    | 22,357    | 21,986    | 21,679    | 21,657    |
| Other greenhouse              | 35,250    | 27,800    | 29,700    | 30,035    | 34,487    |
| <b>Louisiana</b>              |           |           |           |           |           |
| All commodities               | 1,899,559 | 1,795,135 | 2,028,702 | 2,013,292 | 2,342,068 |
| Livestock and products        | 610,215   | 704,940   | 699,607   | 629,845   | 687,210   |
| Meat animals                  | 168,823   | 203,276   | 162,182   | 122,949   | 121,736   |
| Cattle and calves             | 161,311   | 196,097   | 155,294   | 115,455   | 111,596   |
| Hogs                          | 7,242     | 6,923     | 6,633     | 7,263     | 9,816     |
| Dairy products                | 135,360   | 128,800   | 128,310   | 122,820   | 133,326   |
| Milk, wholesale               | 135,360   | 128,800   | 128,310   | 122,820   | 133,326   |
| Poultry/eggs                  | 234,910   | 301,575   | 333,753   | 305,516   | 344,241   |
| Chicken eggs                  | 25,543    | 34,613    | 40,885    | 38,704    | 38,319    |
| Other poultry                 | 3,219     | 18,266    | 21,698    | 6,104     | 2,321     |
| Miscellaneous livestock       | 71,122    | 71,289    | 75,362    | 78,560    | 87,907    |
| Honey                         | 2,456     | 2,102     | 1,578     | 2,474     | 3,294     |
| Aquaculture                   | 46,263    | 45,512    | 45,409    | 51,923    | 60,098    |
| Catfish                       | 13,184    | 18,843    | 19,700    | 18,862    | 27,273    |
| Crawfish                      | 33,079    | 26,669    | 25,709    | 33,061    | 32,825    |
| Other livestock               | 22,374    | 23,655    | 28,341    | 24,126    | 24,497    |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992      | 1993      | 1994      | 1995      | 1996      |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>       |           |           |           |           |           |
| Crops                         | 1,289,344 | 1,090,195 | 1,329,095 | 1,383,447 | 1,654,858 |
| Food grains                   | 222,500   | 137,047   | 231,299   | 211,850   | 273,744   |
| Rice                          | 203,023   | 128,842   | 223,111   | 200,741   | 246,324   |
| Wheat                         | 19,477    | 8,205     | 8,188     | 11,109    | 27,420    |
| Feed crops                    | 98,213    | 72,516    | 95,197    | 91,057    | 212,273   |
| Corn                          | 61,517    | 46,498    | 68,378    | 64,074    | 175,134   |
| Hay                           | 9,988     | 6,287     | 10,570    | 9,472     | 11,189    |
| Sorghum grain                 | 26,708    | 19,731    | 16,249    | 17,511    | 25,950    |
| Cotton                        | 446,707   | 341,049   | 471,439   | 501,649   | 520,245   |
| Cotton lint, all              | 411,621   | 303,146   | 428,217   | 456,151   | 468,125   |
| Cottonseed                    | 35,086    | 37,903    | 43,222    | 45,498    | 52,120    |
| Oil crops                     | 208,700   | 200,569   | 167,933   | 182,905   | 249,072   |
| Soybeans                      | 208,287   | 200,144   | 167,722   | 182,786   | 249,040   |
| Vegetables                    | 55,674    | 66,388    | 70,875    | 71,337    | 73,897    |
| Sweetpotatoes                 | 28,889    | 32,914    | 39,905    | 41,496    | 46,017    |
| Peppers, green                | 2,880     | 4,395     | 4,600     | 6,900     | 3,432     |
| Tomatoes                      | 2,970     | 2,331     | 2,920     | 2,109     | 1,880     |
| Miscellaneous vegetables      | 18,925    | 25,114    | 21,851    | 18,702    | 19,824    |
| Watermelons                   | 1,799     | 1,420     | 1,336     | 1,815     | 2,346     |
| Fruits/nuts                   | 12,115    | 15,301    | 22,292    | 23,764    | 16,677    |
| Peaches                       | 1,665     | 1,584     | 1,672     | 2,621     | 156       |
| Strawberries                  | 6,960     | 5,390     | 7,238     | 5,415     | 3,904     |
| Other berries                 | 1,776     | 1,246     | 1,599     | 2,495     | 714       |
| Pecans                        | 1,120     | 5,975     | 8,300     | 8,600     | 7,400     |
| Miscellaneous fruits and nuts | 594       | 1,106     | 3,483     | 4,633     | 4,503     |
| All other crops               | 245,435   | 257,325   | 270,060   | 300,885   | 308,950   |
| Cane for sugar                | 212,903   | 222,233   | 235,758   | 267,396   | 271,418   |
| Other field crops             | 2,423     | 2,939     | 3,499     | 3,794     | 2,768     |
| Christmas trees               | 2,505     | 2,927     | 2,396     | 2,441     | 3,205     |
| Greenhouse/nursery            | 27,604    | 29,226    | 28,407    | 27,254    | 31,559    |
| Floriculture                  | 17,584    | 20,913    | 19,284    | 17,034    | 20,161    |
| Other greenhouse              | 10,020    | 8,313     | 9,123     | 10,220    | 11,398    |
| <b>Maine</b>                  |           |           |           |           |           |
| All commodities               | 462,461   | 455,808   | 461,390   | 450,292   | 485,111   |
| Livestock and products        | 247,534   | 268,577   | 270,161   | 249,575   | 261,537   |
| Meat animals                  | 21,344    | 26,943    | 25,799    | 17,818    | 15,014    |
| Cattle and calves             | 19,692    | 25,442    | 23,603    | 16,309    | 13,923    |
| Hogs                          | 1,358     | 1,012     | 1,109     | 953       | 620       |
| Dairy products                | 92,595    | 92,384    | 89,645    | 88,297    | 101,457   |
| Milk, retail                  | 2,260     | 2,084     | 2,084     | 2,047     | 2,233     |
| Milk, wholesale               | 90,335    | 90,300    | 87,561    | 86,250    | 99,224    |
| Poultry/eggs                  | 85,611    | 100,854   | 111,624   | 77,795    | 91,120    |
| Chicken eggs                  | 80,401    | 96,420    | 107,797   | 73,883    | 86,940    |
| Other poultry                 | 4,266     | 3,580     | 3,233     | 3,410     | 4,110     |
| Miscellaneous livestock       | 47,984    | 48,396    | 43,093    | 65,665    | 53,946    |
| Aquaculture                   | 42,896    | 42,896    | 37,731    | 59,940    | 48,278    |
| Other livestock               | 4,780     | 4,990     | 5,040     | 5,200     | 5,353     |
| Crops                         | 214,927   | 187,231   | 191,229   | 200,717   | 223,574   |
| Feed crops                    | 9,269     | 9,112     | 8,632     | 9,619     | 9,338     |
| Hay                           | 8,177     | 8,337     | 8,124     | 8,627     | 7,540     |
| Oats                          | 1,092     | 775       | 508       | 992       | 1,798     |

See footnotes at end of table.

Continued—



**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992      | 1993      | 1994      | 1995      | 1996      |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>       |           |           |           |           |           |
| Vegetables                    | 114,198   | 106,109   | 111,978   | 109,293   | 118,429   |
| Potatoes                      | 103,108   | 92,995    | 97,818    | 95,270    | 103,476   |
| Miscellaneous vegetables      | 6,845     | 8,450     | 9,660     | 9,365     | 9,490     |
| Fruits/nuts                   | 55,263    | 36,218    | 33,374    | 39,052    | 50,318    |
| Apples                        | 13,645    | 11,114    | 9,643     | 10,349    | 12,281    |
| Fresh                         | 12,410    | 10,139    | 8,878     | 9,361     | 10,409    |
| Processing                    | 1,235     | 975       | 765       | 988       | 1,872     |
| Blueberries                   | 34,519    | 17,979    | 17,744    | 21,004    | 30,000    |
| Other berries                 | 6,967     | 7,047     | 5,928     | 7,650     | 7,980     |
| Miscellaneous fruits and nuts | 132       | 78        | 59        | 49        | 57        |
| All other crops               | 36,197    | 35,792    | 37,245    | 42,753    | 45,489    |
| Maple products                | 2,433     | 1,616     | 2,145     | 2,965     | 3,657     |
| Other seeds                   | 430       | 425       | 432       | 432       | 557       |
| Other field crops             | 7,334     | 6,751     | 6,668     | 7,356     | 9,275     |
| Christmas trees               | 6,000     | 6,000     | 6,000     | 7,000     | 7,000     |
| Greenhouse/nursery            | 20,000    | 21,000    | 22,000    | 25,000    | 25,000    |
| <b>Maryland</b>               |           |           |           |           |           |
| All commodities               | 1,322,999 | 1,345,326 | 1,339,223 | 1,405,155 | 1,533,770 |
| Livestock and products        | 785,414   | 820,761   | 798,701   | 833,564   | 900,503   |
| Meat animals                  | 84,417    | 110,290   | 82,925    | 77,890    | 57,929    |
| Cattle and calves             | 54,236    | 79,740    | 52,762    | 59,962    | 44,474    |
| Hogs                          | 29,364    | 29,307    | 28,928    | 17,034    | 12,763    |
| Dairy products                | 200,760   | 186,260   | 181,525   | 175,560   | 199,971   |
| Milk, wholesale               | 200,760   | 186,260   | 181,525   | 175,560   | 199,971   |
| Poultry/eggs                  | 459,994   | 478,238   | 489,568   | 528,904   | 587,518   |
| Broilers                      | 403,920   | 426,240   | 432,630   | 462,468   | 512,672   |
| Farm chickens                 | 1,686     | 1,967     | 1,343     | 890       | 888       |
| Chicken eggs                  | 44,318    | 39,888    | 45,227    | 53,440    | 62,221    |
| Other poultry                 | 8,605     | 8,630     | 8,888     | 9,185     | 9,455     |
| Miscellaneous livestock       | 40,243    | 45,973    | 44,683    | 51,210    | 55,085    |
| All other livestock           | 40,000    | 45,600    | 44,300    | 50,790    | 54,750    |
| Crops                         | 537,585   | 524,565   | 540,522   | 571,591   | 633,267   |
| Food grains                   | 35,182    | 29,904    | 36,363    | 55,730    | 52,977    |
| Wheat                         | 34,918    | 29,658    | 36,158    | 55,524    | 52,915    |
| Feed crops                    | 89,374    | 65,114    | 70,196    | 84,629    | 129,476   |
| Barley                        | 5,455     | 6,105     | 4,540     | 7,020     | 6,382     |
| Corn                          | 69,300    | 45,006    | 50,966    | 62,412    | 106,043   |
| Hay                           | 14,284    | 13,831    | 14,587    | 14,909    | 16,531    |
| Tobacco                       | 20,898    | 20,020    | 18,530    | 20,869    | 19,202    |
| Oil crops                     | 91,878    | 89,971    | 93,883    | 72,918    | 93,742    |
| Soybeans                      | 91,572    | 89,755    | 93,772    | 72,840    | 93,654    |
| Vegetables                    | 65,314    | 63,786    | 67,249    | 73,051    | 75,966    |
| Potatoes                      | 2,220     | 3,231     | 1,907     | 2,704     | 2,569     |
| Beans, snap, fresh            | 2,747     | 1,749     | 2,144     | 3,942     | 2,268     |
| Cabbage                       | 1,712     | 2,080     | 990       | 2,020     | 3,072     |
| Cucumbers, fresh              | 3,252     | 2,464     | 3,101     | 2,709     | 1,700     |
| Spinach                       | 8,859     | 6,090     | 1,452     | 2,880     | 1,050     |
| Tomatoes, fresh               | 7,460     | 7,920     | 10,175    | 6,396     | 10,885    |
| Miscellaneous vegetables      | 21,817    | 23,040    | 29,196    | 31,310    | 29,205    |
| Cantaloups                    | 3,353     | 3,234     | 3,825     | 4,374     | 6,696     |
| Watermelons                   | 4,200     | 4,095     | 2,117     | 3,640     | 3,456     |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992    | 1993    | 1994    | 1995    | 1996    |
|-------------------------------|---------|---------|---------|---------|---------|
| <i>Thousand dollars</i>       |         |         |         |         |         |
| Fruits/nuts                   | 12,288  | 11,492  | 11,670  | 13,453  | 12,290  |
| Apples                        | 5,362   | 5,753   | 6,008   | 4,801   | 4,299   |
| Fresh                         | 3,708   | 4,600   | 5,034   | 3,706   | 2,906   |
| Processing                    | 1,654   | 1,153   | 974     | 1,095   | 1,393   |
| Peaches                       | 3,136   | 2,422   | 1,098   | 3,542   | 3,440   |
| Other berries                 | 2,900   | 2,422   | 3,664   | 4,200   | 3,640   |
| Miscellaneous fruits and nuts | 890     | 895     | 900     | 910     | 911     |
| All other crops               | 222,651 | 244,278 | 242,631 | 250,941 | 249,614 |
| Other seeds                   | 130     | 132     | 134     | 136     | 138     |
| Other field crops             | 12,700  | 13,076  | 15,500  | 17,788  | 17,450  |
| Greenhouse/nursery            | 208,758 | 229,717 | 225,253 | 231,321 | 230,409 |
| Floriculture                  | 30,758  | 34,217  | 31,753  | 32,321  | 30,909  |
| Other greenhouse              | 178,000 | 195,500 | 193,500 | 199,000 | 199,500 |
| Mushrooms, agaricus           | 1,036   | 1,326   | 1,717   | 1,696   | 1,617   |
| <b>Massachusetts</b>          |         |         |         |         |         |
| All commodities               | 448,355 | 443,400 | 449,017 | 435,618 | 477,698 |
| Livestock and products        | 124,864 | 121,066 | 117,437 | 99,474  | 109,067 |
| Meat animals                  | 14,194  | 15,254  | 13,922  | 10,331  | 11,844  |
| Cattle and calves             | 11,099  | 12,238  | 11,092  | 8,372   | 9,669   |
| Hogs                          | 2,541   | 2,460   | 2,021   | 1,367   | 1,662   |
| Dairy products                | 74,450  | 68,069  | 66,148  | 62,624  | 69,992  |
| Milk, retail                  | 5,442   | 5,693   | 5,377   | 4,688   | 4,837   |
| Milk, wholesale               | 69,008  | 62,376  | 60,771  | 57,936  | 65,155  |
| Poultry/eggs                  | 21,145  | 22,312  | 21,867  | 10,251  | 10,882  |
| Chicken eggs                  | 17,218  | 17,338  | 17,026  | 7,315   | 8,757   |
| Turkeys                       | 3,455   | 4,504   | 4,543   | 2,648   | 1,920   |
| Other poultry                 | 298     | 324     | 222     | 201     | 201     |
| Miscellaneous livestock       | 15,075  | 15,431  | 15,500  | 16,268  | 16,349  |
| Aquaculture                   | 8,020   | 8,020   | 7,941   | 8,622   | 8,622   |
| All other livestock           | 6,828   | 6,935   | 7,147   | 7,183   | 7,141   |
| Crops                         | 323,491 | 322,334 | 331,580 | 336,144 | 368,631 |
| Feed crops                    | 5,777   | 5,336   | 5,424   | 5,576   | 5,253   |
| Hay                           | 5,777   | 5,336   | 5,424   | 5,576   | 5,253   |
| Tobacco                       | 9,967   | 7,826   | 7,030   | 1,240   | 1,867   |
| Vegetables                    | 55,919  | 59,073  | 63,809  | 60,638  | 75,707  |
| Potatoes                      | 4,203   | 4,659   | 4,835   | 5,186   | 4,962   |
| Corn, sweet                   | 7,776   | 10,800  | 14,175  | 11,583  | 13,720  |
| Tomatoes                      | 6,880   | 5,640   | 5,280   | 4,875   | 5,780   |
| Miscellaneous vegetables      | 36,000  | 36,900  | 38,550  | 37,900  | 49,645  |
| Fruits/nuts                   | 123,362 | 117,772 | 119,825 | 107,210 | 120,529 |
| Apples                        | 13,573  | 11,566  | 12,481  | 12,633  | 14,004  |
| Fresh                         | 12,211  | 10,378  | 11,544  | 11,588  | 12,755  |
| Processing                    | 1,362   | 1,188   | 937     | 1,045   | 1,249   |
| Cranberries                   | 101,143 | 97,384  | 98,771  | 86,446  | 98,283  |
| Other berries                 | 6,495   | 6,742   | 6,884   | 5,875   | 6,056   |
| Miscellaneous fruits and nuts | 1,271   | 1,248   | 1,239   | 1,276   | 1,306   |
| All other crops               | 128,466 | 132,327 | 135,492 | 161,480 | 165,275 |
| Maple products                | 1,740   | 1,112   | 1,456   | 1,105   | 1,906   |
| Christmas trees               | 4,500   | 4,500   | 4,500   | 4,500   | 4,500   |
| Greenhouse/nursery            | 117,495 | 123,436 | 125,940 | 146,422 | 146,672 |
| Floriculture                  | 49,495  | 54,436  | 53,940  | 72,422  | 70,672  |
| Other greenhouse              | 68,000  | 69,000  | 72,000  | 74,000  | 76,000  |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity      | 1992      | 1993      | 1994      | 1995      | 1996      |
|--------------------------|-----------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>  |           |           |           |           |           |
| <b>Michigan</b>          |           |           |           |           |           |
| All commodities          | 3,210,901 | 3,339,928 | 3,415,115 | 3,626,110 | 3,642,927 |
| Livestock and products   | 1,309,581 | 1,371,040 | 1,398,663 | 1,343,477 | 1,447,981 |
| Meat animals             | 456,808   | 507,135   | 494,257   | 456,484   | 452,014   |
| Cattle and calves        | 254,426   | 296,899   | 305,512   | 264,812   | 232,109   |
| Hogs                     | 198,281   | 206,320   | 184,630   | 186,293   | 214,496   |
| Sheep and lambs          | 4,101     | 3,916     | 4,115     | 5,379     | 5,409     |
| Dairy products           | 716,344   | 704,931   | 739,045   | 717,469   | 807,488   |
| Milk, retail             | 5,060     | 5,391     | 5,395     | 4,419     | 3,488     |
| Milk, wholesale          | 711,284   | 699,540   | 733,650   | 713,050   | 804,000   |
| Poultry/eggs             | 109,961   | 131,834   | 128,138   | 129,151   | 139,785   |
| Chicken eggs             | 47,066    | 53,705    | 50,823    | 50,315    | 68,426    |
| Other poultry            | 300       | 3,300     | 3,825     | 2,325     | 3,025     |
| Miscellaneous livestock  | 26,468    | 27,140    | 37,223    | 40,373    | 48,694    |
| Honey                    | 3,811     | 3,950     | 4,257     | 6,961     | 9,504     |
| Aquaculture              | 2,410     | 2,986     | 2,315     | 1,850     | 2,055     |
| Other livestock          | 19,944    | 19,916    | 30,153    | 31,013    | 36,914    |
| Mink pelts               | 1,314     | 1,261     | 1,903     | 1,733     | 2,767     |
| All other livestock      | 18,630    | 18,655    | 28,250    | 29,280    | 34,147    |
| Crops                    | 1,901,320 | 1,968,888 | 2,016,452 | 2,282,633 | 2,194,946 |
| Food grains              | 97,134    | 76,685    | 91,645    | 143,737   | 102,482   |
| Wheat                    | 96,679    | 76,263    | 91,220    | 143,231   | 102,103   |
| Feed crops               | 398,805   | 420,962   | 403,436   | 532,681   | 534,122   |
| Barley                   | 2,481     | 2,658     | 2,430     | 2,611     | 3,130     |
| Corn                     | 331,399   | 353,974   | 328,079   | 470,355   | 477,441   |
| Hay                      | 60,398    | 60,090    | 70,239    | 57,002    | 49,318    |
| Oats                     | 4,527     | 4,240     | 2,688     | 2,713     | 4,233     |
| Oil crops                | 289,236   | 303,012   | 305,782   | 364,074   | 352,218   |
| Soybeans                 | 288,045   | 302,083   | 304,825   | 363,059   | 351,302   |
| Vegetables               | 371,888   | 417,580   | 451,298   | 448,507   | 429,332   |
| Beans, dry               | 95,336    | 110,021   | 145,253   | 127,137   | 116,630   |
| Potatoes                 | 90,008    | 102,390   | 86,854    | 85,650    | 94,309    |
| Summer                   | 18,270    | 23,925    | 16,215    | NA        | NA        |
| Fall                     | 71,738    | 78,465    | 70,639    | 85,650    | 94,309    |
| Asparagus                | 15,398    | 17,155    | 14,194    | 20,106    | 20,110    |
| Fresh                    | 2,384     | 2,346     | 1,474     | 2,556     | 2,607     |
| Processing               | 13,014    | 14,809    | 12,720    | 17,550    | 17,503    |
| Beans, snap              | 11,799    | 15,108    | 13,580    | 12,048    | 13,657    |
| Fresh                    | 2,305     | 2,436     | 2,261     | 2,087     | 2,292     |
| Processing               | 9,494     | 12,672    | 11,319    | 9,961     | 11,365    |
| Carrots                  | 24,086    | 17,517    | 24,637    | 34,564    | 17,736    |
| Cauliflower              | 3,865     | 4,220     | 3,288     | 2,617     | 2,367     |
| Celery                   | 17,547    | 14,014    | 14,745    | 14,255    | 13,294    |
| Corn, sweet              | 15,709    | 17,333    | 18,300    | 16,166    | 17,229    |
| Fresh                    | 12,512    | 13,981    | 15,300    | 14,444    | 15,181    |
| Processing               | 3,197     | 3,352     | 3,000     | 1,722     | 2,048     |
| Cucumbers                | 29,438    | 31,712    | 31,930    | 36,697    | 38,217    |
| Fresh                    | 11,662    | 11,934    | 10,282    | 15,390    | 16,720    |
| Processing               | 17,776    | 19,778    | 21,648    | 21,307    | 21,497    |
| Onions                   | 21,130    | 34,820    | 14,956    | 13,474    | 15,775    |
| Peppers, green           | 7,700     | 8,243     | 7,904     | 8,104     | 7,360     |
| Tomatoes                 | 23,926    | 24,277    | 23,187    | 19,814    | 20,993    |
| Fresh                    | 11,340    | 11,628    | 12,560    | 10,944    | 10,454    |
| Processing               | 12,586    | 12,649    | 10,627    | 8,870     | 10,539    |
| Miscellaneous vegetables | 8,000     | 11,000    | 45,000    | 50,000    | 45,000    |
| Cantaloups               | 1,478     | 2,057     | 1,435     | 2,086     | 918       |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992      | 1993      | 1994      | 1995      | 1996      |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>       |           |           |           |           |           |
| Fruits/nuts                   | 209,238   | 203,175   | 186,864   | 204,072   | 223,135   |
| Apples                        | 97,424    | 91,126    | 84,553    | 102,094   | 106,917   |
| Fresh                         | 49,327    | 46,537    | 39,095    | 48,347    | 51,726    |
| Processing                    | 48,097    | 44,589    | 45,458    | 53,747    | 55,191    |
| Cherries                      | 52,808    | 43,327    | 49,133    | 29,148    | 46,809    |
| Sweet                         | 11,708    | 18,717    | 13,497    | 15,700    | 15,607    |
| Tart                          | 41,100    | 24,610    | 35,636    | 13,448    | 31,202    |
| Grapes                        | 10,375    | 11,670    | 14,860    | 15,196    | 13,555    |
| Peaches                       | 8,631     | 10,260    | 3,400     | 12,594    | 10,870    |
| Pears                         | 1,299     | 1,240     | 1,255     | 1,400     | 1,560     |
| Plums and prunes              | 2,364     | 1,710     | 993       | 1,603     | 837       |
| Strawberries                  | 7,727     | 7,637     | 6,300     | 6,822     | 4,512     |
| Blueberries                   | 27,100    | 34,650    | 25,180    | 33,450    | 36,330    |
| Other berries                 | 1,060     | 1,015     | 925       | 1,085     | 1,095     |
| Miscellaneous fruits and nuts | 450       | 540       | 265       | 680       | 650       |
| All other crops               | 535,019   | 547,474   | 577,427   | 589,562   | 553,657   |
| Maple products                | 2,533     | 1,913     | 2,491     | 1,480     | 2,737     |
| Sugar beets                   | 112,767   | 113,808   | 113,890   | 100,386   | 66,349    |
| Other seeds                   | 300       | 295       | 100       | 205       | 130       |
| Other field crops             | 6,650     | 7,250     | 7,450     | 6,885     | 6,320     |
| Christmas trees               | 37,000    | 38,443    | 40,000    | 40,000    | 40,000    |
| Greenhouse/nursery            | 358,933   | 369,574   | 398,385   | 424,625   | 421,846   |
| Floriculture                  | 138,933   | 145,574   | 168,385   | 184,625   | 181,846   |
| Other greenhouse              | 220,000   | 224,000   | 230,000   | 240,000   | 240,000   |
| Mushrooms, agaricus           | 15,181    | 14,597    | 13,915    | 14,810    | 15,856    |
| <b>Minnesota</b>              |           |           |           |           |           |
| All commodities               | 6,809,160 | 6,338,789 | 6,407,325 | 7,129,443 | 8,808,931 |
| Livestock and products        | 3,606,165 | 3,755,024 | 3,448,002 | 3,448,243 | 4,168,423 |
| Meat animals                  | 1,837,179 | 1,992,194 | 1,707,807 | 1,715,400 | 2,057,005 |
| Cattle and calves             | 963,399   | 1,045,785 | 859,566   | 835,231   | 925,163   |
| Hogs                          | 856,057   | 928,483   | 832,128   | 865,073   | 1,115,777 |
| Sheep and lambs               | 17,723    | 17,926    | 16,113    | 15,096    | 16,065    |
| Dairy products                | 1,250,305 | 1,226,240 | 1,194,086 | 1,181,688 | 1,362,180 |
| Milk, wholesale               | 1,250,305 | 1,226,240 | 1,194,086 | 1,181,688 | 1,362,180 |
| Poultry/eggs                  | 489,060   | 509,014   | 516,715   | 519,140   | 710,265   |
| Broilers                      | 71,619    | 80,818    | 84,524    | 83,616    | 94,425    |
| Chicken eggs                  | 95,838    | 103,193   | 88,967    | 98,335    | 150,491   |
| Turkeys                       | 279,930   | 285,180   | 304,776   | 299,093   | 426,735   |
| Other poultry                 | 40,675    | 39,113    | 38,130    | 37,978    | 38,415    |
| Miscellaneous livestock       | 29,621    | 27,576    | 29,394    | 32,015    | 38,973    |
| Honey                         | 9,234     | 7,632     | 6,984     | 9,471     | 10,511    |
| Other livestock               | 19,855    | 19,528    | 21,916    | 21,808    | 27,980    |
| Mink pelts                    | 8,256     | 7,923     | 10,305    | 10,065    | 16,249    |
| All other livestock           | 11,599    | 11,605    | 11,611    | 11,743    | 11,731    |
| Crops                         | 3,202,995 | 2,583,765 | 2,959,323 | 3,681,200 | 4,640,508 |
| Food grains                   | 377,900   | 317,466   | 243,202   | 280,252   | 414,170   |
| Rye                           | 1,055     | 1,114     | 1,336     | 1,289     | 1,012     |
| Wheat                         | 376,845   | 316,352   | 241,866   | 278,963   | 413,158   |
| Feed crops                    | 1,215,110 | 896,740   | 1,005,027 | 1,421,177 | 1,859,633 |
| Barley                        | 77,312    | 59,513    | 51,392    | 53,078    | 72,895    |
| Corn                          | 1,039,532 | 688,750   | 831,755   | 1,285,777 | 1,704,389 |
| Hay                           | 84,602    | 134,764   | 113,047   | 72,494    | 69,740    |
| Oats                          | 13,664    | 13,713    | 8,833     | 9,828     | 12,609    |
| Oil crops                     | 949,269   | 858,573   | 991,898   | 1,348,037 | 1,661,467 |
| Soybeans                      | 906,626   | 804,216   | 934,124   | 1,271,404 | 1,618,232 |
| Sunflower                     | 40,383    | 51,743    | 53,427    | 68,340    | 34,052    |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity      | 1992      | 1993      | 1994      | 1995      | 1996      |
|--------------------------|-----------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>  |           |           |           |           |           |
| Vegetables               | 216,008   | 167,718   | 231,727   | 219,880   | 274,573   |
| Beans, dry               | 30,707    | 27,566    | 38,207    | 37,423    | 44,970    |
| Potatoes                 | 85,909    | 87,912    | 92,971    | 86,830    | 118,889   |
| Fall                     | 72,958    | 76,056    | 80,585    | 86,830    | 118,889   |
| Carrots                  | 3,687     | 1,443     | 3,800     | 2,599     | 3,124     |
| Corn, sweet              | 42,897    | 28,194    | 52,787    | 48,357    | 56,113    |
| Onions                   | 3,074     | 794       | 2,417     | 1,779     | 1,208     |
| Peas, green              | 36,733    | 12,775    | 30,547    | 32,818    | 38,817    |
| Miscellaneous vegetables | 6,300     | 4,750     | 5,000     | 4,400     | 5,200     |
| Fruits/nuts              | 11,701    | 9,659     | 9,840     | 10,379    | 11,196    |
| Apples                   | 8,901     | 6,559     | 6,892     | 7,559     | 8,471     |
| Other berries            | 2,800     | 3,100     | 2,948     | 2,820     | 2,725     |
| All other crops          | 433,007   | 333,609   | 477,629   | 401,475   | 419,469   |
| Sugar beets              | 327,191   | 218,570   | 358,154   | 282,492   | 302,898   |
| Other seeds              | 5,925     | 6,512     | 7,909     | 9,758     | 7,244     |
| Other field crops        | 12,025    | 16,575    | 14,801    | 9,357     | 10,116    |
| Christmas trees          | 1,500     | 1,500     | 1,500     | 1,500     | 1,500     |
| Greenhouse/nursery       | 85,671    | 90,052    | 94,914    | 98,078    | 97,421    |
| Floriculture             | 49,671    | 50,052    | 51,414    | 54,578    | 53,921    |
| Other greenhouse         | 36,000    | 40,000    | 43,500    | 43,500    | 43,500    |
| <b>Mississippi</b>       |           |           |           |           |           |
| All commodities          | 2,641,482 | 2,630,434 | 2,889,872 | 3,134,266 | 3,462,784 |
| Livestock and products   | 1,332,302 | 1,568,061 | 1,706,050 | 1,685,767 | 1,934,279 |
| Meat animals             | 229,535   | 271,695   | 266,963   | 192,049   | 188,026   |
| Cattle and calves        | 207,121   | 241,722   | 242,521   | 156,778   | 137,940   |
| Hogs                     | 22,343    | 29,910    | 24,180    | 35,132    | 49,926    |
| Dairy products           | 106,500   | 103,600   | 102,950   | 96,585    | 105,616   |
| Milk, wholesale          | 106,500   | 103,600   | 102,950   | 96,585    | 105,616   |
| Poultry/eggs             | 765,236   | 923,601   | 1,047,093 | 1,114,795 | 1,354,234 |
| Broilers                 | 664,814   | 813,950   | 921,978   | 992,404   | 1,197,004 |
| Farm chickens            | 4,010     | 3,229     | 2,475     | 2,753     | 3,271     |
| Chicken eggs             | 96,331    | 105,831   | 121,544   | 119,048   | 153,569   |
| Other poultry            | 81        | 591       | 1,096     | 590       | 390       |
| Miscellaneous livestock  | 231,031   | 269,165   | 289,044   | 282,338   | 286,403   |
| Aquaculture              | 223,178   | 261,360   | 280,697   | 271,875   | 274,559   |
| Other livestock          | 7,015     | 7,288     | 7,840     | 9,680     | 10,680    |
| Crops                    | 1,309,180 | 1,062,373 | 1,183,822 | 1,448,499 | 1,528,505 |
| Food grains              | 140,071   | 95,277    | 161,632   | 145,396   | 186,844   |
| Rice                     | 108,282   | 73,789    | 141,399   | 121,113   | 132,505   |
| Wheat                    | 31,789    | 21,488    | 20,233    | 24,283    | 54,339    |
| Feed crops               | 87,496    | 65,313    | 84,670    | 99,372    | 185,687   |
| Corn                     | 40,671    | 36,431    | 49,377    | 67,344    | 146,341   |
| Hay                      | 28,904    | 17,488    | 25,167    | 23,754    | 27,772    |
| Sorghum grain            | 17,921    | 11,394    | 10,126    | 8,274     | 11,574    |
| Cotton                   | 687,302   | 508,091   | 570,961   | 798,336   | 726,425   |
| Cotton lint, all         | 621,240   | 450,149   | 496,840   | 727,405   | 649,363   |
| Upland                   | 621,010   | 449,988   | 496,840   | 727,405   | 649,363   |
| Cottonseed               | 66,062    | 57,942    | 74,121    | 70,931    | 77,062    |
| Oil crops                | 302,048   | 302,090   | 266,984   | 303,415   | 328,010   |
| Soybeans                 | 301,849   | 301,967   | 266,920   | 303,242   | 327,950   |
| Vegetables               | 41,763    | 39,573    | 44,695    | 42,574    | 41,657    |
| Sweetpotatoes            | 5,829     | 8,468     | 11,223    | 12,316    | 16,479    |
| Miscellaneous vegetables | 30,620    | 28,180    | 29,622    | 26,500    | 22,500    |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992      | 1993      | 1994      | 1995      | 1996      |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>       |           |           |           |           |           |
| Watermelons                   | 3,096     | 2,925     | 3,850     | 3,758     | 2,678     |
| Fruits/nuts                   | 6,820     | 6,740     | 9,121     | 8,460     | 4,205     |
| Other berries                 | 4,520     | 2,000     | 5,759     | 5,700     | 1,600     |
| Miscellaneous fruits and nuts | 1,240     | 1,410     | 1,112     | 800       | 850       |
| All other crops               | 43,680    | 45,289    | 45,759    | 50,946    | 55,677    |
| Other seeds                   | 750       | 750       | 750       | 800       | 800       |
| Other field crops             | 6,791     | 6,990     | 7,705     | 7,480     | 6,800     |
| Christmas trees               | 5,000     | 5,200     | 5,240     | 6,100     | 7,440     |
| Greenhouse/nursery            | 31,139    | 32,349    | 32,031    | 36,536    | 40,607    |
| Floriculture                  | 9,139     | 9,349     | 7,031     | 9,536     | 11,607    |
| Other greenhouse              | 22,000    | 23,000    | 25,000    | 27,000    | 29,000    |
| <b>Missouri</b>               |           |           |           |           |           |
| All commodities               | 4,227,718 | 4,112,062 | 4,561,575 | 4,372,362 | 4,950,421 |
| Livestock and products        | 2,165,318 | 2,275,557 | 2,463,350 | 2,285,030 | 2,450,145 |
| Meat animals                  | 1,332,949 | 1,399,784 | 1,516,932 | 1,287,019 | 1,281,536 |
| Cattle and calves             | 882,145   | 861,180   | 1,002,517 | 685,870   | 626,318   |
| Hogs                          | 446,875   | 534,594   | 510,031   | 596,995   | 651,631   |
| Sheep and lambs               | 3,929     | 4,010     | 4,384     | 4,154     | 3,587     |
| Dairy products                | 378,430   | 356,864   | 352,176   | 343,850   | 362,400   |
| Milk, wholesale               | 378,430   | 356,864   | 352,176   | 343,850   | 362,400   |
| Poultry/eggs                  | 424,296   | 489,375   | 559,229   | 614,637   | 769,077   |
| Broilers                      | 184,212   | 214,452   | 250,154   | 280,175   | 397,163   |
| Farm chickens                 | 2,631     | 3,724     | 4,021     | 2,674     | 2,108     |
| Chicken eggs                  | 55,726    | 62,746    | 61,811    | 69,621    | 92,768    |
| Turkeys                       | 147,630   | 178,920   | 205,390   | 231,525   | 248,798   |
| Other poultry                 | 34,097    | 29,533    | 37,853    | 30,642    | 28,240    |
| Miscellaneous livestock       | 29,643    | 29,534    | 35,013    | 39,524    | 37,132    |
| Honey                         | 1,186     | 1,034     | 1,020     | 1,125     | 1,498     |
| Aquaculture                   | 4,561     | 4,138     | 3,320     | 4,888     | 3,769     |
| Catfish                       | 2,429     | 2,506     | 1,756     | 2,924     | 1,746     |
| Trout                         | 2,132     | 1,632     | 1,564     | 1,964     | 2,023     |
| All other livestock           | 23,572    | 24,118    | 30,330    | 33,070    | 31,565    |
| Crops                         | 2,062,400 | 1,836,505 | 2,098,225 | 2,087,332 | 2,500,276 |
| Food grains                   | 224,415   | 163,984   | 199,215   | 235,297   | 252,094   |
| Rice                          | 36,080    | 26,669    | 45,323    | 44,979    | 50,847    |
| Wheat                         | 188,335   | 137,315   | 153,892   | 190,318   | 201,247   |
| Feed crops                    | 679,948   | 648,150   | 670,026   | 595,490   | 871,053   |
| Corn                          | 496,468   | 449,582   | 475,796   | 427,965   | 670,412   |
| Hay                           | 96,345    | 123,597   | 102,055   | 82,168    | 88,123    |
| Sorghum grain                 | 85,898    | 74,255    | 91,466    | 84,478    | 111,317   |
| Cotton                        | 157,282   | 123,857   | 216,360   | 204,278   | 224,716   |
| Cotton lint, all              | 138,136   | 108,044   | 193,613   | 183,099   | 197,549   |
| Cottonseed                    | 19,146    | 15,813    | 22,747    | 21,179    | 27,167    |
| Tobacco                       | 7,226     | 6,337     | 13,283    | 9,310     | 12,078    |
| Oil crops                     | 860,933   | 764,353   | 862,132   | 896,724   | 996,276   |
| Soybeans                      | 860,543   | 764,134   | 861,948   | 896,356   | 995,839   |
| Vegetables                    | 20,907    | 20,708    | 25,221    | 26,355    | 23,232    |
| Potatoes                      | 8,289     | 8,728     | 10,124    | 8,871     | 11,039    |
| Miscellaneous vegetables      | 5,430     | 4,165     | 4,624     | 3,370     | 2,990     |
| Watermelons                   | 4,234     | 4,977     | 6,037     | 8,004     | 4,424     |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992      | 1993      | 1994      | 1995      | 1996      |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>       |           |           |           |           |           |
| Fruits/nuts                   | 12,778    | 14,490    | 12,625    | 13,868    | 11,339    |
| Apples                        | 7,324     | 8,689     | 6,530     | 6,922     | 7,459     |
| Fresh                         | 6,908     | 8,284     | 6,211     | 6,252     | 7,034     |
| Grapes                        | 834       | 883       | 1,265     | 1,105     | 959       |
| Peaches                       | 2,430     | 1,800     | 1,600     | 2,835     | 1,518     |
| Other berries                 | 700       | 700       | 750       | 725       | 520       |
| Miscellaneous fruits and nuts | 1,200     | 2,350     | 2,300     | 2,200     | 883       |
| All other crops               | 98,911    | 94,626    | 99,363    | 106,010   | 109,488   |
| Other seeds                   | 27,480    | 21,520    | 24,350    | 35,760    | 36,985    |
| Other field crops             | 6,035     | 4,680     | 6,315     | 1,880     | 5,035     |
| Christmas trees               | 3,800     | 3,800     | 4,000     | 4,100     | 4,200     |
| Greenhouse/nursery            | 61,449    | 64,514    | 64,613    | 64,183    | 63,168    |
| Floriculture                  | 35,449    | 38,014    | 37,613    | 36,483    | 34,768    |
| Other greenhouse              | 26,000    | 26,500    | 27,000    | 27,700    | 28,400    |
| <b>Montana</b>                |           |           |           |           |           |
| All commodities               | 1,780,799 | 1,806,241 | 1,884,614 | 1,870,128 | 2,027,226 |
| Livestock and products        | 911,250   | 949,317   | 855,660   | 796,251   | 796,927   |
| Meat animals                  | 838,865   | 883,758   | 786,141   | 727,155   | 721,632   |
| Cattle and calves             | 779,958   | 818,162   | 728,590   | 667,838   | 655,770   |
| Hogs                          | 33,681    | 40,503    | 33,332    | 33,634    | 37,065    |
| Sheep and lambs               | 25,226    | 25,093    | 24,219    | 25,683    | 28,797    |
| Dairy products                | 41,695    | 39,026    | 40,478    | 40,299    | 44,688    |
| Milk, wholesale               | 41,230    | 38,570    | 40,004    | 40,299    | 44,688    |
| Poultry/eggs                  | 6,657     | 6,864     | 4,814     | 5,298     | 6,228     |
| Chicken eggs                  | 6,533     | 6,563     | 4,538     | 4,988     | 5,940     |
| Other poultry                 | 68        | 214       | 239       | 246       | 256       |
| Miscellaneous livestock       | 24,033    | 19,669    | 24,227    | 23,499    | 24,379    |
| Honey                         | 5,264     | 5,027     | 6,497     | 6,106     | 6,178     |
| Wool                          | 5,072     | 2,993     | 4,379     | 5,428     | 3,901     |
| All other livestock           | 12,457    | 10,459    | 11,595    | 10,645    | 11,645    |
| Crops                         | 869,549   | 856,924   | 1,028,954 | 1,073,877 | 1,230,299 |
| Food grains                   | 480,123   | 561,062   | 705,597   | 726,894   | 860,646   |
| Wheat                         | 480,123   | 561,062   | 705,597   | 726,894   | 860,646   |
| Feed crops                    | 291,872   | 195,430   | 206,450   | 236,828   | 250,170   |
| Barley                        | 152,739   | 86,439    | 121,117   | 141,945   | 152,889   |
| Corn                          | 4,854     | 3,805     | 3,946     | 5,419     | 4,609     |
| Hay                           | 131,398   | 101,086   | 77,568    | 86,372    | 88,979    |
| Oats                          | 2,881     | 4,100     | 3,819     | 3,092     | 3,693     |
| Oil crops                     | 5,013     | 6,463     | 8,452     | 9,919     | 8,205     |
| Vegetables                    | 18,647    | 23,356    | 26,045    | 24,237    | 29,601    |
| Beans, dry                    | 2,604     | 3,744     | 4,013     | 3,518     | 4,245     |
| Potatoes                      | 15,908    | 18,967    | 21,382    | 20,069    | 24,706    |
| Miscellaneous vegetables      | 135       | 645       | 650       | 650       | 650       |
| Fruits/nuts                   | 481       | 312       | 920       | 1,067     | 1,044     |
| Other berries                 | 85        | 85        | 85        | 86        | 86        |
| All other crops               | 73,413    | 70,301    | 81,490    | 74,932    | 80,633    |
| Miscellaneous fruits and nuts | 60        | 60        | 65        | 65        | 65        |
| Sugar beets                   | 55,714    | 50,968    | 54,763    | 47,601    | 51,870    |
| Other seeds                   | 3,239     | 4,664     | 8,824     | 7,192     | 9,471     |
| Other field crops             | 4,460     | 4,669     | 6,903     | 9,139     | 8,292     |
| Greenhouse/nursery            | 10,000    | 10,000    | 11,000    | 11,000    | 11,000    |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992      | 1993      | 1994      | 1995      | 1996      |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>       |           |           |           |           |           |
| <b>Nebraska</b>               |           |           |           |           |           |
| All commodities               | 8,685,262 | 8,871,495 | 8,515,799 | 8,953,100 | 9,454,041 |
| Livestock and products        | 5,675,677 | 5,846,297 | 5,404,715 | 5,190,520 | 5,277,261 |
| Meat animals                  | 5,407,511 | 5,567,711 | 5,135,540 | 4,907,775 | 4,949,586 |
| Cattle and calves             | 4,619,794 | 4,707,491 | 4,380,389 | 4,157,817 | 4,081,767 |
| Hogs                          | 778,068   | 850,302   | 747,628   | 739,003   | 856,139   |
| Sheep and lambs               | 9,649     | 9,918     | 7,523     | 10,955    | 11,680    |
| Dairy products                | 150,570   | 136,250   | 138,240   | 133,125   | 147,600   |
| Milk, wholesale               | 150,570   | 136,250   | 138,240   | 133,125   | 147,600   |
| Poultry/eggs                  | 74,792    | 99,989    | 89,561    | 107,080   | 136,149   |
| Broilers                      | 5,520     | 6,141     | 6,552     | 6,696     | 4,788     |
| Chicken eggs                  | 53,310    | 72,634    | 60,810    | 74,702    | 109,013   |
| Other poultry                 | 2,250     | 3,400     | 3,450     | 3,500     | 3,500     |
| Miscellaneous livestock       | 42,804    | 42,347    | 41,374    | 42,540    | 43,926    |
| Honey                         | 3,816     | 3,079     | 2,218     | 3,197     | 4,485     |
| All other livestock           | 38,400    | 38,800    | 38,700    | 38,700    | 38,700    |
| Crops                         | 3,009,585 | 3,025,198 | 3,111,084 | 3,762,580 | 4,176,780 |
| Food grains                   | 178,359   | 214,050   | 236,438   | 337,056   | 339,176   |
| Wheat                         | 176,822   | 213,190   | 235,609   | 336,243   | 338,420   |
| Feed crops                    | 2,149,396 | 2,073,086 | 2,015,290 | 2,512,961 | 2,781,907 |
| Barley                        | 1,607     | 1,008     | 658       | 537       | 1,715     |
| Corn                          | 1,857,518 | 1,776,979 | 1,738,579 | 2,238,286 | 2,490,992 |
| Hay                           | 82,265    | 103,464   | 101,306   | 78,728    | 78,709    |
| Oats                          | 9,662     | 4,993     | 6,287     | 4,411     | 7,228     |
| Sorghum grain                 | 198,344   | 186,642   | 168,460   | 190,999   | 203,263   |
| Oil crops                     | 503,859   | 546,367   | 638,408   | 706,292   | 834,649   |
| Soybeans                      | 498,451   | 538,560   | 630,146   | 696,620   | 827,656   |
| Vegetables                    | 70,096    | 75,809    | 100,252   | 108,573   | 125,741   |
| Beans, dry                    | 47,978    | 49,099    | 64,383    | 75,068    | 83,388    |
| Potatoes                      | 17,118    | 19,560    | 27,029    | 27,775    | 33,703    |
| Summer                        | 3,094     | 4,365     | 9,424     | 8,361     | 10,039    |
| Fall                          | 14,024    | 15,195    | 17,605    | 19,414    | 23,664    |
| Miscellaneous vegetables      | 5,000     | 7,150     | 8,840     | 5,730     | 8,650     |
| Fruits/nuts                   | 1,950     | 1,800     | 1,300     | 1,300     | 1,300     |
| Other berries                 | 350       | 200       | 200       | 200       | 200       |
| Miscellaneous fruits and nuts | 1,600     | 1,600     | 1,100     | 1,100     | 1,100     |
| All other crops               | 105,925   | 114,086   | 119,396   | 96,398    | 94,007    |
| Sugar beets                   | 54,925    | 52,586    | 54,896    | 40,798    | 31,407    |
| Other seeds                   | 3,500     | 3,000     | 2,500     | 2,500     | 2,500     |
| Other field crops             | 32,500    | 36,500    | 40,000    | 31,100    | 38,100    |
| <b>Nevada</b>                 |           |           |           |           |           |
| All commodities               | 267,419   | 294,806   | 306,681   | 282,081   | 286,002   |
| Livestock and products        | 194,341   | 192,220   | 189,633   | 163,585   | 153,436   |
| Meat animals                  | 147,147   | 146,284   | 134,688   | 109,215   | 86,911    |
| Cattle and calves             | 142,243   | 141,431   | 130,640   | 102,436   | 81,017    |
| Hogs                          | 1,879     | 1,788     | 1,820     | 1,597     | 1,909     |
| Sheep and lambs               | 3,025     | 3,065     | 2,228     | 5,182     | 3,985     |
| Dairy products                | 43,152    | 42,189    | 50,750    | 50,520    | 62,310    |
| Milk, wholesale               | 43,152    | 42,189    | 50,750    | 50,520    | 62,310    |
| Poultry/eggs                  | 50        | 39        | 52        | 55        | 56        |

See footnotes at end of table.

Continued—



**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992    | 1993    | 1994    | 1995    | 1996    |
|-------------------------------|---------|---------|---------|---------|---------|
| <i>Thousand dollars</i>       |         |         |         |         |         |
| Miscellaneous livestock       | 3,992   | 3,708   | 4,143   | 3,795   | 4,159   |
| Other livestock               | 2,647   | 2,700   | 2,800   | 2,800   | 2,800   |
| Crops                         | 73,078  | 102,586 | 117,048 | 118,496 | 132,566 |
| Food grains                   | 2,348   | 2,450   | 2,445   | 3,296   | 6,174   |
| Wheat                         | 2,348   | 2,450   | 2,445   | 3,296   | 6,174   |
| Feed crops                    | 39,894  | 56,767  | 65,363  | 67,035  | 67,669  |
| Hay                           | 38,892  | 55,764  | 64,612  | 66,367  | 66,915  |
| Oil crops                     | 4       | NA      | NA      | NA      | NA      |
| Vegetables                    | 19,221  | 33,842  | 36,163  | 32,427  | 42,123  |
| Potatoes                      | 11,154  | 16,200  | 14,460  | 16,286  | 20,471  |
| Onions                        | 4,914   | 15,120  | 17,640  | 11,362  | 15,979  |
| Spring                        | NA      | NA      | 8,820   | NA      | NA      |
| Summer, nonstorage            | NA      | NA      | 8,820   | 11,362  | 15,979  |
| Miscellaneous vegetables      | 3,153   | 2,522   | 4,063   | 4,779   | 5,673   |
| Fruits/nuts                   | 77      | 86      | 77      | 73      | 85      |
| Miscellaneous fruits and nuts | 77      | 86      | 77      | 73      | 85      |
| All other crops               | 11,534  | 9,441   | 13,000  | 15,665  | 16,515  |
| Other seeds                   | 6,596   | 4,211   | 7,520   | 9,875   | 10,505  |
| Other field crops             | 995     | 980     | 940     | 930     | 930     |
| Greenhouse/nursery            | 3,943   | 4,250   | 4,540   | 4,860   | 5,080   |
| <b>New Hampshire</b>          |         |         |         |         |         |
| All commodities               | 148,106 | 148,813 | 148,955 | 149,372 | 160,907 |
| Livestock and products        | 67,530  | 66,006  | 63,502  | 63,381  | 72,302  |
| Meat animals                  | 6,868   | 9,468   | 7,498   | 6,716   | 7,243   |
| Cattle and calves             | 5,649   | 7,908   | 6,888   | 6,216   | 6,560   |
| Dairy products                | 46,248  | 43,840  | 43,120  | 43,470  | 49,764  |
| Milk, wholesale               | 46,248  | 43,840  | 43,120  | 43,470  | 49,764  |
| Poultry/eggs                  | 9,015   | 7,234   | 7,362   | 7,568   | 9,571   |
| Chicken eggs                  | 5,460   | 3,938   | 3,153   | 2,750   | 2,835   |
| Other poultry                 | 2,975   | 2,684   | 3,747   | 4,388   | 6,381   |
| Miscellaneous livestock       | 5,399   | 5,464   | 5,522   | 5,627   | 5,724   |
| Aquaculture                   | 756     | 756     | 800     | 810     | 810     |
| All other livestock           | 4,456   | 4,530   | 4,561   | 4,613   | 4,574   |
| Crops                         | 80,576  | 82,807  | 85,453  | 85,991  | 88,605  |
| Feed crops                    | 3,899   | 3,894   | 3,849   | 3,884   | 3,317   |
| Hay                           | 3,899   | 3,894   | 3,849   | 3,884   | 3,317   |
| Vegetables                    | 17,104  | 19,847  | 20,742  | 20,779  | 22,016  |
| Miscellaneous vegetables      | 13,665  | 15,755  | 15,750  | 15,400  | 16,000  |
| Fruits/nuts                   | 12,743  | 11,910  | 12,480  | 11,489  | 11,728  |
| Apples                        | 9,046   | 7,857   | 8,326   | 8,539   | 8,507   |
| Fresh                         | 7,918   | 6,837   | 7,516   | 7,549   | 7,472   |
| Other berries                 | 3,369   | 3,723   | 3,887   | 2,693   | 2,936   |
| Miscellaneous fruits and nuts | 328     | 330     | 267     | 257     | 285     |
| All other crops               | 46,830  | 47,156  | 48,382  | 49,839  | 51,544  |
| Maple products                | 3,093   | 2,343   | 2,540   | 2,432   | 3,311   |
| Christmas trees               | 6,000   | 6,000   | 6,000   | 6,000   | 6,000   |
| Greenhouse/nursery            | 34,000  | 35,700  | 37,000  | 39,000  | 40,000  |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity             | 1992    | 1993    | 1994    | 1995    | 1996    |
|---------------------------------|---------|---------|---------|---------|---------|
| <i>Thousand dollars</i>         |         |         |         |         |         |
| <b>New Jersey</b>               |         |         |         |         |         |
| All commodities                 | 645,593 | 701,127 | 770,215 | 773,216 | 800,958 |
| Livestock and products          | 192,205 | 197,309 | 180,659 | 196,172 | 195,563 |
| Meat animals                    | 17,383  | 18,926  | 13,640  | 11,122  | 10,195  |
| Cattle and calves               | 15,460  | 16,206  | 11,139  | 9,142   | 7,251   |
| Hogs                            | 1,142   | 1,820   | 1,580   | 872     | 1,824   |
| Dairy products                  | 48,576  | 48,465  | 44,850  | 42,028  | 44,829  |
| Milk, wholesale                 | 48,576  | 48,465  | 44,850  | 42,028  | 44,829  |
| Poultry/eggs                    | 32,670  | 36,598  | 29,886  | 26,669  | 31,172  |
| Chicken eggs                    | 30,042  | 33,313  | 26,684  | 23,162  | 28,817  |
| Turkeys                         | 1,383   | 1,685   | 1,734   | 1,782   | 1,370   |
| Other poultry                   | 960     | 1,384   | 1,324   | 1,663   | 944     |
| Miscellaneous livestock         | 93,576  | 93,320  | 92,283  | 116,353 | 109,367 |
| All other livestock             | 93,360  | 93,037  | 92,023  | 116,061 | 109,026 |
| Crops                           | 453,388 | 503,818 | 589,556 | 577,044 | 605,395 |
| Food grains                     | 4,589   | 4,455   | 4,721   | 7,512   | 8,087   |
| Wheat                           | 3,864   | 3,901   | 4,150   | 6,774   | 7,849   |
| Feed crops                      | 19,550  | 17,797  | 17,584  | 19,972  | 24,969  |
| Corn                            | 11,636  | 10,799  | 10,878  | 11,857  | 16,872  |
| Hay                             | 7,365   | 6,606   | 6,404   | 7,655   | 7,704   |
| Oil crops                       | 22,217  | 24,377  | 25,411  | 19,624  | 23,118  |
| Soybeans                        | 22,198  | 24,346  | 25,391  | 19,617  | 23,105  |
| Vegetables                      | 139,699 | 160,236 | 194,975 | 177,096 | 185,096 |
| Potatoes                        | 4,779   | 3,781   | 3,657   | 4,373   | 4,272   |
| Sweetpotatoes                   | 3,377   | 3,069   | 2,444   | 3,505   | 3,541   |
| Asparagus                       | 2,530   | 2,323   | 1,764   | 2,800   | 3,852   |
| Beans, snap, fresh              | 4,010   | 6,759   | 4,182   | 5,845   | 4,723   |
| Corn, sweet, fresh              | 11,826  | 15,884  | 12,929  | 11,288  | 15,768  |
| Cucumbers, fresh                | 8,536   | 7,909   | 8,260   | 7,779   | 5,247   |
| Eggplant, all                   | 3,240   | 4,646   | 5,280   | 2,220   | 4,342   |
| Escarole                        | 2,843   | 3,269   | 2,640   | 2,592   | 4,121   |
| Kale/collards                   | NA      | NA      | 3,455   | 3,398   | 3,924   |
| Kale                            | NA      | NA      | 1,435   | 1,638   | 1,593   |
| Collards                        | NA      | NA      | 2,020   | 1,760   | 2,331   |
| Lettuce                         | 7,183   | 10,922  | 15,869  | 11,278  | 12,582  |
| Head                            | 4,342   | 8,402   | 12,449  | 8,748   | 8,226   |
| Romaine                         | 2,841   | 2,520   | 3,420   | 2,530   | 4,356   |
| Peppers, green                  | 13,603  | 21,794  | 44,975  | 24,422  | 27,830  |
| Spinach                         | 4,302   | 4,878   | 5,288   | 6,100   | 6,486   |
| Tomatoes, fresh                 | 21,420  | 18,896  | 28,863  | 26,730  | 23,559  |
| Squash                          | 10,444  | 11,318  | 10,002  | 16,971  | 10,650  |
| Winter                          | 1,820   | 2,835   | 1,770   | 2,451   | 1,260   |
| Summer                          | 8,624   | 8,483   | 8,232   | 14,520  | 9,390   |
| Miscellaneous vegetables        | 28,759  | 29,680  | 30,186  | 35,049  | 32,492  |
| Pumpkins                        | 3,658   | 2,693   | 3,569   | 3,140   | 3,315   |
| Miscellaneous vegetables, other | 25,101  | 26,987  | 26,617  | 31,909  | 29,177  |
| Fruits/nuts                     | 80,720  | 83,200  | 84,760  | 88,913  | 102,056 |
| Apples                          | 7,388   | 11,771  | 10,763  | 11,225  | 8,789   |
| Fresh                           | 5,166   | 9,818   | 8,630   | 8,895   | 6,008   |
| Processing                      | 2,222   | 1,953   | 2,133   | 2,330   | 2,781   |
| Peaches                         | 25,500  | 25,288  | 22,685  | 26,180  | 33,649  |
| Cranberries                     | 23,326  | 18,219  | 26,003  | 22,700  | 22,750  |
| Strawberries                    | 1,685   | 1,539   | 759     | 944     | 1,101   |
| Blueberries                     | 21,820  | 25,005  | 23,205  | 26,500  | 33,010  |
| Other berries                   | 530     | 530     | 357     | 357     | 357     |
| Miscellaneous fruits and nuts   | 471     | 848     | 988     | 1,007   | 2,400   |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992      | 1993      | 1994      | 1995      | 1996      |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>       |           |           |           |           |           |
| All other crops               | 186,613   | 213,753   | 262,105   | 263,927   | 262,069   |
| Other field crops             | 4,666     | 4,051     | 4,836     | 4,719     | 4,845     |
| Greenhouse/nursery            | 181,755   | 209,510   | 257,077   | 259,016   | 257,032   |
| Floriculture                  | 65,569    | 81,200    | 90,998    | 96,898    | 94,434    |
| Other greenhouse              | 116,186   | 128,310   | 166,079   | 162,118   | 162,598   |
| <b>New Mexico</b>             |           |           |           |           |           |
| All commodities               | 1,508,845 | 1,590,919 | 1,583,406 | 1,458,230 | 1,709,056 |
| Livestock and products        | 1,025,172 | 1,123,329 | 1,101,544 | 960,596   | 1,197,489 |
| Meat animals                  | 723,796   | 779,797   | 676,609   | 498,755   | 640,495   |
| Cattle and calves             | 709,526   | 763,886   | 664,389   | 483,140   | 628,219   |
| Hogs                          | 3,880     | 4,894     | 3,727     | 3,429     | 1,374     |
| Sheep and lambs               | 10,390    | 11,017    | 8,493     | 12,186    | 10,902    |
| Dairy products                | 269,554   | 310,767   | 393,882   | 430,803   | 523,279   |
| Milk, retail                  | 10,670    | 10,428    | 11,526    | 13,581    | 13,921    |
| Milk, wholesale               | 258,884   | 300,339   | 382,356   | 417,222   | 509,358   |
| Poultry/eggs                  | 14,716    | 16,769    | 15,127    | 13,439    | 17,274    |
| Chicken eggs                  | 14,645    | 16,693    | 15,000    | 13,383    | 17,213    |
| Other poultry                 | 40        | 40        | 40        | 40        | 40        |
| Miscellaneous livestock       | 17,106    | 15,996    | 15,926    | 17,599    | 16,441    |
| Wool                          | 3,490     | 2,151     | 2,737     | 3,510     | 2,340     |
| Other livestock               | 12,500    | 12,750    | 12,000    | 12,500    | 12,500    |
| Crops                         | 483,673   | 467,590   | 481,862   | 497,634   | 511,567   |
| Food grains                   | 32,741    | 21,588    | 18,308    | 14,919    | 18,195    |
| Wheat                         | 32,741    | 21,588    | 18,308    | 14,919    | 18,195    |
| Feed crops                    | 143,977   | 168,024   | 181,346   | 170,949   | 208,495   |
| Corn                          | 19,718    | 23,462    | 26,679    | 28,214    | 38,673    |
| Hay                           | 102,573   | 122,949   | 137,705   | 130,484   | 154,745   |
| Sorghum grain                 | 21,686    | 21,613    | 16,962    | 12,251    | 15,077    |
| Cotton                        | 24,690    | 36,799    | 36,480    | 34,385    | 43,458    |
| Cotton lint, all              | 22,342    | 33,014    | 33,239    | 30,979    | 38,929    |
| Upland                        | 13,613    | 21,623    | 23,458    | 24,660    | 28,654    |
| Long staple                   | 8,729     | 11,391    | 9,781     | 6,319     | 10,275    |
| Cottonseed                    | 2,348     | 3,785     | 3,241     | 3,406     | 4,529     |
| Oil crops                     | 19,178    | 19,294    | 16,481    | 14,253    | 10,014    |
| Peanuts                       | 18,985    | 18,988    | 16,376    | 14,190    | 9,954     |
| Vegetables                    | 157,135   | 149,137   | 140,496   | 152,794   | 159,040   |
| Beans, dry                    | 5,818     | 6,713     | 6,653     | 6,340     | 7,029     |
| Potatoes                      | 20,897    | 19,010    | 22,491    | 24,045    | 19,903    |
| Summer                        | 5,596     | 6,960     | 6,204     | 11,694    | 8,192     |
| Fall                          | 15,301    | 12,050    | 16,287    | 12,351    | 11,711    |
| Lettuce                       | 8,711     | 7,088     | 7,182     | 8,493     | 5,654     |
| Onions                        | 38,080    | 43,999    | 32,052    | 52,826    | 44,744    |
| Peppers, chili                | 67,379    | 56,077    | 55,868    | 44,840    | 65,460    |
| Miscellaneous vegetables      | 16,250    | 16,250    | 16,250    | 16,250    | 16,250    |
| Fruits/nuts                   | 53,275    | 24,897    | 34,252    | 58,234    | 19,350    |
| Apples                        | 2,535     | 1,757     | 1,752     | 894       | 1,530     |
| Other berries                 | 40        | 40        | 40        | 40        | 40        |
| Pecans                        | 49,200    | 21,600    | 30,960    | 55,800    | 16,280    |
| Miscellaneous fruits and nuts | 1,500     | 1,500     | 1,500     | 1,500     | 1,500     |
| All other crops               | 52,677    | 47,851    | 54,499    | 52,100    | 53,015    |
| Other seeds                   | 2,000     | 2,000     | 2,000     | 2,000     | 2,000     |
| Other field crops             | 8,390     | 8,390     | 9,000     | 9,000     | 9,000     |
| Christmas trees               | NA        | NA        | 1,674     | 1,674     | 1,674     |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity      | 1992      | 1993      | 1994      | 1995      | 1996      |
|--------------------------|-----------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>  |           |           |           |           |           |
| Greenhouse/nursery       | 42,047    | 37,181    | 41,232    | 39,062    | 39,358    |
| Floriculture             | 24,047    | 19,181    | 23,232    | 21,062    | 21,358    |
| Other greenhouse         | 18,000    | 18,000    | 18,000    | 18,000    | 18,000    |
| <b>New York</b>          |           |           |           |           |           |
| All commodities          | 2,849,723 | 2,871,136 | 2,878,794 | 2,858,839 | 3,043,034 |
| Livestock and products   | 1,908,299 | 1,901,088 | 1,888,343 | 1,852,438 | 2,044,547 |
| Meat animals             | 209,179   | 254,407   | 228,402   | 160,983   | 115,476   |
| Cattle and calves        | 194,733   | 237,212   | 215,722   | 149,201   | 102,096   |
| Hogs                     | 12,018    | 13,820    | 9,390     | 8,050     | 10,099    |
| Sheep and lambs          | 2,428     | 3,375     | 3,290     | 3,732     | 3,281     |
| Dairy products           | 1,527,273 | 1,463,554 | 1,495,702 | 1,487,695 | 1,693,251 |
| Milk, retail             | 8,651     | 8,074     | 7,033     | 4,395     | 3,740     |
| Milk, wholesale          | 1,518,622 | 1,455,480 | 1,488,669 | 1,483,300 | 1,689,511 |
| Poultry/eggs             | 82,280    | 90,799    | 89,844    | 91,601    | 101,213   |
| Broilers                 | 1,369     | 1,530     | 1,904     | 2,381     | 3,280     |
| Chicken eggs             | 46,713    | 52,000    | 50,002    | 55,871    | 66,949    |
| Turkeys                  | 4,268     | 4,505     | 5,300     | 5,451     | 5,373     |
| Ducks                    | 8,736     | 8,493     | 8,874     | 9,512     | 10,614    |
| Other poultry            | 20,337    | 23,683    | 23,400    | 18,187    | 14,968    |
| Miscellaneous livestock  | 89,567    | 92,328    | 74,395    | 112,159   | 134,607   |
| Honey                    | 2,818     | 2,539     | 2,913     | 3,728     | 4,787     |
| Other livestock          | 85,625    | 88,897    | 70,457    | 107,533   | 128,598   |
| Mink pelts               | 942       | 904       | 1,306     | 1,505     | 1,104     |
| All other livestock      | 84,683    | 87,993    | 69,151    | 106,028   | 127,494   |
| Crops                    | 941,424   | 970,048   | 990,451   | 1,006,401 | 998,487   |
| Food grains              | 17,982    | 12,894    | 18,978    | 26,825    | 29,277    |
| Wheat                    | 17,501    | 12,521    | 18,608    | 26,377    | 28,937    |
| Feed crops               | 147,382   | 144,898   | 155,880   | 166,698   | 201,491   |
| Corn                     | 67,800    | 70,355    | 80,156    | 91,452    | 123,726   |
| Hay                      | 74,528    | 71,573    | 74,904    | 71,004    | 73,487    |
| Oats                     | 5,054     | 2,970     | 820       | 4,242     | 4,278     |
| Oil crops                | 8,124     | 11,699    | 14,281    | 15,121    | 18,250    |
| Soybeans                 | 7,875     | 11,407    | 13,940    | 14,843    | 18,091    |
| Vegetables               | 268,195   | 337,033   | 327,840   | 313,991   | 261,412   |
| Beans, dry               | 7,882     | 8,816     | 10,299    | 10,722    | 9,927     |
| Potatoes                 | 61,475    | 56,513    | 66,194    | 60,349    | 57,577    |
| Beans, snap              | 12,041    | 19,602    | 23,986    | 21,378    | 20,841    |
| Fresh                    | 4,366     | 8,840     | 13,572    | 8,701     | 7,691     |
| Processing               | 7,675     | 10,762    | 10,414    | 12,677    | 13,150    |
| Beets                    | 1,785     | 2,668     | 2,630     | 2,548     | 3,127     |
| Cabbage                  | 34,536    | 47,509    | 45,311    | 49,111    | 36,980    |
| Fresh                    | 33,171    | 43,932    | 42,875    | 47,081    | 35,111    |
| Processing               | 1,365     | 3,577     | 2,436     | 2,030     | 1,869     |
| Carrots                  | 7,807     | 4,376     | 5,271     | 4,261     | 2,915     |
| Cauliflower              | 5,545     | 7,560     | 7,181     | 4,799     | 4,662     |
| New York, Upstate        | 3,765     | 4,896     | NA        | NA        | NA        |
| Celery                   | 5,441     | 2,435     | NA        | NA        | NA        |
| Corn, sweet              | 30,692    | 39,544    | 44,463    | 54,991    | 39,470    |
| Fresh                    | 19,647    | 23,265    | 30,988    | 38,556    | 23,206    |
| Processing               | 11,045    | 16,279    | 13,475    | 16,435    | 16,264    |
| Cucumbers, fresh         | 8,901     | 6,667     | 6,306     | 6,674     | 7,093     |
| Lettuce                  | 7,782     | 3,972     | 3,896     | 2,093     | 1,040     |
| Onions                   | 34,713    | 76,040    | 51,587    | 41,180    | 39,287    |
| Peas, green              | 5,887     | 5,555     | 7,047     | 9,546     | 8,461     |
| Tomatoes, fresh          | 6,846     | 9,936     | 14,760    | 7,380     | 3,359     |
| Miscellaneous vegetables | 35,000    | 44,800    | 37,800    | 37,800    | 26,000    |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992      | 1993      | 1994      | 1995      | 1996      |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>       |           |           |           |           |           |
| Fruits/nuts                   | 193,801   | 169,773   | 178,266   | 191,970   | 208,603   |
| Apples                        | 130,985   | 106,067   | 111,953   | 132,860   | 138,222   |
| Fresh                         | 85,580    | 68,551    | 76,067    | 89,950    | 91,017    |
| Processing                    | 45,405    | 37,516    | 35,886    | 42,910    | 47,205    |
| Cherries                      | 4,513     | 2,165     | 3,631     | 2,076     | 2,000     |
| Tart                          | 4,015     | 1,570     | 2,934     | 1,116     | 1,146     |
| Grapes                        | 37,584    | 26,165    | 39,761    | 36,264    | 43,800    |
| Peaches                       | 3,595     | 2,660     | 1,757     | 2,280     | 4,003     |
| Pears                         | 4,734     | 3,781     | 4,848     | 5,392     | 5,748     |
| Strawberries                  | 8,346     | 22,032    | 11,648    | 8,988     | 9,840     |
| Blueberries                   | 1,144     | 1,646     | 1,404     | 1,104     | 1,021     |
| Other berries                 | 1,100     | 3,457     | 1,584     | 846       | 1,449     |
| Miscellaneous fruits and nuts | 1,800     | 1,800     | 1,680     | 2,160     | 2,520     |
| All other crops               | 305,940   | 293,751   | 295,206   | 291,796   | 279,454   |
| Maple products                | 9,360     | 3,366     | 6,150     | 4,888     | 8,747     |
| Other seeds                   | 172       | 1,376     | 743       | 825       | 644       |
| Other field crops             | 522       | 672       | 470       | 1,133     | 1,328     |
| Christmas trees               | 30,100    | 30,000    | 29,000    | 28,600    | 27,400    |
| Greenhouse/nursery            | 261,839   | 254,390   | 256,884   | 253,890   | 238,875   |
| Floriculture                  | 136,508   | 127,806   | 125,237   | 126,192   | 108,623   |
| Other greenhouse              | 125,331   | 126,584   | 131,647   | 127,698   | 130,252   |
| Mushrooms, agaricus           | 3,942     | 3,942     | NA        | NA        | NA        |
| <b>North Carolina</b>         |           |           |           |           |           |
| All commodities               | 5,561,517 | 6,041,096 | 6,442,811 | 6,890,590 | 7,831,309 |
| Livestock and products        | 2,784,197 | 3,189,963 | 3,328,970 | 3,726,030 | 4,427,323 |
| Meat animals                  | 899,858   | 1,102,652 | 1,150,013 | 1,421,757 | 1,903,037 |
| Cattle and calves             | 168,607   | 171,990   | 166,689   | 146,936   | 153,846   |
| Hogs                          | 730,814   | 930,022   | 982,788   | 1,274,355 | 1,748,690 |
| Dairy products                | 218,854   | 211,248   | 210,532   | 189,750   | 211,756   |
| Milk, wholesale               | 218,854   | 211,248   | 210,532   | 189,750   | 211,756   |
| Poultry/eggs                  | 1,612,303 | 1,822,114 | 1,911,483 | 2,053,936 | 2,249,917 |
| Broilers                      | 855,729   | 1,004,000 | 1,061,775 | 1,161,950 | 1,310,429 |
| Farm chickens                 | 13,281    | 13,289    | 10,350    | 8,111     | 9,158     |
| Chicken eggs                  | 180,047   | 195,193   | 196,858   | 203,041   | 217,875   |
| Turkeys                       | 475,416   | 519,232   | 544,800   | 582,134   | 612,255   |
| Other poultry                 | 87,830    | 90,400    | 97,700    | 98,700    | 100,200   |
| Miscellaneous livestock       | 53,182    | 53,949    | 56,942    | 60,587    | 62,613    |
| Aquaculture                   | 6,714     | 7,279     | 5,820     | 8,657     | 9,603     |
| Catfish                       | 1,436     | 1,495     | 1,382     | 1,993     | 2,466     |
| Trout                         | 5,278     | 5,784     | 4,438     | 6,664     | 7,137     |
| All other livestock           | 45,800    | 45,800    | 50,120    | 51,220    | 52,220    |
| Crops                         | 2,777,320 | 2,851,133 | 3,113,841 | 3,164,560 | 3,403,986 |
| Food grains                   | 82,660    | 70,069    | 93,660    | 108,956   | 124,012   |
| Wheat                         | 82,165    | 69,012    | 92,729    | 108,139   | 123,105   |
| Feed crops                    | 195,300   | 152,769   | 165,258   | 184,913   | 269,470   |
| Barley                        | 2,674     | 1,725     | 1,721     | 2,923     | 3,139     |
| Corn                          | 177,990   | 139,177   | 148,969   | 161,625   | 241,824   |
| Hay                           | 9,998     | 8,202     | 10,310    | 16,758    | 21,383    |
| Oats                          | 2,893     | 2,163     | 2,284     | 1,585     | 1,382     |
| Sorghum grain                 | 1,745     | 1,502     | 1,974     | 2,022     | 1,742     |
| Cotton                        | 144,133   | 132,762   | 261,992   | 278,443   | 343,232   |
| Cotton lint, all              | 136,957   | 125,762   | 250,067   | 268,458   | 326,457   |
| Cottonseed                    | 7,176     | 7,000     | 11,925    | 9,985     | 16,775    |
| Tobacco                       | 1,049,524 | 1,029,927 | 942,931   | 1,048,523 | 1,021,487 |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992      | 1993      | 1994      | 1995      | 1996      |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>       |           |           |           |           |           |
| Oil crops                     | 329,831   | 290,471   | 351,328   | 248,783   | 312,896   |
| Peanuts                       | 126,164   | 94,968    | 133,988   | 91,427    | 95,918    |
| Soybeans                      | 203,467   | 195,466   | 217,329   | 157,352   | 216,978   |
| Vegetables                    | 197,421   | 253,758   | 294,753   | 281,184   | 286,906   |
| Potatoes                      | 15,029    | 17,923    | 22,529    | 19,941    | 21,587    |
| Spring                        | 13,649    | 17,077    | 21,815    | 19,231    | 20,888    |
| Sweetpotatoes                 | 40,522    | 42,192    | 51,802    | 55,583    | 53,409    |
| Beans, snap, fresh            | 6,272     | 5,824     | 7,221     | 6,322     | 5,580     |
| Cabbage                       | 7,920     | 8,586     | 9,500     | 8,237     | 5,121     |
| Corn, sweet                   | 4,802     | 5,678     | 5,233     | 4,616     | 8,505     |
| Cucumbers                     | 19,633    | 23,207    | 28,749    | 21,983    | 20,243    |
| Fresh                         | 2,604     | 2,668     | 3,949     | 5,388     | 7,150     |
| Processing                    | 17,029    | 20,539    | 24,800    | 16,595    | 13,093    |
| Peppers, green                | 4,326     | 4,000     | 6,765     | 5,130     | 10,416    |
| Tomatoes                      | 4,848     | 4,703     | 6,065     | 4,179     | 6,048     |
| Miscellaneous vegetables      | 89,500    | 135,000   | 150,000   | 145,000   | 148,000   |
| Watermelons                   | 4,294     | 6,273     | 6,210     | 9,077     | 6,525     |
| Fruits/nuts                   | 41,291    | 46,332    | 57,410    | 58,841    | 48,351    |
| Apples                        | 17,882    | 17,529    | 21,953    | 22,655    | 24,003    |
| Fresh                         | 7,015     | 7,808     | 11,121    | 10,799    | 11,650    |
| Processing                    | 10,867    | 9,721     | 10,832    | 11,856    | 12,353    |
| Peaches                       | 2,352     | 6,029     | 7,168     | 7,027     | 764       |
| Strawberries                  | 7,303     | 6,556     | 9,376     | 12,307    | 10,787    |
| Blueberries                   | 9,545     | 13,354    | 13,878    | 12,720    | 11,150    |
| Other berries                 | 325       | 400       | 435       | 430       | 400       |
| Pecans                        | 2,825     | 1,300     | 3,470     | 2,580     | 464       |
| Miscellaneous fruits and nuts | 45        | 100       | 110       | 105       | 102       |
| All other crops               | 737,160   | 875,045   | 946,509   | 954,917   | 997,632   |
| Other seeds                   | 650       | 700       | 750       | 740       | 700       |
| Other field crops             | 4,000     | 4,000     | 6,000     | 6,500     | 7,000     |
| Christmas trees               | NA        | 75,000    | 88,000    | 90,000    | 100,000   |
| Greenhouse/nursery            | 732,235   | 795,113   | 851,222   | 857,112   | 889,397   |
| Floriculture                  | 82,235    | 85,113    | 81,222    | 82,112    | 89,397    |
| Other greenhouse              | 650,000   | 710,000   | 770,000   | 775,000   | 800,000   |
| <b>North Dakota</b>           |           |           |           |           |           |
| All commodities               | 2,889,633 | 2,949,417 | 3,027,577 | 3,141,141 | 3,532,393 |
| Livestock and products        | 650,006   | 600,407   | 624,595   | 567,242   | 536,777   |
| Meat animals                  | 493,219   | 455,662   | 476,079   | 411,188   | 360,836   |
| Cattle and calves             | 444,773   | 402,198   | 428,866   | 366,347   | 305,457   |
| Hogs                          | 39,533    | 43,712    | 38,704    | 38,228    | 48,401    |
| Sheep and lambs               | 8,913     | 9,752     | 8,509     | 6,613     | 6,978     |
| Dairy products                | 118,080   | 107,400   | 102,480   | 96,524    | 107,545   |
| Milk, wholesale               | 118,080   | 107,400   | 102,480   | 96,524    | 107,545   |
| Poultry/eggs                  | 10,953    | 10,805    | 11,716    | 15,750    | 23,204    |
| Chicken eggs                  | 1,401     | 2,784     | 1,530     | 1,504     | 2,681     |
| Turkeys                       | 8,619     | 6,843     | 9,108     | 12,863    | 19,404    |
| Other poultry                 | 442       | 545       | 459       | 490       | 568       |
| Miscellaneous livestock       | 27,754    | 26,540    | 34,320    | 43,780    | 45,192    |
| Honey                         | 11,575    | 10,296    | 15,566    | 15,919    | 17,802    |
| All other livestock           | 15,094    | 15,551    | 18,005    | 26,861    | 26,685    |
| Crops                         | 2,239,627 | 2,349,010 | 2,402,982 | 2,573,899 | 2,995,616 |
| Food grains                   | 1,181,820 | 1,464,870 | 1,263,512 | 1,431,235 | 1,607,752 |
| Rye                           | 1,800     | 1,668     | 1,167     | 1,176     | 1,005     |
| Wheat                         | 1,180,020 | 1,463,202 | 1,262,345 | 1,430,059 | 1,606,747 |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992      | 1993      | 1994      | 1995      | 1996      |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>       |           |           |           |           |           |
| Feed crops                    | 379,999   | 315,358   | 360,094   | 388,645   | 490,025   |
| Barley                        | 237,280   | 174,885   | 215,104   | 230,059   | 302,768   |
| Corn                          | 78,987    | 49,809    | 61,539    | 100,795   | 131,696   |
| Hay                           | 43,545    | 69,189    | 62,511    | 40,213    | 38,538    |
| Oats                          | 20,187    | 21,475    | 20,940    | 17,578    | 17,023    |
| Oil crops                     | 288,732   | 219,899   | 330,149   | 339,783   | 409,689   |
| Soybeans                      | 98,991    | 76,090    | 82,233    | 108,940   | 154,128   |
| Sunflower                     | 169,447   | 126,131   | 218,287   | 190,008   | 207,936   |
| Vegetables                    | 197,466   | 183,011   | 230,829   | 218,588   | 282,764   |
| Beans, dry                    | 87,883    | 80,056    | 92,278    | 108,016   | 149,554   |
| Potatoes                      | 108,083   | 100,955   | 136,326   | 107,572   | 131,560   |
| Miscellaneous vegetables      | 1,500     | 2,000     | 2,225     | 3,000     | 1,650     |
| Fruits/nuts                   | 100       | 100       | 100       | 100       | 190       |
| Other berries                 | 70        | 70        | 70        | 70        | 70        |
| Miscellaneous fruits and nuts | 30        | 30        | 30        | 30        | 120       |
| All other crops               | 191,510   | 165,772   | 218,298   | 195,548   | 205,196   |
| Sugar beets                   | 155,848   | 127,903   | 172,589   | 153,624   | 164,728   |
| Other seeds                   | 604       | 521       | 379       | 508       | 420       |
| Other field crops             | 7,862     | 10,122    | 17,402    | 13,395    | 11,905    |
| Christmas trees               | 196       | 226       | 201       | 190       | 185       |
| <b>Ohio</b>                   |           |           |           |           |           |
| All commodities               | 4,113,383 | 4,486,140 | 4,434,783 | 4,683,502 | 5,121,783 |
| Livestock and products        | 1,553,464 | 1,651,597 | 1,563,592 | 1,589,456 | 1,944,998 |
| Meat animals                  | 609,392   | 707,214   | 570,070   | 558,844   | 701,687   |
| Cattle and calves             | 279,970   | 351,434   | 277,443   | 252,670   | 293,436   |
| Hogs                          | 321,508   | 346,097   | 280,903   | 297,782   | 397,788   |
| Sheep and lambs               | 7,914     | 9,683     | 11,724    | 8,392     | 10,463    |
| Dairy products                | 625,110   | 596,050   | 596,505   | 598,670   | 651,000   |
| Milk, wholesale               | 625,110   | 596,050   | 596,505   | 598,670   | 651,000   |
| Poultry/eggs                  | 284,308   | 321,570   | 373,068   | 407,621   | 565,337   |
| Broilers                      | 30,428    | 35,698    | 57,098    | 67,725    | 88,695    |
| Farm chickens                 | 2,652     | 1,996     | 544       | 485       | 390       |
| Chicken eggs                  | 170,296   | 203,423   | 229,052   | 252,973   | 358,694   |
| Turkeys                       | 58,102    | 58,638    | 63,504    | 67,340    | 97,662    |
| Other poultry                 | 22,830    | 21,815    | 22,870    | 19,098    | 19,896    |
| Miscellaneous livestock       | 34,654    | 26,763    | 23,949    | 24,321    | 26,974    |
| Honey                         | 752       | 1,307     | 1,106     | 1,147     | 1,646     |
| Other livestock               | 33,384    | 25,019    | 22,267    | 22,459    | 24,973    |
| Mink pelts                    | 1,612     | 1,547     | 1,971     | 1,997     | 3,611     |
| All other livestock           | 31,772    | 23,472    | 20,296    | 20,462    | 21,362    |
| Crops                         | 2,559,919 | 2,834,543 | 2,871,191 | 3,094,046 | 3,176,785 |
| Food grains                   | 181,530   | 145,873   | 202,811   | 295,836   | 210,940   |
| Wheat                         | 181,211   | 145,548   | 202,428   | 295,392   | 210,699   |
| Feed crops                    | 831,358   | 1,023,422 | 897,236   | 988,563   | 1,024,953 |
| Corn                          | 733,275   | 929,240   | 807,043   | 923,068   | 947,039   |
| Hay                           | 90,279    | 88,477    | 85,590    | 60,289    | 72,754    |
| Oats                          | 7,804     | 5,705     | 4,603     | 5,206     | 5,160     |
| Tobacco                       | 42,169    | 38,913    | 32,943    | 31,740    | 34,341    |
| Oil crops                     | 791,663   | 885,941   | 998,995   | 1,054,521 | 1,126,550 |
| Soybeans                      | 791,094   | 885,466   | 998,445   | 1,054,096 | 1,126,253 |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992      | 1993      | 1994      | 1995      | 1996      |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>       |           |           |           |           |           |
| Vegetables                    | 133,670   | 159,409   | 148,044   | 128,529   | 148,254   |
| Potatoes                      | 17,535    | 19,455    | 20,179    | 8,889     | 9,677     |
| Summer                        | 8,807     | 10,326    | 10,829    | NA        | NA        |
| Fall                          | 8,728     | 9,129     | 9,350     | 8,889     | 9,677     |
| Beans, snap, fresh            | 1,818     | 2,164     | 2,839     | 3,219     | 2,280     |
| Cabbage, fresh                | 2,965     | 6,544     | 4,586     | 4,694     | 7,524     |
| Cucumbers                     | 10,184    | 7,879     | 9,785     | 9,505     | 15,725    |
| Escarole                      | 1,305     | 2,622     | 3,542     | 2,610     | 3,480     |
| Lettuce                       | 6,875     | 6,541     | 4,655     | 4,029     | 4,767     |
| Romaine                       | 2,367     | 3,247     | 2,167     | 2,045     | 2,272     |
| Leaf                          | 4,508     | 3,294     | 2,488     | 1,984     | 2,495     |
| Onions                        | 1,831     | 2,462     | 1,751     | 1,378     | 1,336     |
| Peppers, green                | 1,683     | 3,155     | 3,422     | 4,437     | 3,318     |
| Tomatoes                      | 39,960    | 50,378    | 46,517    | 36,642    | 46,671    |
| Fresh                         | 13,995    | 29,535    | 21,777    | 15,904    | 22,397    |
| Processing                    | 25,965    | 20,843    | 24,740    | 20,738    | 24,274    |
| Miscellaneous vegetables      | 33,071    | 31,442    | 28,487    | 26,250    | 28,554    |
| Cantaloups                    | 869       | 1,061     | 1,098     | 1,263     | 858       |
| Fruits/nuts                   | 36,868    | 26,609    | 31,914    | 36,758    | 37,865    |
| Apples                        | 19,842    | 13,315    | 20,383    | 22,720    | 23,547    |
| Fresh                         | 17,965    | 11,552    | 19,091    | 21,057    | 22,060    |
| Processing                    | 1,877     | 1,763     | 1,292     | 1,663     | 1,487     |
| Grapes                        | 2,732     | 1,710     | 1,629     | 2,029     | 1,906     |
| Peaches                       | 2,812     | 2,450     | NA        | 2,442     | 3,280     |
| Strawberries                  | 7,140     | 4,736     | 4,880     | 4,200     | 3,204     |
| Other berries                 | 3,673     | 3,729     | 4,437     | 4,803     | 5,307     |
| Miscellaneous fruits and nuts | 669       | 669       | 585       | 564       | 621       |
| All other crops               | 542,661   | 554,376   | 559,248   | 558,099   | 593,882   |
| Maple products                | 1,590     | 2,228     | 2,340     | 1,872     | 2,565     |
| Other seeds                   | 419       | 337       | 216       | 216       | 227       |
| Other field crops             | 26,625    | 36,750    | 32,350    | 25,020    | 37,670    |
| Christmas trees               | 14,875    | 14,875    | 14,875    | 14,875    | 15,229    |
| Greenhouse/nursery            | 470,796   | 476,351   | 483,338   | 490,699   | 517,030   |
| Floriculture                  | 143,427   | 148,982   | 155,338   | 155,499   | 150,330   |
| Other greenhouse              | 327,369   | 327,369   | 328,000   | 335,200   | 366,700   |
| Mushrooms, agaricus           | 16,277    | 15,974    | 15,517    | 16,658    | 18,183    |
| <b>Oklahoma</b>               |           |           |           |           |           |
| All commodities               | 3,636,808 | 3,945,032 | 3,899,594 | 3,663,270 | 3,565,551 |
| Livestock and products        | 2,517,975 | 2,808,023 | 2,699,407 | 2,571,986 | 2,439,301 |
| Meat animals                  | 1,994,514 | 2,237,157 | 2,087,679 | 1,956,634 | 1,772,386 |
| Cattle and calves             | 1,944,819 | 2,168,875 | 1,984,502 | 1,758,556 | 1,446,470 |
| Hogs                          | 44,673    | 63,854    | 98,720    | 193,293   | 320,714   |
| Sheep and lambs               | 5,022     | 4,428     | 4,457     | 4,785     | 5,202     |
| Dairy products                | 166,455   | 166,562   | 167,580   | 168,350   | 195,622   |
| Milk, wholesale               | 166,455   | 166,562   | 167,580   | 168,350   | 195,622   |
| Poultry/eggs                  | 302,184   | 350,207   | 400,785   | 403,565   | 428,419   |
| Broilers                      | 203,878   | 239,688   | 303,582   | 302,709   | 328,950   |
| Farm chickens                 | 2,294     | 2,926     | 2,833     | 2,740     | 2,161     |
| Chicken eggs                  | 69,840    | 73,333    | 59,858    | 64,285    | 66,868    |
| Other poultry                 | 15,000    | 22,500    | 22,500    | 22,250    | 17,750    |
| Miscellaneous livestock       | 54,822    | 54,097    | 43,363    | 43,437    | 42,874    |
| Other livestock               | 52,600    | 52,700    | 41,900    | 42,220    | 42,000    |
| Crops                         | 1,118,833 | 1,137,009 | 1,200,187 | 1,091,284 | 1,126,250 |
| Food grains                   | 457,291   | 454,659   | 477,391   | 421,851   | 400,616   |
| Rye                           | 1,335     | 1,385     | 2,354     | 2,216     | 3,004     |
| Wheat                         | 455,956   | 453,274   | 475,037   | 419,635   | 397,612   |

See footnotes at end of table.

Continued—



**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992      | 1993      | 1994      | 1995      | 1996      |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>       |           |           |           |           |           |
| Feed crops                    | 132,970   | 136,976   | 143,067   | 147,891   | 231,077   |
| Corn                          | 31,529    | 36,146    | 36,818    | 41,258    | 66,783    |
| Hay                           | 66,267    | 66,194    | 75,269    | 65,280    | 101,993   |
| Sorghum grain                 | 33,717    | 33,289    | 29,580    | 40,589    | 61,628    |
| Cotton                        | 68,692    | 82,130    | 100,090   | 55,080    | 55,062    |
| Cotton lint, all              | 60,831    | 71,000    | 88,920    | 48,043    | 48,598    |
| Cottonseed                    | 7,861     | 11,130    | 11,170    | 7,037     | 6,464     |
| Oil crops                     | 108,203   | 98,234    | 126,576   | 100,728   | 103,920   |
| Peanuts                       | 76,522    | 61,198    | 80,910    | 59,086    | 58,563    |
| Soybeans                      | 31,397    | 36,723    | 45,317    | 41,178    | 45,068    |
| Vegetables                    | 41,113    | 47,296    | 47,066    | 48,122    | 44,929    |
| Miscellaneous vegetables      | 34,500    | 40,000    | 40,000    | 38,000    | 35,000    |
| Watermelons                   | 4,054     | 6,490     | 3,825     | 6,174     | 6,101     |
| Fruits/nuts                   | 16,289    | 17,494    | 21,418    | 32,015    | 7,125     |
| Peaches                       | 1,459     | 5,104     | 6,136     | 10,545    | NA        |
| Other berries                 | 4,650     | 4,800     | 5,600     | 5,600     | 5,600     |
| Pecans                        | 9,930     | 7,340     | 9,432     | 15,620    | 1,275     |
| Miscellaneous fruits and nuts | 250       | 250       | 250       | 250       | 250       |
| All other crops               | 294,275   | 300,220   | 284,579   | 285,597   | 283,521   |
| Other seeds                   | 5,000     | 7,000     | 1,950     | 3,000     | 850       |
| Other field crops             | 2,335     | 4,050     | 1,510     | 2,350     | 3,250     |
| Christmas trees               | NA        | NA        | NA        | 400       | 400       |
| Greenhouse/nursery            | 274,213   | 275,356   | 265,977   | 263,932   | 263,106   |
| Floriculture                  | 14,213    | 15,356    | 15,977    | 13,932    | 13,106    |
| Other greenhouse              | 260,000   | 260,000   | 250,000   | 250,000   | 250,000   |
| Mushrooms, agaricus           | 12,727    | 13,814    | 15,142    | NA        | NA        |
| <b>Oregon</b>                 |           |           |           |           |           |
| All commodities               | 2,466,535 | 2,564,135 | 2,645,457 | 2,708,574 | 2,976,542 |
| Livestock and products        | 766,090   | 747,394   | 721,079   | 659,973   | 656,530   |
| Meat animals                  | 386,868   | 400,765   | 367,979   | 322,802   | 283,013   |
| Cattle and calves             | 360,019   | 372,719   | 341,620   | 300,607   | 257,598   |
| Hogs                          | 11,882    | 12,925    | 10,200    | 9,599     | 8,361     |
| Sheep and lambs               | 14,967    | 15,121    | 16,159    | 12,596    | 17,054    |
| Dairy products                | 225,642   | 214,577   | 218,897   | 212,901   | 236,999   |
| Milk, retail                  | 12,767    | 12,977    | 14,651    | 14,651    | 16,744    |
| Milk, wholesale               | 212,875   | 201,600   | 204,246   | 198,250   | 220,255   |
| Poultry/eggs                  | 112,679   | 93,990    | 91,234    | 81,891    | 98,535    |
| Broilers                      | 37,440    | 33,418    | 33,325    | 33,760    | 40,470    |
| Chicken eggs                  | 43,790    | 44,306    | 46,197    | 36,336    | 45,633    |
| Other poultry                 | 13,518    | 12,193    | 11,452    | 11,547    | 12,156    |
| Miscellaneous livestock       | 40,901    | 38,062    | 42,969    | 42,379    | 37,983    |
| Honey                         | 1,478     | 1,989     | 1,690     | 2,109     | 2,985     |
| Wool                          | 1,321     | 863       | 1,246     | 1,930     | 1,010     |
| Other livestock               | 37,510    | 34,195    | 39,063    | 37,530    | 33,363    |
| Mink pelts                    | 4,682     | 4,725     | 7,030     | 6,899     | 6,700     |
| All other livestock           | 32,828    | 29,470    | 32,033    | 30,631    | 26,663    |
| Crops                         | 1,700,445 | 1,816,741 | 1,924,378 | 2,048,601 | 2,320,012 |
| Food grains                   | 173,330   | 185,510   | 204,477   | 280,897   | 294,182   |
| Wheat                         | 173,330   | 185,510   | 204,477   | 280,897   | 294,182   |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992    | 1993    | 1994    | 1995    | 1996      |
|-------------------------------|---------|---------|---------|---------|-----------|
| <i>Thousand dollars</i>       |         |         |         |         |           |
| Feed crops                    | 182,787 | 210,209 | 238,903 | 225,104 | 262,629   |
| Barley                        | 21,437  | 14,595  | 20,772  | 19,973  | 24,424    |
| Corn                          | 4,508   | 5,920   | 7,222   | 8,709   | 13,255    |
| Hay                           | 150,426 | 185,692 | 205,671 | 191,195 | 219,650   |
| Oats                          | 6,416   | 4,002   | 5,238   | 5,227   | 5,300     |
| Oil crops                     | 912     | 1,292   | 2,226   | 2,969   | 2,235     |
| Vegetables                    | 328,384 | 417,587 | 389,158 | 372,753 | 397,036   |
| Beans, dry                    | 2,713   | 3,408   | 4,237   | 4,668   | 4,137     |
| Potatoes                      | 91,350  | 121,733 | 128,520 | 133,496 | 163,838   |
| Fall                          | 13,279  | 22,070  | 23,284  | 28,715  | 26,414    |
| Other                         | 78,071  | 99,663  | 105,236 | 104,781 | 137,424   |
| Beans, snap                   | 24,762  | 22,975  | 24,877  | 26,171  | 24,943    |
| Carrots                       | 12,601  | 8,324   | 7,547   | 1,020   | 860       |
| Corn, sweet                   | 37,962  | 37,871  | 40,063  | 40,311  | 40,353    |
| Fresh                         | 6,100   | 5,591   | 4,435   | 4,939   | 3,510     |
| Processing                    | 31,862  | 32,280  | 35,628  | 35,372  | 36,843    |
| Onions                        | 87,895  | 149,115 | 105,132 | 82,582  | 69,241    |
| Storage                       | 65,540  | 118,410 | 72,271  | 56,898  | 46,201    |
| Storage-West                  | 22,355  | 30,705  | 32,861  | 25,684  | 23,040    |
| Peas, green                   | 8,472   | 12,345  | 12,664  | 15,923  | 8,408     |
| Miscellaneous vegetables      | 38,090  | 40,528  | 47,408  | 51,344  | 68,450    |
| Fruits/nuts                   | 254,507 | 219,098 | 234,811 | 238,934 | 260,543   |
| Apples                        | 20,181  | 19,324  | 21,221  | 17,801  | 17,027    |
| Fresh                         | 16,279  | 16,703  | 19,401  | 15,123  | 13,636    |
| Processing                    | 3,902   | 2,621   | 1,820   | 2,678   | 3,391     |
| Cherries                      | 47,520  | 30,775  | 29,015  | 23,903  | 35,476    |
| Sweet                         | 45,131  | 30,349  | 27,830  | 23,733  | 34,962    |
| Grapes                        | 9,717   | 9,840   | 9,126   | 13,300  | 15,300    |
| Peaches                       | 4,511   | 2,648   | 4,327   | 2,675   | 4,523     |
| Pears                         | 66,740  | 56,785  | 53,287  | 60,488  | 71,605    |
| Bartlett                      | 19,601  | 16,355  | 17,668  | 17,672  | 16,236    |
| Other                         | 47,139  | 40,430  | 35,619  | 42,816  | 55,369    |
| Plums and prunes              | 3,208   | 662     | 1,772   | 1,206   | 1,947     |
| Cranberries                   | 13,968  | 7,254   | 15,444  | 8,432   | 15,475    |
| Strawberries                  | 21,105  | 26,972  | 30,825  | 26,830  | 22,835    |
| Blueberries                   | 12,010  | 7,953   | 9,070   | 6,900   | 12,755    |
| Blackberry group              | 23,637  | 13,320  | 18,389  | 24,848  | 30,873    |
| Blackberries                  | 19,284  | 9,535   | 14,207  | 20,836  | 25,433    |
| Boysenberries                 | 4,028   | 3,429   | 3,853   | 3,750   | 5,193     |
| Other berries                 | 48      | 75      | 50      | 50      | 50        |
| Filberts                      | 15,180  | 25,826  | 17,514  | 35,424  | 16,235    |
| Miscellaneous fruits and nuts | 1,248   | 1,455   | 1,236   | 1,277   | 941       |
| All other crops               | 760,525 | 783,045 | 854,803 | 927,944 | 1,103,387 |
| Sugar beets                   | 14,617  | 14,917  | 15,869  | 15,877  | 16,270    |
| Alfalfa                       | 5,375   | 5,814   | 6,684   | 7,311   | 7,506     |
| Bentgrass                     | 12,062  | 10,074  | 9,552   | 12,149  | 13,868    |
| Bluegrass-Kentucky            | 11,013  | 12,762  | 11,770  | 11,938  | 15,718    |
| Crimson clover                | 4,104   | 2,323   | 2,477   | 2,933   | 4,315     |
| Fescue                        | 43,309  | 46,257  | 37,610  | 48,378  | 96,168    |
| Chewing                       | 6,849   | 4,380   | 4,700   | 3,747   | 5,362     |
| Hard                          | NA      | 1,704   | 2,740   | 1,158   | 750       |
| Red                           | 3,305   | 3,012   | 2,122   | 1,616   | 2,002     |
| Tall                          | 33,155  | 37,161  | 28,048  | 41,857  | 88,054    |
| Orchardgrass                  | 8,865   | 9,593   | 11,887  | 13,690  | 9,752     |
| Red clover                    | 7,088   | 4,904   | 3,692   | 5,230   | 6,053     |
| Ryegrass                      | 92,025  | 109,175 | 135,398 | 134,828 | 159,832   |
| Other seeds                   | 28,863  | 27,782  | 26,226  | 26,521  | 25,330    |
| Hops                          | 21,849  | 23,108  | 26,891  | 26,187  | 21,709    |
| Mint                          | 51,121  | 39,156  | 52,654  | 60,081  | 57,652    |
| Peppermint                    | 48,571  | 37,066  | 50,750  | 58,125  | 55,845    |
| Spearmint                     | 2,550   | 2,090   | 1,904   | 1,956   | 1,807     |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity      | 1992      | 1993      | 1994      | 1995      | 1996      |
|--------------------------|-----------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>  |           |           |           |           |           |
| Other field crops        | 19,038    | 24,988    | 21,323    | 24,424    | 32,153    |
| Christmas trees          | 70,733    | 71,574    | 75,289    | 85,517    | 89,710    |
| Greenhouse/nursery       | 345,056   | 352,459   | 385,000   | 419,000   | 441,503   |
| Floriculture             | 51,095    | 60,042    | 66,135    | 67,283    | 72,075    |
| Other greenhouse         | 293,961   | 292,417   | 318,865   | 351,717   | 369,428   |
| <b>Pennsylvania</b>      |           |           |           |           |           |
| All commodities          | 3,676,300 | 3,806,616 | 3,768,994 | 3,769,120 | 4,142,509 |
| Livestock and products   | 2,558,609 | 2,620,005 | 2,604,984 | 2,553,254 | 2,864,577 |
| Meat animals             | 565,605   | 664,524   | 590,067   | 491,706   | 512,468   |
| Cattle and calves        | 436,768   | 511,944   | 452,713   | 354,678   | 338,674   |
| Hogs                     | 124,213   | 147,123   | 131,426   | 132,023   | 167,872   |
| Sheep and lambs          | 4,624     | 5,457     | 5,928     | 5,005     | 5,922     |
| Dairy products           | 1,485,229 | 1,410,209 | 1,444,940 | 1,456,359 | 1,662,423 |
| Milk, retail             | 64,093    | 64,047    | 62,860    | 65,079    | 69,023    |
| Milk, wholesale          | 1,421,136 | 1,346,162 | 1,382,080 | 1,391,280 | 1,593,400 |
| Poultry/eggs             | 461,032   | 500,600   | 526,199   | 563,400   | 646,679   |
| Broilers                 | 183,142   | 183,145   | 199,828   | 203,345   | 245,175   |
| Farm chickens            | 6,086     | 6,464     | 3,300     | 2,871     | 3,090     |
| Chicken eggs             | 197,090   | 239,785   | 238,339   | 265,124   | 295,160   |
| Turkeys                  | 74,659    | 71,156    | 84,672    | 92,000    | 103,194   |
| Other poultry            | 55        | 50        | 60        | 60        | 60        |
| Miscellaneous livestock  | 46,743    | 44,672    | 43,778    | 41,789    | 43,007    |
| Aquaculture              | 4,314     | 4,482     | 5,417     | 5,147     | 5,219     |
| Other livestock          | 41,265    | 39,252    | 37,274    | 35,420    | 36,496    |
| Mink pelts               | 1,815     | 1,742     | 2,094     | 2,270     | 3,356     |
| All other livestock      | 39,450    | 37,510    | 35,180    | 33,150    | 33,140    |
| Crops                    | 1,117,691 | 1,186,611 | 1,164,010 | 1,215,866 | 1,277,932 |
| Food grains              | 27,410    | 22,743    | 24,833    | 37,950    | 41,867    |
| Wheat                    | 26,580    | 22,304    | 24,449    | 37,554    | 41,598    |
| Feed crops               | 232,795   | 286,150   | 271,293   | 328,799   | 356,237   |
| Barley                   | 6,640     | 7,449     | 6,247     | 7,417     | 9,875     |
| Corn                     | 119,120   | 170,293   | 144,010   | 217,911   | 221,548   |
| Hay                      | 98,718    | 102,795   | 117,943   | 98,139    | 115,909   |
| Oats                     | 8,317     | 5,613     | 3,093     | 5,332     | 8,905     |
| Tobacco                  | 27,233    | 24,413    | 21,392    | 11,340    | 22,420    |
| Oil crops                | 56,098    | 64,874    | 68,544    | 56,966    | 63,579    |
| Soybeans                 | 55,816    | 64,545    | 68,188    | 56,565    | 63,316    |
| Vegetables               | 98,154    | 97,674    | 97,968    | 86,773    | 95,249    |
| Potatoes                 | 28,992    | 32,303    | 30,538    | 28,266    | 29,696    |
| Beans, snap              | 3,447     | 3,377     | 4,125     | 4,059     | 2,685     |
| Corn, sweet              | 21,323    | 19,770    | 20,966    | 16,532    | 23,674    |
| Fresh                    | 20,572    | 18,814    | 19,972    | 15,756    | 22,653    |
| Tomatoes                 | 17,815    | 14,832    | 16,506    | 11,453    | 15,009    |
| Fresh                    | 15,065    | 13,223    | 14,440    | 8,547     | 12,870    |
| Processing               | 2,750     | 1,609     | 2,066     | 2,906     | 2,139     |
| Miscellaneous vegetables | 18,000    | 19,000    | 19,000    | 18,000    | 18,000    |
| Cantaloups               | 2,150     | 2,100     | 2,438     | 2,730     | 1,898     |
| Fruits/nuts              | 97,770    | 94,521    | 75,529    | 97,549    | 108,044   |
| Apples                   | 45,688    | 46,261    | 42,446    | 45,163    | 49,445    |
| Fresh                    | 19,680    | 20,794    | 20,552    | 23,120    | 25,538    |
| Processing               | 26,008    | 25,467    | 21,894    | 22,043    | 23,907    |

See footnotes at end of table.

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**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992      | 1993      | 1994      | 1995      | 1996      |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>       |           |           |           |           |           |
| Cherries                      | 3,299     | 3,513     | 4,041     | 2,221     | 3,267     |
| Sweet                         | 1,653     | 1,562     | 1,656     | 1,209     | 1,568     |
| Tart                          | 1,646     | 1,951     | 2,385     | 1,012     | 1,699     |
| Grapes                        | 14,652    | 11,365    | 14,557    | 10,768    | 16,614    |
| Peaches                       | 20,071    | 19,925    | NA        | 24,645    | 24,816    |
| Pears                         | 1,970     | 1,925     | 2,200     | 2,292     | 1,970     |
| Strawberries                  | 6,490     | 5,832     | 5,985     | 5,760     | 5,432     |
| Other berries                 | 2,800     | 2,700     | 2,800     | 3,000     | 3,000     |
| Miscellaneous fruits and nuts | 2,800     | 3,000     | 3,500     | 3,700     | 3,500     |
| All other crops               | 578,231   | 596,236   | 604,451   | 596,489   | 590,536   |
| Maple products                | 2,337     | 964       | 1,528     | 1,079     | 1,747     |
| Other seeds                   | 650       | 620       | 600       | 600       | 600       |
| Other field crops             | 2,700     | 2,600     | 3,000     | 3,000     | 3,000     |
| Greenhouse/nursery            | 304,926   | 315,885   | 313,315   | 314,680   | 318,004   |
| Floriculture                  | 104,926   | 105,885   | 108,315   | 114,680   | 118,004   |
| Other greenhouse              | 200,000   | 210,000   | 205,000   | 200,000   | 200,000   |
| Mushrooms, agaricus           | 261,669   | 266,056   | 272,432   | 265,090   | 254,600   |
| <b>Rhode Island</b>           |           |           |           |           |           |
| All commodities               | 74,758    | 79,118    | 80,422    | 79,243    | 82,867    |
| Livestock and products        | 13,786    | 12,535    | 12,087    | 9,156     | 11,294    |
| Meat animals                  | 1,641     | 1,697     | 1,526     | 1,155     | 2,103     |
| Cattle and calves             | 1,134     | 997       | 926       | 762       | 1,598     |
| Dairy products                | 4,554     | 4,370     | 4,368     | 4,334     | 4,805     |
| Milk, wholesale               | 4,554     | 4,370     | 4,368     | 4,334     | 4,805     |
| Poultry/eggs                  | 4,989     | 4,923     | 4,856     | 2,412     | 3,148     |
| Chicken eggs                  | 4,323     | 4,333     | 4,429     | 1,842     | 2,580     |
| Other poultry                 | 651       | 558       | 415       | 551       | 566       |
| Miscellaneous livestock       | 2,602     | 1,545     | 1,337     | 1,255     | 1,238     |
| Aquaculture                   | 239       | 239       | 51        | 83        | 83        |
| Other livestock               | 2,306     | 1,263     | 1,265     | 1,142     | 1,129     |
| Crops                         | 60,972    | 66,583    | 68,335    | 70,087    | 71,573    |
| Feed crops                    | 516       | 472       | 451       | 430       | 540       |
| Vegetables                    | 5,553     | 6,607     | 6,725     | 6,469     | 6,740     |
| Potatoes                      | 1,808     | 1,633     | 1,542     | 1,708     | 1,545     |
| Miscellaneous vegetables      | 2,528     | 3,000     | 2,950     | 3,060     | 3,245     |
| Fruits/nuts                   | 3,333     | 3,369     | 3,279     | 3,168     | 3,203     |
| Apples                        | 1,547     | 1,584     | 1,474     | 1,353     | 1,381     |
| Other berries                 | 1,374     | 1,375     | 1,400     | 1,400     | 1,400     |
| Miscellaneous fruits and nuts | 412       | 410       | 405       | 415       | 422       |
| All other crops               | 51,570    | 56,135    | 57,880    | 60,020    | 61,090    |
| Other field crops             | 9,445     | 9,820     | 9,930     | 10,080    | 10,140    |
| Christmas trees               | 875       | 940       | 950       | 940       | 950       |
| Greenhouse/nursery            | 41,250    | 45,375    | 47,000    | 49,000    | 50,000    |
| <b>South Carolina</b>         |           |           |           |           |           |
| All commodities               | 1,201,439 | 1,250,733 | 1,395,740 | 1,429,652 | 1,602,056 |
| Livestock and products        | 536,562   | 601,155   | 616,238   | 613,472   | 737,210   |
| Meat animals                  | 176,493   | 205,111   | 183,774   | 148,322   | 143,079   |
| Cattle and calves             | 112,583   | 132,957   | 123,414   | 91,697    | 74,588    |
| Hogs                          | 63,898    | 72,143    | 60,315    | 56,579    | 68,437    |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992    | 1993    | 1994    | 1995    | 1996    |
|-------------------------------|---------|---------|---------|---------|---------|
| <i>Thousand dollars</i>       |         |         |         |         |         |
| Dairy products                | 61,036  | 59,887  | 60,745  | 55,304  | 62,185  |
| Milk, retail                  | 2,344   | 2,377   | 1,651   | 1,019   | 1,060   |
| Milk, wholesale               | 58,692  | 57,510  | 59,094  | 54,285  | 61,125  |
| Poultry/eggs                  | 286,879 | 323,486 | 355,337 | 390,946 | 512,343 |
| Broilers                      | 136,317 | 169,752 | 206,080 | 234,738 | 306,657 |
| Farm chickens                 | 2,731   | 2,345   | 1,792   | 1,380   | 1,401   |
| Chicken eggs                  | 69,094  | 69,442  | 70,389  | 70,680  | 87,108  |
| Turkeys                       | 70,637  | 74,172  | 69,136  | 75,778  | 107,717 |
| Other poultry                 | 8,100   | 7,775   | 7,940   | 8,370   | 9,460   |
| Miscellaneous livestock       | 12,154  | 12,671  | 16,382  | 18,900  | 19,603  |
| Aquaculture                   | 799     | 616     | 1,974   | 1,770   | 3,223   |
| Other livestock               | 10,760  | 11,460  | 13,580  | 16,100  | 15,460  |
| Crops                         | 664,877 | 649,578 | 779,502 | 816,180 | 864,846 |
| Food grains                   | 40,688  | 30,455  | 52,265  | 39,281  | 58,629  |
| Wheat                         | 39,627  | 29,797  | 51,280  | 38,518  | 57,729  |
| Feed crops                    | 54,563  | 34,439  | 50,431  | 63,375  | 83,409  |
| Corn                          | 44,786  | 26,589  | 36,400  | 51,625  | 71,819  |
| Hay                           | 7,112   | 6,036   | 10,299  | 10,225  | 9,890   |
| Oats                          | 1,670   | 1,001   | 2,233   | 910     | 1,209   |
| Cotton                        | 74,561  | 63,370  | 127,427 | 131,782 | 157,690 |
| Cotton, Upland                | 69,933  | 58,600  | 120,642 | 125,235 | 148,134 |
| Cottonseed                    | 4,628   | 4,770   | 6,785   | 6,547   | 9,556   |
| Tobacco                       | 190,448 | 185,612 | 182,689 | 186,795 | 214,650 |
| Oil crops                     | 90,426  | 74,603  | 71,004  | 90,738  | 88,132  |
| Peanuts                       | 9,425   | 6,983   | 9,933   | 9,016   | 7,975   |
| Soybeans                      | 80,655  | 67,248  | 60,437  | 81,448  | 79,991  |
| Vegetables                    | 53,248  | 86,614  | 88,620  | 91,786  | 75,399  |
| Sweetpotatoes                 | 2,938   | 2,475   | 2,739   | 2,412   | 3,507   |
| Beans, snap, fresh            | 1,727   | 1,140   | 2,310   | 1,832   | 1,800   |
| Cucumbers                     | 6,052   | 10,777  | 10,431  | 9,334   | 8,472   |
| Fresh                         | 1,490   | 3,318   | 4,520   | 5,590   | 5,520   |
| Processing                    | 4,562   | 7,459   | 5,911   | 3,744   | 2,952   |
| Tomatoes, fresh               | 22,450  | 40,320  | 35,700  | 44,733  | 34,200  |
| Miscellaneous vegetables      | 15,562  | 27,320  | 32,490  | 28,220  | 23,200  |
| Watermelons                   | 4,343   | 4,200   | 4,800   | 5,235   | 4,180   |
| Fruits/nuts                   | 35,773  | 39,838  | 53,610  | 48,092  | 10,085  |
| Apples                        | 9,901   | 6,814   | 7,424   | 6,940   | 4,612   |
| Fresh                         | 7,364   | 4,774   | 5,534   | 5,200   | 2,603   |
| Processing                    | 2,537   | 2,040   | 1,890   | 1,740   | 2,009   |
| Peaches                       | 23,550  | 27,570  | 35,640  | 34,240  | 1,478   |
| Other berries                 | 1,104   | 1,700   | 2,000   | 2,300   | 1,900   |
| Pecans                        | 351     | 2,234   | 7,002   | 3,315   | 1,631   |
| Miscellaneous fruits and nuts | 344     | 811     | 1,050   | 1,000   | 40      |
| All other crops               | 125,170 | 134,647 | 153,456 | 164,331 | 176,852 |
| Other seeds                   | 1,169   | 2,000   | 2,500   | 2,600   | 2,700   |
| Other field crops             | 772     | 2,202   | 2,800   | 3,500   | 3,400   |
| Christmas trees               | 2,850   | 2,700   | 3,000   | 3,000   | 3,000   |
| Greenhouse/nursery            | 120,379 | 127,745 | 144,998 | 155,060 | 167,578 |
| Floriculture                  | 15,379  | 15,745  | 21,998  | 25,060  | 27,578  |
| Other greenhouse              | 105,000 | 112,000 | 123,000 | 130,000 | 140,000 |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992      | 1993      | 1994      | 1995      | 1996      |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>       |           |           |           |           |           |
| <b>South Dakota</b>           |           |           |           |           |           |
| All commodities               | 3,110,969 | 3,200,194 | 3,335,563 | 3,396,482 | 3,683,512 |
| Livestock and products        | 1,766,575 | 1,963,956 | 1,701,639 | 1,700,001 | 1,632,765 |
| Meat animals                  | 1,481,110 | 1,679,999 | 1,424,009 | 1,416,790 | 1,311,259 |
| Cattle and calves             | 1,102,265 | 1,290,897 | 1,076,792 | 1,067,088 | 945,528   |
| Hogs                          | 346,693   | 354,576   | 316,335   | 313,360   | 324,917   |
| Sheep and lambs               | 32,152    | 34,526    | 30,882    | 36,342    | 40,814    |
| Dairy products                | 210,816   | 207,174   | 201,728   | 195,875   | 211,700   |
| Milk, wholesale               | 210,816   | 207,174   | 201,728   | 195,875   | 211,700   |
| Poultry/eggs                  | 51,119    | 51,437    | 46,845    | 55,812    | 71,208    |
| Turkeys                       | 29,694    | 26,910    | 27,270    | 34,944    | 43,200    |
| Chicken eggs                  | 16,846    | 19,874    | 14,219    | 15,381    | 23,140    |
| Other poultry                 | 3,353     | 3,652     | 4,353     | 4,591     | 4,240     |
| Miscellaneous livestock       | 23,530    | 25,346    | 29,057    | 31,524    | 38,598    |
| Honey                         | 10,812    | 12,485    | 13,520    | 14,484    | 21,185    |
| Wool                          | 3,686     | 2,552     | 3,349     | 4,284     | 2,757     |
| Other livestock               | 9,032     | 10,309    | 12,188    | 12,756    | 14,656    |
| Mink pelts                    | 1,885     | 1,809     | 2,332     | 2,353     | 4,285     |
| All other livestock           | 7,147     | 8,500     | 9,856     | 10,403    | 10,371    |
| Crops                         | 1,344,394 | 1,236,238 | 1,633,924 | 1,696,481 | 2,050,747 |
| Food grains                   | 340,830   | 376,846   | 338,532   | 390,156   | 523,551   |
| Rye                           | 2,458     | 2,760     | 2,639     | 3,292     | 3,287     |
| Wheat                         | 338,372   | 374,086   | 335,893   | 386,864   | 520,264   |
| Feed crops                    | 588,265   | 529,119   | 650,439   | 648,756   | 780,615   |
| Barley                        | 31,209    | 21,695    | 20,550    | 19,202    | 15,807    |
| Corn                          | 418,417   | 330,254   | 465,331   | 502,772   | 635,461   |
| Hay                           | 93,022    | 136,639   | 123,937   | 95,590    | 96,249    |
| Oats                          | 26,554    | 20,942    | 20,809    | 13,579    | 16,133    |
| Sorghum grain                 | 19,063    | 19,589    | 19,812    | 17,613    | 16,965    |
| Oil crops                     | 371,437   | 287,432   | 540,809   | 591,084   | 679,026   |
| Flaxseed                      | 820       | 1,816     | 1,426     | 1,141     | 893       |
| Soybeans                      | 314,441   | 218,501   | 402,136   | 452,060   | 560,509   |
| Sunflower                     | 54,270    | 65,986    | 135,431   | 136,066   | 115,908   |
| Vegetables                    | 7,353     | 6,291     | 9,126     | 7,133     | 11,151    |
| Potatoes                      | 6,428     | 4,964     | 6,008     | 4,992     | 8,879     |
| Miscellaneous vegetables      | 925       | 1,327     | 3,118     | 2,141     | 2,272     |
| Fruits/nuts                   | 175       | 158       | 150       | 152       | 166       |
| Other berries                 | 56        | 68        | 52        | 50        | 55        |
| Miscellaneous fruits and nuts | 119       | 90        | 98        | 102       | 111       |
| All other crops               | 36,334    | 36,392    | 94,868    | 59,200    | 56,238    |
| Other seeds                   | 4,912     | 4,791     | 4,403     | 6,223     | 2,460     |
| Other field crops             | 17,835    | 17,551    | 75,925    | 38,147    | 38,208    |
| Greenhouse/nursery            | 13,551    | 14,050    | 14,540    | 14,830    | 15,570    |
| <b>Tennessee</b>              |           |           |           |           |           |
| All commodities               | 2,090,890 | 2,025,459 | 2,172,627 | 2,120,433 | 2,371,873 |
| Livestock and products        | 998,888   | 961,598   | 971,709   | 892,595   | 997,660   |
| Meat animals                  | 542,515   | 482,326   | 498,414   | 420,212   | 462,987   |
| Cattle and calves             | 440,709   | 378,894   | 420,529   | 329,545   | 355,971   |
| Hogs                          | 101,609   | 102,859   | 77,550    | 90,451    | 106,453   |
| Dairy products                | 260,820   | 250,240   | 247,390   | 239,430   | 253,590   |
| Milk, wholesale               | 260,820   | 250,240   | 247,390   | 239,430   | 253,590   |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992       | 1993       | 1994       | 1995       | 1996       |
|-------------------------------|------------|------------|------------|------------|------------|
| <i>Thousand dollars</i>       |            |            |            |            |            |
| Poultry/eggs                  | 166,228    | 199,793    | 196,987    | 203,756    | 252,133    |
| Broilers                      | 152,685    | 182,061    | 181,071    | 185,900    | 232,155    |
| Chicken eggs                  | 12,925     | 16,985     | 15,360     | 17,526     | 19,553     |
| Miscellaneous livestock       | 29,325     | 29,239     | 28,918     | 29,197     | 28,950     |
| Other livestock               | 27,900     | 27,900     | 27,900     | 27,900     | 27,900     |
| Crops                         | 1,092,002  | 1,063,861  | 1,200,918  | 1,227,838  | 1,374,213  |
| Food grains                   | 39,997     | 38,945     | 46,983     | 59,498     | 82,657     |
| Wheat                         | 39,997     | 38,945     | 46,983     | 59,498     | 82,657     |
| Feed crops                    | 143,901    | 137,908    | 138,769    | 172,653    | 228,140    |
| Corn                          | 114,448    | 108,288    | 109,333    | 135,074    | 188,040    |
| Hay                           | 22,217     | 22,494     | 23,630     | 33,174     | 35,917     |
| Sorghum grain                 | 7,236      | 7,126      | 5,806      | 4,405      | 4,183      |
| Cotton                        | 247,901    | 183,087    | 289,402    | 287,872    | 275,895    |
| Cotton lint, all              | 219,553    | 162,601    | 259,206    | 259,610    | 246,721    |
| Cottonseed                    | 28,348     | 20,486     | 30,196     | 28,262     | 29,174     |
| Tobacco                       | 246,389    | 266,089    | 247,968    | 205,439    | 218,810    |
| Oil crops                     | 184,317    | 190,939    | 214,600    | 224,033    | 272,953    |
| Soybeans                      | 184,098    | 190,903    | 214,591    | 224,033    | 272,953    |
| Vegetables                    | 47,738     | 53,726     | 65,208     | 58,464     | 62,416     |
| Beans, snap, fresh            | 6,733      | 8,359      | 11,583     | 8,877      | 10,505     |
| Tomatoes                      | 15,120     | 19,008     | 24,219     | 17,199     | 17,544     |
| Miscellaneous vegetables      | 24,269     | 24,814     | 26,363     | 29,813     | 30,814     |
| Fruits/nuts                   | 10,049     | 10,430     | 7,468      | 9,595      | 9,281      |
| Apples                        | 2,184      | 2,557      | 1,759      | 2,705      | 2,305      |
| Peaches                       | 1,451      | 2,888      | 646        | 1,841      | 270        |
| Other berries                 | 5,731      | 4,238      | 3,948      | 3,948      | 6,181      |
| Miscellaneous fruits and nuts | 538        | 687        | 876        | 994        | 525        |
| All other crops               | 171,710    | 182,737    | 190,520    | 210,284    | 224,061    |
| Other seeds                   | 239        | 209        | 236        | 236        | 296        |
| Other field crops             | 5,585      | 5,510      | 5,732      | 8,938      | 6,917      |
| Greenhouse/nursery            | 144,754    | 154,239    | 157,729    | 171,545    | 187,182    |
| Floriculture                  | 27,254     | 30,396     | 31,629     | 34,545     | 35,030     |
| Other greenhouse              | 117,500    | 123,843    | 126,100    | 137,000    | 152,152    |
| <b>Texas</b>                  |            |            |            |            |            |
| All commodities               | 11,466,709 | 12,730,745 | 12,932,250 | 13,108,475 | 13,053,234 |
| Livestock and products        | 7,522,441  | 8,211,274  | 8,112,253  | 8,450,784  | 7,758,029  |
| Meat animals                  | 5,792,846  | 6,345,962  | 6,022,962  | 6,439,126  | 5,499,461  |
| Cattle and calves             | 5,644,620  | 6,188,563  | 5,882,207  | 6,295,596  | 5,331,297  |
| Hogs                          | 78,508     | 89,367     | 76,838     | 79,448     | 93,663     |
| Sheep and lambs               | 69,718     | 68,032     | 63,917     | 64,082     | 74,501     |
| Dairy products                | 760,213    | 780,710    | 830,800    | 791,570    | 920,798    |
| Milk, wholesale               | 760,213    | 780,710    | 830,800    | 791,570    | 920,798    |
| Poultry/eggs                  | 816,621    | 897,788    | 950,176    | 961,219    | 1,118,391  |
| Broilers                      | 553,784    | 608,700    | 659,453    | 646,316    | 726,264    |
| Farm chickens                 | 1,330      | 2,179      | 2,948      | 2,310      | 1,937      |
| Chicken eggs                  | 181,755    | 202,541    | 198,147    | 216,691    | 290,646    |
| Other poultry                 | 1,000      | 1,000      | 1,000      | 1,100      | 800        |
| Miscellaneous livestock       | 152,761    | 186,814    | 308,315    | 258,869    | 219,379    |
| Honey                         | 5,525      | 4,391      | 3,811      | 5,966      | 5,921      |
| Mohair                        | 12,354     | 11,197     | 30,602     | 20,940     | 14,606     |
| Wool                          | 16,896     | 11,050     | 15,582     | 15,488     | 8,316      |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992      | 1993      | 1994      | 1995      | 1996      |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>       |           |           |           |           |           |
| Aquaculture                   | 2,386     | 1,576     | 3,720     | 875       | 936       |
| Other livestock               | 115,600   | 158,600   | 254,600   | 215,600   | 189,600   |
| Crops                         | 3,944,268 | 4,519,471 | 4,819,997 | 4,657,691 | 5,295,205 |
| Food grains                   | 515,496   | 414,473   | 399,603   | 421,533   | 506,911   |
| Rice                          | 158,179   | 79,481    | 173,231   | 137,011   | 181,264   |
| Wheat                         | 356,748   | 334,258   | 225,344   | 283,661   | 325,032   |
| Feed crops                    | 1,038,829 | 977,250   | 1,084,490 | 1,220,131 | 1,412,217 |
| Corn                          | 475,806   | 447,698   | 610,281   | 711,240   | 684,348   |
| Hay                           | 130,211   | 130,016   | 133,340   | 120,186   | 165,559   |
| Oats                          | 4,190     | 7,438     | 6,251     | 3,262     | 3,789     |
| Sorghum grain                 | 428,299   | 391,514   | 334,084   | 384,977   | 557,745   |
| Cotton                        | 951,502   | 1,622,010 | 1,837,139 | 1,357,721 | 1,809,633 |
| Cotton lint, all              | 827,012   | 1,414,351 | 1,645,296 | 1,177,366 | 1,610,622 |
| Upland                        | 811,875   | 1,378,557 | 1,620,782 | 1,159,877 | 1,584,181 |
| Long staple                   | 15,137    | 35,794    | 24,514    | 17,489    | 26,441    |
| Cottonseed                    | 124,490   | 207,659   | 191,843   | 180,355   | 199,011   |
| Oil crops                     | 247,063   | 194,439   | 202,927   | 198,179   | 221,798   |
| Peanuts                       | 182,960   | 162,852   | 172,587   | 155,131   | 170,872   |
| Soybeans                      | 58,045    | 26,210    | 26,454    | 38,438    | 46,290    |
| Sunflower                     | 5,961     | 5,122     | 3,777     | 4,545     | 4,505     |
| Vegetables                    | 351,004   | 407,675   | 394,837   | 452,034   | 348,106   |
| Beans, dry                    | 6,275     | 8,529     | 6,494     | 3,464     | 2,816     |
| Potatoes                      | 30,839    | 30,433    | 34,293    | 27,464    | 23,439    |
| Summer                        | 24,484    | 19,807    | 23,950    | 19,605    | 15,791    |
| Sweetpotatoes                 | 10,560    | 17,074    | 11,558    | 8,569     | 16,147    |
| Cabbage                       | 44,496    | 46,851    | 30,666    | 54,570    | 40,330    |
| Carrots                       | 13,799    | 13,718    | 12,839    | 18,303    | 20,720    |
| Celery                        | 5,363     | 12,463    | 6,916     | 8,280     | 4,745     |
| Corn, sweet                   | 2,608     | 3,150     | 1,555     | 2,720     | 1,120     |
| Cucumbers                     | 18,522    | 14,296    | 19,938    | 15,105    | 12,236    |
| Fresh                         | 4,444     | 2,736     | 3,630     | 2,518     | 1,512     |
| Processing                    | 14,078    | 11,560    | 16,308    | 12,587    | 10,724    |
| Onions                        | 64,921    | 90,306    | 64,813    | 83,821    | 50,930    |
| Spring                        | 55,301    | 72,522    | 50,333    | 72,250    | 39,010    |
| Summer, nonstorage            | 9,620     | 17,784    | 14,480    | 11,571    | 11,920    |
| Peppers, green                | 34,853    | 23,200    | 29,753    | 30,215    | 22,604    |
| Spinach                       | 11,693    | 11,428    | 10,608    | 11,572    | 9,803     |
| Fresh                         | 6,688     | 5,376     | 4,649     | 5,944     | 3,758     |
| Processing                    | 5,005     | 6,052     | 5,959     | 5,628     | 6,045     |
| Tomatoes, fresh               | 2,191     | 4,810     | 4,277     | 8,064     | 7,722     |
| Miscellaneous vegetables      | 4,732     | 17,247    | 22,918    | 27,320    | 23,916    |
| Cantaloups                    | 32,895    | 37,306    | 52,348    | 54,659    | 47,124    |
| Honeydews                     | 17,856    | 17,888    | 14,760    | 21,156    | 12,352    |
| Watermelons                   | 35,964    | 50,400    | 60,060    | 67,165    | 48,136    |
| Fruits/nuts                   | 102,720   | 83,489    | 74,019    | 105,129   | 67,288    |
| Grapefruit                    | 2,331     | 17,835    | 13,486    | 19,438    | 20,097    |
| Fresh pink seedless           | 2,304     | 16,307    | 11,509    | 17,051    | 18,351    |
| Processing pink seedless      | 27        | 1,528     | 1,977     | 2,387     | 1,746     |
| Oranges                       | 1,697     | 4,904     | 3,151     | 8,541     | 7,088     |
| Naval, fresh early and mid    | 1,548     | 4,213     | 2,479     | 6,519     | 5,935     |
| Peaches                       | 7,696     | 8,136     | 5,811     | 6,480     | 3,848     |
| Pecans                        | 87,300    | 48,000    | 48,800    | 68,110    | 29,000    |
| Miscellaneous fruits and nuts | 3,696     | 4,614     | 2,771     | 2,560     | 7,255     |
| All other crops               | 737,654   | 820,135   | 826,982   | 902,964   | 929,252   |
| Sugar beets                   | 28,911    | 25,513    | 18,290    | 12,812    | 8,833     |
| Cane for sugar                | 33,731    | 37,126    | 40,544    | 36,282    | 24,472    |
| Sorghum Sudan crosses         | 4,000     | 3,000     | 5,000     | 4,000     | 5,000     |
| Other seeds                   | 21        | 88        | 97        | 75        | 56        |
| Other field crops             | 2,350     | 1,333     | 853       | 587       | 382       |

See footnotes at end of table.

Continued—



**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992    | 1993    | 1994    | 1995    | 1996    |
|-------------------------------|---------|---------|---------|---------|---------|
| <i>Thousand dollars</i>       |         |         |         |         |         |
| Christmas trees               | 9,000   | 16,000  | 10,000  | 21,000  | 16,000  |
| Greenhouse/nursery            | 628,000 | 707,000 | 721,000 | 792,000 | 838,000 |
| Floriculture                  | 157,656 | 181,171 | 174,733 | 179,934 | 183,852 |
| Other greenhouse              | 470,344 | 525,829 | 546,267 | 612,066 | 654,148 |
| <b>Utah</b>                   |         |         |         |         |         |
| All commodities               | 766,137 | 831,397 | 826,950 | 812,019 | 873,143 |
| Livestock and products        | 572,604 | 613,708 | 597,101 | 591,331 | 646,139 |
| Meat animals                  | 288,294 | 324,755 | 301,793 | 289,677 | 283,824 |
| Cattle and calves             | 268,701 | 301,883 | 280,846 | 261,437 | 244,193 |
| Hogs                          | 4,435   | 5,654   | 4,752   | 5,629   | 18,014  |
| Sheep and lambs               | 15,158  | 17,218  | 16,195  | 22,611  | 21,617  |
| Dairy products                | 169,532 | 165,065 | 181,930 | 181,837 | 219,475 |
| Milk, retail                  | 13,814  | 12,726  | 13,786  | 12,074  | 13,395  |
| Milk, wholesale               | 155,718 | 152,339 | 168,144 | 169,763 | 206,080 |
| Poultry/eggs                  | 63,824  | 70,566  | 59,531  | 69,268  | 73,536  |
| Chicken eggs                  | 21,774  | 23,655  | 18,453  | 20,135  | 21,885  |
| Other poultry                 | 610     | 720     | 834     | 7,867   | 10,570  |
| Miscellaneous livestock       | 50,954  | 53,322  | 53,847  | 50,549  | 69,304  |
| Honey                         | 1,527   | 1,224   | 1,345   | 686     | 1,329   |
| Wool                          | 3,414   | 2,240   | 2,690   | 3,535   | 2,009   |
| Other livestock               | 42,931  | 46,878  | 47,464  | 42,732  | 63,477  |
| Mink pelts                    | 16,145  | 15,494  | 20,460  | 17,490  | 30,267  |
| All other livestock           | 26,786  | 31,384  | 27,004  | 25,242  | 33,210  |
| Crops                         | 193,533 | 217,689 | 229,849 | 220,688 | 227,004 |
| Food grains                   | 20,596  | 21,585  | 25,249  | 32,475  | 38,060  |
| Wheat                         | 20,596  | 21,585  | 25,249  | 32,475  | 38,060  |
| Feed crops                    | 80,691  | 104,543 | 112,813 | 110,663 | 108,210 |
| Barley                        | 15,009  | 18,247  | 14,364  | 19,366  | 22,691  |
| Corn                          | 5,822   | 5,510   | 5,796   | 5,696   | 6,682   |
| Hay                           | 59,239  | 79,745  | 91,870  | 85,008  | 78,119  |
| Oil crops                     | 714     | 1,108   | 1,421   | 1,581   | 1,397   |
| Vegetables                    | 35,263  | 35,338  | 31,913  | 23,089  | 23,462  |
| Potatoes                      | 8,376   | 8,254   | 8,203   | 6,933   | 6,614   |
| Onions                        | 7,670   | 9,914   | 6,714   | 5,634   | 6,150   |
| Miscellaneous vegetables      | 17,063  | 14,643  | 14,447  | 10,036  | 10,200  |
| Fruits/nuts                   | 15,854  | 11,085  | 12,275  | 8,975   | 14,315  |
| Apples                        | 7,094   | 6,117   | 5,268   | 3,726   | 5,977   |
| Fresh                         | 6,252   | 5,517   | 4,655   | 3,016   | 5,363   |
| Cherries                      | 5,909   | 2,109   | 4,296   | 2,270   | 4,884   |
| Sweet                         | 1,709   | 1,149   | 2,030   | 1,646   | 2,490   |
| Tart                          | 4,200   | 960     | 2,266   | 624     | 2,394   |
| Peaches                       | 1,364   | 1,392   | 1,518   | 1,550   | 1,584   |
| Other berries                 | 348     | 471     | 343     | 675     | 743     |
| Miscellaneous fruits and nuts | 349     | 310     | 296     | 294     | 292     |
| All other crops               | 40,415  | 44,030  | 46,178  | 43,905  | 41,560  |
| Other seeds                   | 1,442   | 1,302   | 1,252   | 1,277   | 1,675   |
| Other field crops             | 669     | 640     | 387     | 490     | 481     |
| Christmas trees               | 134     | 137     | 140     | 143     | 146     |
| Greenhouse/nursery            | 32,754  | 35,546  | 36,842  | 34,983  | 32,378  |
| Floriculture                  | 20,707  | 23,499  | 24,795  | 28,305  | 25,333  |
| Other greenhouse              | 12,047  | 12,047  | 12,047  | 6,678   | 7,045   |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992      | 1993      | 1994      | 1995      | 1996      |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>       |           |           |           |           |           |
| <b>Vermont</b>                |           |           |           |           |           |
| All commodities               | 479,687   | 487,593   | 475,879   | 470,232   | 534,666   |
| Livestock and products        | 386,428   | 402,232   | 390,081   | 380,358   | 437,057   |
| Meat animals                  | 34,398    | 60,007    | 50,219    | 40,816    | 35,413    |
| Cattle and calves             | 32,346    | 58,002    | 48,670    | 39,527    | 34,305    |
| Dairy products                | 343,198   | 332,850   | 331,262   | 331,204   | 392,688   |
| Milk, retail                  | 1,786     | 1,870     | 1,870     | 1,870     | 1,926     |
| Milk, wholesale               | 341,412   | 330,980   | 329,392   | 329,334   | 390,762   |
| Poultry/eggs                  | 3,555     | 3,995     | 2,611     | 2,204     | 2,647     |
| Chicken eggs                  | 2,532     | 2,600     | 1,655     | 1,190     | 1,733     |
| Other poultry                 | 639       | 820       | 277       | 278       | 282       |
| Miscellaneous livestock       | 5,277     | 5,380     | 5,989     | 6,134     | 6,309     |
| Aquaculture                   | 331       | 331       | 300       | 324       | 324       |
| Other livestock               | 4,595     | 4,620     | 5,265     | 5,446     | 5,563     |
| Crops                         | 93,259    | 85,361    | 85,798    | 89,874    | 97,609    |
| Feed crops                    | 16,311    | 14,794    | 12,347    | 12,079    | 11,164    |
| Hay                           | 16,311    | 14,794    | 12,347    | 12,079    | 11,164    |
| Vegetables                    | 9,874     | 9,797     | 11,200    | 12,300    | 13,500    |
| Miscellaneous vegetables      | 8,363     | 7,808     | 9,484     | 10,800    | 11,316    |
| Fruits/nuts                   | 10,398    | 9,560     | 8,607     | 9,791     | 10,153    |
| Apples                        | 7,043     | 5,504     | 6,165     | 7,043     | 7,098     |
| Fresh                         | 6,180     | 4,908     | 5,639     | 6,383     | 6,344     |
| Other berries                 | 3,297     | 4,000     | 2,400     | 2,700     | 3,000     |
| Miscellaneous fruits and nuts | 58        | 56        | 42        | 48        | 55        |
| All other crops               | 56,676    | 51,210    | 53,644    | 55,704    | 62,792    |
| Maple products                | 12,711    | 7,440     | 10,397    | 10,147    | 14,575    |
| Other field crops             | 5,365     | 3,170     | 3,647     | 3,557     | 4,757     |
| Christmas trees               | 13,600    | 13,600    | 11,600    | 12,000    | 12,460    |
| Greenhouse/nursery            | 25,000    | 27,000    | 28,000    | 30,000    | 31,000    |
| <b>Virginia</b>               |           |           |           |           |           |
| All commodities               | 2,144,054 | 2,122,461 | 2,194,166 | 2,230,400 | 2,378,146 |
| Livestock and products        | 1,354,561 | 1,415,072 | 1,409,431 | 1,392,851 | 1,477,983 |
| Meat animals                  | 416,814   | 424,696   | 370,104   | 321,069   | 297,881   |
| Cattle and calves             | 336,371   | 339,302   | 292,424   | 252,371   | 211,294   |
| Hogs                          | 74,036    | 78,838    | 72,220    | 63,341    | 81,410    |
| Sheep and lambs               | 6,407     | 6,556     | 5,460     | 5,357     | 5,177     |
| Dairy products                | 291,888   | 276,500   | 272,272   | 266,340   | 289,980   |
| Milk, wholesale               | 291,888   | 276,500   | 272,272   | 266,340   | 289,980   |
| Poultry/eggs                  | 555,473   | 618,058   | 664,131   | 695,148   | 773,829   |
| Broilers                      | 330,145   | 370,986   | 397,880   | 400,828   | 466,388   |
| Farm chickens                 | 2,497     | 2,273     | 2,321     | 1,669     | 1,716     |
| Chicken eggs                  | 63,252    | 65,437    | 69,325    | 68,318    | 75,366    |
| Turkeys                       | 137,879   | 157,080   | 171,864   | 198,810   | 204,250   |
| Other poultry                 | 21,700    | 22,282    | 22,741    | 25,523    | 26,109    |
| Miscellaneous livestock       | 90,386    | 95,818    | 102,924   | 110,294   | 116,293   |
| Aquaculture                   | 13,555    | 14,983    | 17,084    | 19,508    | 20,978    |
| Trout                         | 2,030     | 2,075     | 1,966     | 2,199     | 2,222     |
| Other aquaculture             | 11,525    | 12,908    | 15,118    | 17,309    | 18,756    |
| All other livestock           | 76,200    | 80,200    | 85,200    | 90,200    | 94,673    |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992      | 1993      | 1994      | 1995      | 1996      |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>       |           |           |           |           |           |
| Crops                         | 789,493   | 707,389   | 784,735   | 837,549   | 900,163   |
| Food grains                   | 45,757    | 39,091    | 44,061    | 65,516    | 69,692    |
| Wheat                         | 45,348    | 38,863    | 43,719    | 65,281    | 69,253    |
| Feed crops                    | 105,109   | 82,182    | 85,959    | 107,859   | 146,622   |
| Barley                        | 9,561     | 7,742     | 6,305     | 10,525    | 12,344    |
| Corn                          | 66,630    | 44,920    | 52,449    | 66,518    | 96,338    |
| Hay                           | 28,918    | 29,520    | 27,205    | 30,816    | 37,940    |
| Cotton                        | 7,722     | 9,365     | 25,700    | 42,072    | 57,575    |
| Cotton lint, all              | 6,986     | 8,464     | 23,564    | 38,952    | 52,929    |
| Tobacco                       | 189,667   | 180,807   | 168,590   | 174,906   | 187,793   |
| Oil crops                     | 161,586   | 131,189   | 160,622   | 141,704   | 154,599   |
| Peanuts                       | 81,476    | 53,580    | 80,075    | 61,928    | 58,981    |
| Soybeans                      | 79,982    | 77,506    | 80,491    | 79,750    | 95,600    |
| Vegetables                    | 104,230   | 85,520    | 113,683   | 110,119   | 73,948    |
| Potatoes                      | 16,799    | 19,504    | 19,373    | 21,362    | 20,187    |
| Beans, snap, fresh            | 3,300     | 3,213     | 5,869     | 5,789     | 4,182     |
| Cabbage, fresh                | 5,363     | 4,921     | 5,700     | 4,250     | 3,393     |
| Corn, sweet, fresh            | 2,548     | 1,625     | 2,397     | 1,328     | 1,411     |
| Cucumbers, fresh              | 15,184    | 4,390     | 9,127     | 9,480     | 7,800     |
| Peppers, green                | 2,842     | 3,430     | 4,914     | 6,595     | 1,764     |
| Spinach                       | 2,159     | 931       | 1,782     | 579       | 0         |
| Tomatoes, fresh               | 40,672    | 34,170    | 47,583    | 43,586    | 24,898    |
| Miscellaneous vegetables      | 13,230    | 9,261     | 14,553    | 14,000    | 8,400     |
| Fruits/nuts                   | 46,881    | 43,669    | 45,129    | 53,045    | 52,980    |
| Apples                        | 32,887    | 27,791    | 30,108    | 34,445    | 39,024    |
| Fresh                         | 13,072    | 10,516    | 13,542    | 16,987    | 21,947    |
| Processing                    | 19,815    | 17,275    | 16,566    | 17,458    | 17,077    |
| Peaches                       | 3,858     | 4,005     | 2,486     | 5,750     | 4,420     |
| Other berries                 | 1,882     | 2,014     | 2,070     | 2,150     | 1,613     |
| Miscellaneous fruits and nuts | 8,254     | 9,859     | 10,465    | 10,700    | 7,923     |
| All other crops               | 128,541   | 135,566   | 140,991   | 142,328   | 156,954   |
| Other field crops             | 1,331     | 1,452     | 1,512     | 1,511     | 1,579     |
| Christmas trees               | 9,982     | 10,381    | 10,481    | 10,500    | 11,025    |
| Greenhouse/nursery            | 117,181   | 123,642   | 128,906   | 130,287   | 144,317   |
| Floriculture                  | 44,387    | 47,820    | 51,670    | 52,287    | 61,067    |
| Other greenhouse              | 72,794    | 75,822    | 77,236    | 78,000    | 83,250    |
| <b>Washington</b>             |           |           |           |           |           |
| All commodities               | 4,361,522 | 4,665,592 | 4,768,676 | 5,214,525 | 5,680,980 |
| Livestock and products        | 1,474,301 | 1,564,675 | 1,625,527 | 1,583,421 | 1,664,390 |
| Meat animals                  | 607,681   | 706,231   | 700,064   | 652,353   | 626,399   |
| Cattle and calves             | 598,036   | 696,456   | 691,250   | 645,033   | 611,337   |
| Hogs                          | 6,912     | 5,966     | 5,410     | 4,532     | 10,979    |
| Sheep and lambs               | 2,733     | 3,809     | 3,404     | 2,788     | 4,083     |
| Dairy products                | 645,710   | 635,005   | 677,191   | 684,172   | 788,075   |
| Milk, retail                  | 49,730    | 50,140    | 57,191    | 56,112    | 55,535    |
| Milk, wholesale               | 595,980   | 584,865   | 620,000   | 628,060   | 732,540   |
| Poultry/eggs                  | 144,578   | 154,506   | 172,429   | 178,872   | 179,463   |
| Broilers                      | 58,374    | 61,200    | 70,140    | 68,138    | 74,480    |
| Chicken eggs                  | 68,948    | 74,628    | 83,403    | 93,241    | 89,961    |
| Other poultry                 | 16,982    | 18,419    | 18,612    | 17,234    | 14,798    |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992      | 1993      | 1994      | 1995      | 1996      |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>       |           |           |           |           |           |
| Miscellaneous livestock       | 76,332    | 68,933    | 75,843    | 68,024    | 70,453    |
| Honey                         | 2,042     | 1,647     | 2,009     | 2,018     | 2,942     |
| Aquaculture                   | 57,583    | 49,995    | 55,992    | 46,922    | 46,509    |
| Trout                         | 5,864     | 5,889     | 4,760     | 6,368     | 5,955     |
| Other aquaculture             | 51,719    | 44,106    | 51,232    | 40,554    | 40,554    |
| Other livestock               | 16,388    | 17,021    | 17,593    | 18,769    | 20,746    |
| Mink pelts                    | 3,373     | 3,237     | 3,502     | 3,587     | 5,576     |
| All other livestock           | 13,015    | 13,784    | 14,091    | 15,182    | 15,170    |
| Crops                         | 2,887,221 | 3,100,917 | 3,143,149 | 3,631,104 | 4,016,590 |
| Food grains                   | 436,442   | 481,296   | 520,899   | 706,986   | 774,530   |
| Wheat                         | 436,442   | 481,296   | 520,899   | 706,986   | 774,530   |
| Feed crops                    | 245,908   | 267,744   | 260,822   | 309,204   | 364,768   |
| Barley                        | 39,370    | 39,174    | 29,538    | 57,629    | 70,237    |
| Corn                          | 32,888    | 33,687    | 39,422    | 49,512    | 61,912    |
| Hay                           | 171,125   | 192,481   | 190,139   | 200,844   | 231,104   |
| Oats                          | 2,525     | 2,402     | 1,723     | 1,219     | 1,515     |
| Oil crops                     | 1,716     | 1,831     | 3,718     | 3,664     | 4,744     |
| Vegetables                    | 573,002   | 781,897   | 810,410   | 818,163   | 831,098   |
| Beans, dry                    | 16,220    | 17,384    | 20,155    | 19,354    | 18,444    |
| Peas, dry                     | 15,650    | 20,660    | 20,066    | 34,410    | 19,416    |
| Dry, edible                   | 13,760    | 16,934    | 15,781    | 26,640    | 16,006    |
| Wrinkled seed                 | 1,890     | 3,726     | 4,285     | 7,770     | 3,410     |
| Lentils (beans)               | 17,995    | 17,490    | 12,710    | 17,745    | 12,822    |
| Potatoes                      | 288,244   | 407,272   | 443,748   | 415,816   | 470,293   |
| Asparagus                     | 59,040    | 55,790    | 56,304    | 58,659    | 63,312    |
| Fresh                         | 28,644    | 25,806    | 24,304    | 25,179    | 30,552    |
| Processing                    | 30,396    | 29,984    | 32,000    | 33,480    | 32,760    |
| Carrots                       | 27,143    | 23,409    | 25,440    | 34,449    | 24,784    |
| Corn, sweet                   | 41,461    | 47,697    | 53,053    | 69,221    | 57,584    |
| Fresh                         | 3,931     | 4,998     | 4,234     | 5,220     | 5,850     |
| Processing                    | 37,530    | 42,699    | 48,819    | 64,001    | 51,734    |
| Lettuce                       | 4,061     | 3,188     | 3,432     | 4,586     | 2,200     |
| Onions                        | 29,886    | 108,785   | 62,702    | 52,059    | 55,792    |
| Summer, nonstorage            | 6,474     | 7,020     | 6,372     | 6,160     | 5,639     |
| Storage                       | 23,412    | 101,765   | 56,330    | 45,899    | 50,153    |
| Peas, green                   | 22,645    | 22,115    | 33,805    | 30,246    | 20,408    |
| Miscellaneous vegetables      | 43,960    | 49,720    | 67,850    | 70,010    | 75,750    |
| Fruits/nuts                   | 1,149,827 | 1,062,351 | 1,014,180 | 1,231,952 | 1,466,167 |
| Apples                        | 824,910   | 703,048   | 692,793   | 859,979   | 1,098,717 |
| Fresh                         | 720,426   | 635,222   | 635,751   | 769,067   | 983,871   |
| Processing                    | 104,484   | 67,826    | 57,042    | 90,912    | 114,846   |
| Apricots                      | 5,070     | 6,280     | 4,989     | 6,659     | 4,728     |
| Cherries                      | 77,711    | 97,009    | 91,157    | 107,899   | 121,255   |
| Sweet                         | 74,895    | 94,036    | 88,700    | 106,519   | 118,940   |
| Tart                          | 2,816     | 2,973     | 2,457     | 1,380     | 2,315     |
| Grapes                        | 66,747    | 89,929    | 57,600    | 73,676    | 57,744    |
| Peaches                       | 10,732    | 10,145    | 8,953     | 13,994    | 5,555     |
| Pears                         | 115,086   | 102,714   | 92,768    | 107,513   | 120,020   |
| Bartlett                      | 46,236    | 43,831    | 39,367    | 41,436    | 39,518    |
| Other                         | 68,850    | 58,883    | 53,401    | 66,077    | 80,502    |
| Plums and prunes              | 1,784     | 1,527     | 1,281     | 2,046     | 2,685     |
| Cranberries                   | 7,615     | 6,371     | 9,453     | 8,779     | 8,928     |
| Strawberries                  | 4,856     | 5,946     | 5,456     | 5,426     | 6,605     |
| Blueberries                   | 5,771     | 3,409     | 4,182     | 3,096     | 5,639     |
| Raspberries                   | 22,005    | 28,126    | 39,423    | 35,182    | 30,459    |
| Other berries                 | 1,076     | 1,030     | 845       | 676       | 748       |
| Miscellaneous fruits and nuts | 6,340     | 6,680     | 5,190     | 6,840     | 2,990     |
| All other crops               | 480,326   | 505,798   | 533,120   | 561,135   | 575,283   |
| Alfalfa                       | 10,560    | 11,400    | 10,735    | 10,005    | 11,748    |
| Bluegrass-Kentucky            | 11,303    | 15,729    | 12,864    | 13,694    | 17,457    |
| Other seeds                   | 2,784     | 2,940     | 3,456     | 2,387     | 4,158     |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992    | 1993    | 1994    | 1995    | 1996    |
|-------------------------------|---------|---------|---------|---------|---------|
| <i>Thousand dollars</i>       |         |         |         |         |         |
| Hops                          | 98,223  | 101,220 | 96,775  | 99,290  | 93,953  |
| Mint                          | 50,857  | 43,000  | 44,001  | 51,547  | 54,734  |
| Peppermint                    | 19,264  | 20,238  | 26,773  | 34,272  | 35,783  |
| Spearmint                     | 31,593  | 22,762  | 17,228  | 17,275  | 18,951  |
| Other field crops             | 51,000  | 52,500  | 55,000  | 62,000  | 68,000  |
| Christmas trees               | 37,000  | 42,000  | 42,000  | 42,000  | 45,000  |
| Greenhouse/nursery            | 204,575 | 220,090 | 240,000 | 245,792 | 246,452 |
| Floriculture                  | 71,182  | 68,765  | 68,496  | 73,187  | 71,452  |
| Other greenhouse              | 133,393 | 151,325 | 171,504 | 172,605 | 175,000 |
| <b>West Virginia</b>          |         |         |         |         |         |
| All commodities               | 328,415 | 397,035 | 401,884 | 390,940 | 388,170 |
| Livestock and products        | 249,480 | 321,759 | 330,978 | 311,981 | 308,191 |
| Meat animals                  | 107,591 | 127,615 | 97,970  | 76,390  | 55,683  |
| Cattle and calves             | 99,398  | 119,988 | 90,807  | 69,269  | 48,459  |
| Hogs                          | 5,554   | 4,886   | 4,260   | 3,516   | 3,535   |
| Sheep and lambs               | 2,639   | 2,741   | 2,903   | 3,605   | 3,689   |
| Dairy products                | 36,448  | 35,370  | 36,046  | 34,190  | 37,848  |
| Milk, wholesale               | 36,448  | 35,370  | 36,046  | 34,190  | 37,848  |
| Poultry/eggs                  | 98,980  | 152,338 | 190,971 | 195,753 | 208,765 |
| Broilers                      | 55,780  | 99,891  | 128,774 | 131,052 | 148,013 |
| Chicken eggs                  | 13,433  | 19,524  | 23,958  | 23,502  | 22,610  |
| Turkeys                       | 29,290  | 32,164  | 37,498  | 40,608  | 37,620  |
| Other poultry                 | 7       | 7       | 7       | 8       | 9       |
| Miscellaneous livestock       | 6,461   | 6,436   | 5,991   | 5,648   | 5,895   |
| All other livestock           | 5,225   | 5,475   | 4,750   | 4,720   | 4,760   |
| Crops                         | 78,935  | 75,276  | 70,906  | 78,959  | 79,979  |
| Food grains                   | 1,560   | 1,390   | 1,534   | 2,204   | 2,072   |
| Wheat                         | 1,560   | 1,390   | 1,534   | 2,204   | 2,072   |
| Feed crops                    | 17,861  | 20,553  | 18,533  | 21,316  | 25,662  |
| Corn                          | 6,887   | 8,472   | 7,213   | 8,275   | 10,852  |
| Hay                           | 10,547  | 11,807  | 11,025  | 12,799  | 14,620  |
| Tobacco                       | 6,529   | 6,480   | 6,529   | 5,749   | 3,775   |
| Oil crops                     | 6       | NA      | NA      | NA      | NA      |
| Vegetables                    | 5,800   | 6,300   | 6,000   | 5,800   | 5,600   |
| Miscellaneous vegetables      | 5,800   | 6,300   | 6,000   | 5,800   | 5,600   |
| Fruits/nuts                   | 28,130  | 25,532  | 20,595  | 25,877  | 24,355  |
| Apples                        | 18,303  | 15,952  | 13,975  | 16,057  | 13,019  |
| Fresh                         | 6,343   | 6,418   | 6,221   | 8,076   | 5,401   |
| Processing                    | 11,960  | 9,534   | 7,754   | 7,981   | 7,618   |
| Peaches                       | 2,843   | 2,442   | NA      | 3,700   | 5,726   |
| Other berries                 | 225     | 235     | 240     | 240     | 220     |
| Miscellaneous fruits and nuts | 6,759   | 6,903   | 6,380   | 5,880   | 5,390   |
| All other crops               | 19,049  | 15,021  | 17,715  | 18,013  | 18,515  |
| Other field crops             | 2,480   | 2,000   | 4,500   | 4,600   | 5,000   |
| Greenhouse/nursery            | 16,500  | 13,000  | 13,200  | 13,400  | 13,500  |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992      | 1993      | 1994      | 1995      | 1996      |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|
| <i>Thousand dollars</i>       |           |           |           |           |           |
| <b>Wisconsin</b>              |           |           |           |           |           |
| All commodities               | 5,669,899 | 5,402,559 | 5,381,935 | 5,673,705 | 6,061,542 |
| Livestock and products        | 4,280,066 | 4,108,241 | 3,961,530 | 3,948,969 | 4,288,078 |
| Meat animals                  | 973,957   | 975,236   | 860,438   | 789,006   | 739,130   |
| Cattle and calves             | 767,583   | 737,547   | 653,558   | 611,214   | 543,626   |
| Hogs                          | 201,124   | 232,178   | 201,681   | 171,847   | 190,001   |
| Sheep and lambs               | 5,250     | 5,511     | 5,199     | 5,945     | 5,503     |
| Dairy products                | 3,097,803 | 2,906,048 | 2,873,682 | 2,915,917 | 3,261,815 |
| Milk, wholesale               | 3,097,189 | 2,905,406 | 2,872,998 | 2,915,233 | 3,261,815 |
| Poultry/eggs                  | 174,189   | 185,693   | 185,230   | 197,828   | 218,112   |
| Broilers                      | 22,770    | 26,208    | 24,690    | 34,941    | 57,874    |
| Chicken eggs                  | 29,431    | 32,117    | 30,169    | 30,635    | 45,248    |
| Other poultry                 | 39,080    | 39,153    | 41,542    | 36,772    | 42,722    |
| Miscellaneous livestock       | 34,117    | 41,264    | 42,180    | 46,218    | 69,021    |
| Honey                         | 4,019     | 4,838     | 3,195     | 4,037     | 4,467     |
| Aquaculture                   | 1,548     | 1,838     | 1,269     | 1,950     | 1,821     |
| Other livestock               | 28,332    | 34,406    | 37,501    | 39,905    | 62,536    |
| Mink pelts                    | 17,286    | 16,771    | 19,471    | 20,163    | 35,896    |
| All other livestock           | 11,046    | 17,635    | 18,030    | 19,742    | 26,640    |
| Crops                         | 1,389,833 | 1,294,318 | 1,420,405 | 1,724,736 | 1,773,464 |
| Food grains                   | 11,074    | 13,183    | 25,461    | 33,963    | 28,560    |
| Wheat                         | 10,542    | 12,710    | 23,931    | 32,825    | 27,684    |
| Feed crops                    | 599,177   | 521,636   | 525,224   | 795,184   | 788,178   |
| Barley                        | 7,149     | 5,583     | 6,381     | 7,832     | 10,245    |
| Corn                          | 488,440   | 389,274   | 424,401   | 697,350   | 706,978   |
| Hay                           | 88,728    | 113,089   | 84,655    | 80,480    | 56,389    |
| Oats                          | 14,860    | 13,690    | 9,787     | 9,522     | 14,566    |
| Tobacco                       | 22,224    | 19,070    | 10,352    | 8,670     | 8,993     |
| Oil crops                     | 121,768   | 127,197   | 165,540   | 199,986   | 235,680   |
| Soybeans                      | 120,976   | 126,387   | 164,335   | 198,013   | 234,473   |
| Vegetables                    | 353,515   | 328,903   | 384,819   | 364,432   | 379,580   |
| Beans, dry                    | 4,943     | 5,707     | 5,424     | 4,396     | 3,849     |
| Potatoes                      | 109,399   | 120,116   | 131,802   | 138,554   | 153,580   |
| Beans, snap                   | 29,869    | 34,182    | 40,068    | 31,386    | 34,300    |
| Beets                         | 1,667     | 2,145     | 2,818     | 3,559     | 2,713     |
| Cabbage                       | 17,600    | 6,804     | 8,909     | 10,823    | 8,033     |
| Fresh                         | 14,252    | 5,772     | 5,119     | 7,350     | 5,392     |
| Processing                    | 3,348     | 1,032     | 3,790     | 3,473     | 2,641     |
| Carrots                       | 8,686     | 6,153     | 9,084     | 5,309     | 4,828     |
| Corn, sweet                   | 48,370    | 38,739    | 66,667    | 56,980    | 63,964    |
| Fresh                         | NA        | NA        | 4,158     | 6,828     | 8,850     |
| Processing                    | 48,370    | 38,739    | 62,509    | 50,152    | 55,114    |
| Cucumbers                     | 7,750     | 11,309    | 10,032    | 8,228     | 5,398     |
| Onions                        | 3,118     | 8,207     | 6,519     | 4,250     | 6,063     |
| Peas, green                   | 36,851    | 14,480    | 24,429    | 22,807    | 25,893    |
| Miscellaneous vegetables      | 84,087    | 79,923    | 77,400    | 76,074    | 69,633    |
| Fruits/nuts                   | 88,160    | 86,231    | 105,604   | 115,891   | 120,536   |
| Apples                        | 13,502    | 13,239    | 17,683    | 11,914    | 13,537    |
| Fresh                         | 12,758    | 12,728    | 17,136    | 11,508    | 12,985    |
| Cranberries                   | 68,715    | 67,592    | 81,124    | 97,581    | 100,812   |
| Strawberries                  | 4,158     | 4,560     | 5,246     | 5,170     | 4,312     |
| Other berries                 | 342       | 320       | 335       | 850       | 850       |
| Miscellaneous fruits and nuts | 110       | 90        | 90        | 84        | 80        |

See footnotes at end of table.

Continued—

**Appendix table—Cash receipts by commodity groups and selected commodities, United States and States, 1992-96<sup>1</sup>—Continued**

| State and commodity           | 1992    | 1993    | 1994    | 1995    | 1996    |
|-------------------------------|---------|---------|---------|---------|---------|
| <i>Thousand dollars</i>       |         |         |         |         |         |
| All other crops               | 193,915 | 198,098 | 203,405 | 206,610 | 211,937 |
| Maple products                | 2,496   | 2,079   | 2,730   | 2,489   | 2,497   |
| Other seeds                   | 450     | 251     | 182     | 156     | 156     |
| Mint                          | 4,604   | 3,756   | 6,130   | 7,598   | 5,866   |
| Peppermint                    | 1,701   | 1,509   | 2,968   | 4,200   | 3,437   |
| Spearmint                     | 2,903   | 2,247   | 3,162   | 3,398   | 2,429   |
| Other field crops             | 1,808   | 1,937   | 1,787   | 878     | 938     |
| Christmas trees               | 35,000  | 35,000  | 38,000  | 38,000  | 38,000  |
| Greenhouse/nursery            | 148,358 | 153,813 | 153,278 | 156,152 | 163,143 |
| Floriculture                  | 49,358  | 54,813  | 54,278  | 57,152  | 59,143  |
| Other greenhouse              | 99,000  | 99,000  | 99,000  | 99,000  | 104,000 |
| <b>Wyoming</b>                |         |         |         |         |         |
| All commodities               | 806,192 | 841,001 | 783,333 | 728,064 | 661,979 |
| Livestock and products        | 608,068 | 660,450 | 623,092 | 543,987 | 477,641 |
| Meat animals                  | 578,664 | 633,817 | 593,592 | 512,670 | 444,375 |
| Cattle and calves             | 542,764 | 592,656 | 559,202 | 461,699 | 394,748 |
| Hogs                          | 4,864   | 7,726   | 6,356   | 9,787   | 17,278  |
| Sheep and lambs               | 31,036  | 33,435  | 28,034  | 41,184  | 32,349  |
| Dairy products                | 12,375  | 11,867  | 11,624  | 8,880   | 10,813  |
| Milk, wholesale               | 12,375  | 11,867  | 11,624  | 8,880   | 10,813  |
| Poultry/eggs                  | 156     | 161     | 222     | 345     | 854     |
| Other poultry                 | 62      | 62      | 62      | 195     | 702     |
| Miscellaneous livestock       | 16,873  | 14,605  | 17,654  | 22,092  | 21,599  |
| Honey                         | 1,550   | 991     | 1,841   | 999     | 2,657   |
| Wool                          | 6,938   | 4,184   | 6,168   | 7,693   | 4,997   |
| Other livestock               | 8,385   | 9,430   | 9,645   | 13,400  | 13,945  |
| Crops                         | 198,124 | 180,551 | 160,241 | 184,077 | 184,338 |
| Food grains                   | 18,979  | 18,344  | 18,746  | 27,643  | 34,710  |
| Wheat                         | 18,979  | 18,344  | 18,746  | 27,643  | 34,710  |
| Feed crops                    | 90,136  | 86,793  | 79,258  | 87,151  | 88,866  |
| Barley                        | 17,598  | 23,609  | 18,878  | 22,291  | 30,072  |
| Corn                          | 9,886   | 7,634   | 9,737   | 12,608  | 15,270  |
| Hay                           | 61,682  | 54,185  | 49,679  | 50,843  | 41,617  |
| Oats                          | 970     | 1,365   | 964     | 1,409   | 1,907   |
| Oil crops                     | 229     | 233     | 238     | 244     | 201     |
| Vegetables                    | 25,472  | 20,356  | 16,584  | 17,972  | 18,462  |
| Beans, dry                    | 22,756  | 16,928  | 13,297  | 15,374  | 16,557  |
| Potatoes                      | 2,251   | 2,963   | 2,887   | 2,398   | 1,705   |
| Miscellaneous vegetables      | 465     | 465     | 400     | 200     | 200     |
| Fruits/nuts                   | 12      | 12      | 10      | 10      | 10      |
| Miscellaneous fruits and nuts | 12      | 12      | 10      | 10      | 10      |
| All other crops               | 63,296  | 54,813  | 45,405  | 51,057  | 42,089  |
| Sugar beets                   | 58,486  | 51,648  | 42,135  | 47,087  | 37,474  |
| Other seeds                   | 350     | 200     | 200     | 470     | 675     |
| Other field crops             | 160     | 165     | 170     | 500     | 840     |
| Greenhouse/nursery            | 4,300   | 2,800   | 2,900   | 3,000   | 3,100   |

NA = Not available.

<sup>1</sup>USDA estimates and publishes individual cash receipt values only for major commodities and major producing States. The U.S. receipts for individual commodities, computed as the sum of the reported States, may understate the value of sales for some commodities, with the balance included in the appropriate category labeled "other" or "miscellaneous." The degree of underestimation in some of the minor commodities can be substantial.

Source: Economic Research Service, U.S. Department of Agriculture.

**Appendix II**  
**Major Data Sources**  
**for the Value-Added/Farm**  
**Income and Balance Sheet Accounts**



The component items contained within the value added/farm income and balance sheet accounts are developed through analysis of numerous surveys and data provided by alternative sources.

## **Cash Receipts Accounts**

### ***Major Livestock Commodities***

***For the Major Producing States:*** After the close of the year, USDA's National Agricultural Statistics Service (NASS) publishes calendar year cash receipts and home consumption and we use those numbers. For the current year, we develop indexes to indicate direction and magnitude of changes in monthly sales quantities and multiply by NASS published monthly prices.

### ***Major Crop Commodities***

***For the Major Producing States:*** NASS publishes, for the crop marketing year, quantity and value of production, neither of which we can use directly. We have to make a number of adjustments to the NASS quantity produced.

- The quantity produced is reduced by the used-on-farm to avoid double counting the value added in livestock receipts.
- The Commodity Credit Corporation (CCC) is one of two channels for producers to sell their production, with the balance going through open-market channels.
- NASS publishes quantities for crop marketing years. The quantities to be sold through open market channels are distributed by months and aggregated to calendar year quantities.
- That portion of the harvest not sold by December 31 is accounted for within the calendar year through placement into inventories, where it is valued at the calendar year weighted average price to preclude the changes in price from January 1 to December 31.
- If calendar year sales exceed the harvest, representing a drawdown of inventories produced in an earlier year, the negative value of the inventory change serves to offset the value of these sales.

## ***Confidential Commodities and Producing States***

NASS omits some commodities and/or States from its publications due to concerns regarding disclosing information about individual operations. NASS provides these data to us under an agreement that we will maintain the confidentiality. These are incorporated into the accounts, are reflected in the aggregates, and are tracked throughout to preclude release via the several outlets by which clients access the information.

### ***Minor Commodities and Minor Producing States***

These estimates are developed in cooperating with the NASS State Offices, which get data from any and all available sources. With the number and diversification of the commodities, one cannot easily summarize the sources and data quality.

Most States use informed opinions as a major source of data for cash receipts from commodities in the unpublished report. Most of these States check the informed opinions with three major sources: State survey programs, producer associations, and the State's extension service. California is unique in that it relies heavily on surveys that are conducted by organizations other than NASS. Some States use NASS-conducted surveys for estimating cash receipts of important minor commodities.

### ***Incorporation of CCC Loan Statistics***

The placement of farm commodities with the CCC has historically been treated as equivalent to a sale. Even though commonly referred to as a loan, the agreement is a nonrecourse loan, meaning that it is the farmer's decision as to whether to reverse the transaction for the purpose of reclaiming the commodity or to let the government retain possession and ownership. Obviously, the farmer will reclaim the commodity only if an additional profit can be made by doing so, meaning that it can be sold at a higher price (or if the farmer can avoid purchasing grain for feed at a higher price).

## **Production Expenses Accounts**

Each year, ERS and NASS jointly conduct the Agricultural Resource Management Study (ARMS) in

two stages with surveys. Following the tabulation of the financial information, which is collected in the spring when farms have complete tax-year records, the Farm Production Expense Board meets in late June to establish production expense estimates for the Department of Agriculture. The Board established total expense levels for the 48 contiguous States and for each farm production region. In early July, NASS releases its annual Farm Production Expenditures report, which reports information as collected on the survey.

ERS releases official estimates of value-added farm income incorporating expense estimates established by the Board in the September issue of the *Agricultural Income and Finance Situation and Outlook Report*, in the subsequent issue of the *Farm Business Economics Report*, and on the ERS website ([www.econ.ag.gov/briefing/fbe/fi/fi.htm](http://www.econ.ag.gov/briefing/fbe/fi/fi.htm)).

ERS accounts are for the national farm sector, and estimates are expanded to include Hawaii and Alaska. ERS is also required to deliver preliminary and final value-added income estimates for the U.S. agricultural sector (and individual States), with detailed component accounts to the Bureau of Economic Analysis (BEA) of the U.S. Department of Commerce for use in developing estimates for gross domestic product, national income accounts, and regional income accounts.

For most components, ERS expense estimates are conceptually the same as those published by NASS, but there are exceptions when the estimates are more appropriate for sector or national income accounting. Two notable exceptions: The ERS **capital consumption** account is replacement cost and is based on a realistic or actual useful life and rate of consumption, rather than book value and tax-related depreciation

schedules. The ERS **interest expenses** are based on information collected from lenders, whereas the estimate published by NASS is that reported by farm operators. A significant portion of the debt, particularly that secured by farm real estate, is held by individuals and entities other than the onsite operator (landlords and partners, for example). All farmland is considered to be in the farm sector for purposes of sector and national income accounting.

## Balance Sheet

The many surveys conducted by NASS are the source of real estate asset values (value per acre of land and buildings, land in farms) and data needed to estimate value of crops stored, and livestock and poultry inventories. Information from the Census of Agriculture is used to develop building and dwelling ratios (used to estimate farm business real estate values for land and farm buildings), value of machinery and equipment, and financial assets.

ARMS is the source of data used to estimate individuals' and others' farm debt, value of machinery and equipment, and value of purchased inputs.

USDA's Agricultural Cooperative Service provides data regarding net worth of rural electric cooperatives and net worth of rural telephone cooperatives.

Farm debt owed is developed from information provided by lenders including the Farm Credit Administration, USDA's Farm Service Agency, and the American Council of Life Insurance. Commercial bank debt is developed from data provided by the Board of Governors of the Federal Reserve System, the Comptroller of the Currency, and the Federal Deposit Insurance Corporation.