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## 15500 **Financial Characteristics of** U.S. Farms, January 1, 1989 REAL

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Financial Characteristics of U.S. Farms, January 1, 1989. By Mitchell J. Morehart, James D. Johnson, and David E. Banker. Agriculture and Rural Economy Division, Economic Research Service, U.S. Department of Agriculture. Agriculture Information Bulletin No. 579.

#### Abstract

Despite the 1988 drought, the overall financial conditions of farmers and ranchers remained similar to those in 1987. On average, net farm income (profitability) and net cash farm income rose slightly, but fewer farms had positive incomes. More farms had no outstanding liabilities, and fewer farms had debt/asset ratios (solvency) above 0.40. This report provides a detailed analysis of farm financial perfromance based on the latest information from the Farm Costs and Returns Survey (FCRS).

Keywords: Assets, balance sheet, cash-flow, debt, economic class, Farm Costs and Returns Survey, financial stress, production specialty, region, financial characteristics

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Summary	<u>Page</u> iv
Introduction	1
Farm Income Net Farm Income Net Cash Farm Income	2 2 5
Farm Assets and Debt	6
Overall Farm Financial Performance Trends in Overall Farm Financial Performance Overall Farm Financial Performance in 1988 Combined Net Farm Income and Debt/Asset Ratio Position Combined Net Cash Farm Income and Debt/Asset Ratio Position	8 9 12 19
Financial Ratio Analysis Farms With Gross Sales Above \$40,000	20 25
Farm Operator Rates of Return Farm Business Returns on Assets Farm Business Returns on Equity	27 27 28
Lender Portfolio Perspective Debt Distribution by Lender Distribution of Operator Debt by Financial Position Debt Owed by Farms in a Vulnerable Position	
Appendix IAssessing Farm Financial Performance Income Measures Solvency Measures Income and Solvency Classifications Financial Ratio Analysis	35 37 37

#### Contents

Appendix IIFarm Numbers and Extension of Financial Performance Measures To Include All	
USDA Farm Numbers	43
Farm Numbers	43
Extension of Financial Performance Measures To Include USDA	
Farm Number Series	43
Appendix IIISurvey Design and Respondent	
Characteristics	48
Survey Design	48
Operating Characteristics	49
Selected Structural Characteristics of Survey Population	54
Sciected Structural Characteristics of Survey Population	54
Appendix IVFinancial Ratio Tables	63
Appendix VDistribution of Farms By Returns On Equity	69
Appendix VILender Distributions	74
Appendix VIIFarm Operator Combined Cash-Flow and	
Net Income Statements	76
Economic Class	78
Production Specialty	85
Region	95
Land Tenure	105
Occupational Specialty	112
Organizational Structure	115
Operator Age	119
Appendix VIIIFarm Operator Balance Sheets	124
Economic Class	126
Production Specialty	133
Region	143
Land Tenure	153
Occupational Specialty	160
Organizational Structure	163
Operator Age	167

#### Summary

Overall financial conditions of farms and ranches at the beginning of 1989 remained very similar to those of the previous year. In general, the trend continued toward improved economic performance as compared with the mid-1980's. Much of the progress in recent years can be attributed to efforts by farmers to reduce their debt loads, thus improving their solvency position. Lower debt also means less of a drain on farm income from debt service.

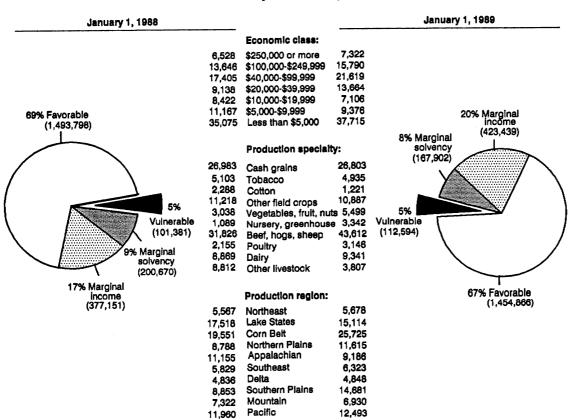
On average, net farm income increased by about \$350 (roughly 1.6 percent) to about \$21,300 in 1988. Increased earnings from crop and livestock sales provided higher gross farm incomes despite increased cash operating expenses. Even though average net farm income was higher, the percentage of farms with positive net incomes declined slightly from 1987. Seventy-five percent of farms had positive net farm income, down 3 percentage points from 1987 although remaining higher than the 69 percent estimated in 1986. All economic size groups had fewer profitable farms than in 1987. Tobacco, other field crop, cotton, and poultry operations had the highest share of operators with positive net income. Regions where more than three out of four farms were profitable (the U.S. average) included the Northeast, Northern Plains, Appalachian, Southeast, Delta, and Mountain.

The proportion of farms with debt/asset ratios above 0.40 dropped from 22 percent in 1986 to 15 percent in 1987, and fell again to 14 percent in 1988. This downward trend in the proportion of farms with relatively high debt levels reflects farmers' efforts to pay off existing debt or rely less on credit than in the earlier part of the 1980's. At the end of 1988, farm operators had average assets of \$359,600 and debt of \$48,200, resulting in a net worth of \$311,400. Comparable numbers for the end of 1987 were assets of \$349,700, debt of \$52,900, and average net worth of \$296,800. The average debt/asset ratio of farm operators at the end of 1988 was 0.13, compared with 0.15 in 1987. Farms with gross sales above \$40,000 had higher than average debt/asset ratios, with values ranging from 0.15 for the \$40,000-\$99,999 economic class to 0.19 for the largest class. Poultry, dairy, cash grain, and cotton farms had the highest average debt/asset ratios among production specialties at the end of both 1987 and 1988. Farms and ranches in the Lake States, Corn Belt, and Northern Plains continued to have the highest regional average debt/asset ratios.

The overall financial position of farm operators is gauged using a framework based on the farm businesses' combined income and debt/asset ratio position. The share of farms classified at either extreme of financial performance was relatively stable in 1988. According to the net farm income measure, 67 percent of farms were in a favorable financial position. The share of vulnerable farms rose from 4.9 percent in 1987 to 5.3 percent, but was still half the value estimated for the mid-1980's. The largest changes in the distribution of farms by combined income and solvency position were the increase in the share of marginal income farms and the reduction in the share of marginally solvent operations.

The Farm Costs and Returns Survey (FCRS) accounts for 81 percent of the total number of farms officially reported by the U.S. Department of Agriculture. The smallest farms (under \$10,000 in gross sales) accounted for most of the difference between official farm numbers and the FCRS estimates. To extend the results to be representative of all farms, financial performance indicators were weighted by the ratio of USDA farms to the FCRS numbers by economic class. The adjusted data show that approximately 112,600 farms were classified as vulnerable, based on their combined net farm earnings and debt/asset ratio position, at the beginning of 1989, as opposed to 101,000 at the beginning of 1988, and 204,000 at the beginning of 1987 (see figure below). The adjusted data continue to show that 40 percent of the vulnerable farms were in the Corn Belt and Lake States, and that cash grain and livestock operations accounted for most of the stressed operations.

Farms in a vulnerable financial position owed about 20 percent of total farm operator debt (\$16 billion), down from 32 percent (nearly \$37 billion) at the end of 1986. Commercial banks held the largest share (38 percent) of debt owed by vulnerable farms, followed by the Farmers Home Administration (22 percent), and Federal land banks (18 percent).



#### Estimated distribution of all farms by financial position

Source: FCRS net farm income and solvency classifications weighted by the USDA estimate of farm numbera.

### Financial Characteristics of U.S. Farms, January 1, 1989

Mitchell J. Morehart James D. Johnson David E. Banker\*

#### Introduction

Despite the 1988 drought, overall financial conditions of farms and ranches remained very similar to those of 1987. Economic performance generally continued to improve since the mid-1980's. Much of the recent progress can be attributed to farmers reducing their debt loads, thereby improving their solvency position. Lower debt also drains less farm income for debt service. The trend toward lower debt levels continued in 1988. More farms had no outstanding liabilities at the end of 1988 than at the end of 1987. Fewer farms had relatively high levels of debt compared with assets. The resurgence in farm real estate values has also contributed to lower debt/asset ratios in recent years.

On average, profits of farm operators were higher in 1988, as net farm income climbed to \$21,307 from \$20,967. Some farmers enjoyed higher earnings by taking advantage of the best commodity prices in recent years. Direct Government payments were lower in 1988. Farmers made fewer net additions to crop and livestock inventories than in 1987. Average operating expenses increased, but not enough to override the expansion in gross farm income.

However, the disparity of financial health among farm operators increased slightly in 1988. Even though average net farm income was higher in 1988, a lower percentage of farms was profitable. Only 75 percent of all farms showed positive net farm income, compared with 78 percent the year before. Financial stress in agriculture rarely hits evenly across the board, especially in a drought year. Just as farmers are affected differently, some commodities and geographic regions are hurt worse than others. The greatest losses occurred among farmers whose major source of income was crops and whose operations suffered partial or complete failure. Livestock producers in drought-plagued areas also were hurt, but mostly by higher feed costs.

The combined income and solvency position suggests little change in the share of farm operators whose financial condition could be classified as either favorable (very healthy) or vulnerable (very stressed). A favorable financial position describes 67 percent of all farms, a slight decline from 1987 but well above 57 percent in 1986. Financially vulnerable describes only 5.3 percent of all farms, compared with 10 percent in 1986. However, many farms in the vulnerable category were probably not there a year ago. Many of these farms had production expenses, assets, and debt comparable with farms enjoying more favorable financial circumstances. These vulnerable operations were likely hurt by crop failure or marketing factors, which prevented operators from generating enough income to cover expenses in 1988.

This report presents the latest information on the financial performance of farm operators. A profile of farm businesses' net income, cash-flow, assets, liabilities, and returns on investment is developed to help identify and document the diversity in farm financial performance by size and tenure of business, commodity specialization, and area of the country. Data for this report were obtained from the U.S. Department of Agriculture's Farm Costs and Returns Survey (FCRS) conducted by the National Agricultural Statistics Service (NASS) in February and March 1989 for the 1988 calendar year.

<sup>\*</sup>The authors are agricultural economists with the Agriculture and Rural Economy Division, Economic Research Service, U.S. Department of Agriculture.

#### Farm Income

The income and cash-flow statement is organized in this report to show the proportion of farm businesses that generate enough cash to meet various levels of financial obligations (see app. I). Two primary measures of earnings are used to analyze the farm businesses' income position. Net farm income (NFI) indicates the level of profit or loss associated with a current year's production. Net cash farm income (NCFI) gives a current or short-term perspective on the earnings position of the business since it does not account for capital consumed in the production process.

#### **Net Farm Income**

On average, net farm income increased by about \$350 (roughly 1.6 percent) to \$21,300 in 1988 (see app. VII). Increased earnings from crop and livestock sales provided higher gross farm incomes despite lower levels of direct Government payments, a higher incidence of Commodity Credit Corporation (CCC) loan redemptions (which results in a net withdrawal from current income), and fewer net additions to crop and livestock inventories. Average expenses also increased, but not enough to outweigh the expansion in gross farm income.

However, higher net farm incomes were not realized by all sizes of farms, farm types, or production regions. Average net incomes decreased for all but the largest economic class, which was comprised of farms with gross sales of \$500,000 or more during 1988. The largest percentage declines occurred in the \$20,000-\$39,999 and the \$250,000-\$499,999 economic classes. Cotton, cash grain, dairy, and general livestock operations were among production specialty farms with lower average net farm incomes than in 1987. Farms in the Northeast, Corn Belt, Northern Plains, Appalachian, and Delta regions also experienced declines in average net farm incomes. Average net farm incomes exceeded the U.S. average in only four regions in 1988, compared with six regions in 1987. Further evidence of increased regional variability in net farm income was the doubling of the range between the lowest and highest average regional incomes.

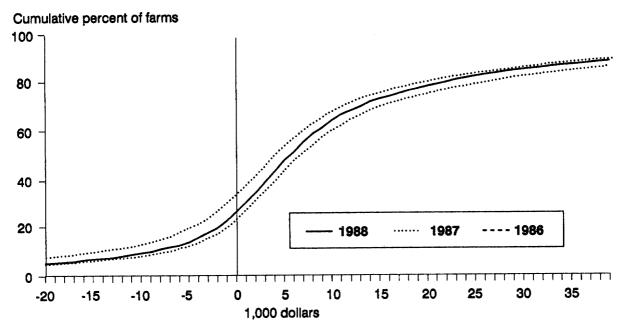
All economic size groups had fewer profitable farms than in 1987. Both the largest commercial farms (those with sales of \$500,000 or more) and small noncommercial operations (those with gross sales below \$40,000) had a more than proportionate share of farms with negative net farm income. Unlike in the 1987 results, there was relatively little variation in the percentage of farms with positive net farm income across economic classes in 1988 (except in the \$20,000-\$39,999 category).

Tobacco, other field crops, cotton, and poultry operations had the highest percentage of operators with positive net income in 1988. On a relative basis, cash grain and beef, hog, or sheep operators accounted for 68 percent of all farms and 72 percent of farms with negative net farm income. General livestock and nursery and greenhouse operators also had a more than proportionate share of farms with negative net farm incomes in 1988. In 1987, beef, hog, and sheep; general livestock; and other field crop farms had a higher than proportionate share of farms with negative incomes. The largest reductions in the share of farms with positive net farm income

#### Effects of Contracting on Farm Income

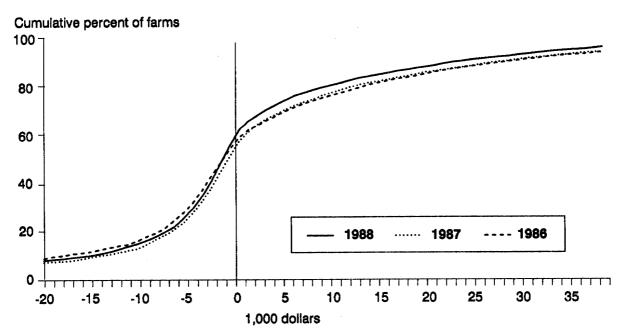
Data from the 1988 FCRS, for the first time, allow income and expenses of farm operators to be separated from those of contractors, processors, and other integrated firms involved in agricultural production (see app. VII). The income and expenses of contractors were included in net income estimates to ensure comparability between 1987 and 1988. The contractors' share of income and expenses were also removed from the estimates to give a perspective about the earnings of the traditional farm operator. Most of the effect of this adjustment occurred for average values of net income in the cash-flow and income statements rather than for the distribution of farms by income position. Adjustments to net income were largest for farms with gross sales over \$500,000; farms specializing in the production of poultry, vegetables, fruit, nuts, other field crops, beef, hogs, or sheep; and farms in the Mountain, Southeast, Pacific, and Southern Plains regions.





Net farm income





Source: Farm Costs and Returns Surveys, USDA.

occurred for nursery and greenhouse (12 percentage points), poultry (6 percentage points), and cash grain (5 percentage points) production specialties. Other field crop and cotton farms were the only production specialties with a higher percentage of profitable farms than in 1987.

Regions where more than three out of four farms were profitable (the U.S. average) included the Northeast, Northern Plains, Appalachian, Southeast, Delta, and Mountain. The Southern Plains had the lowest proportion of farms with positive net farm income (67 percent), followed by the Lake States (71 percent). (Lake States farms were also in this position a year ago.) There was considerably larger regional variation in the percentage of farms with positive net farm income than in 1987. There was only a 9-percentage-point difference between the highest and lowest share of farms with positive net farm income in 1987, but the difference spread to 14 percentage points in 1988.

Table 1--Percentage of farms with positive net income by alternative measures

	Positive net farm income				Positive net cash farm income		
Item	1986	1987	1988		1986	1987	1988
				Percent			
All farms	69	78	75		53	57	53
Economic class:							
Sales \$500,000 or over	73	76	74		83	81	78
Sales \$250,000-\$499,999	72	80	77		84	85	84
Sales \$100,000-\$249,999	73	81	77		83	86	82
Sales \$40,000-\$99,999	71	81	75		83 78	80 82	82 76
Sales \$20,000-\$39,999	71	77	69		69	82 72	63
Sales \$10,000-\$19,999	65	76	75		55	61	54
Sales \$9,999 or less	66	77	76		23	31	54 31
Region:							
Northeast	72	75	77		49	49	48
Lake States	69	74	71		63	49 59	40 61
Corn Belt	70	83	73		64	68	61
Northern Plains	72	78	75		04 74		73
Appalachian	.79	80	81		52	53	49
Southeast	69	78	78		32	45	49
Delta	63	79	81		38	4 <i>5</i> 56	43
Southern Plains	55	77	67		32		49
Mountain	60	75	78		48	52	43 53
Pacific	67	75	74		40	43	38
Production specialty:							
Cash grains	66	79	74		67	72	66
Tobacco	78	85	84		61	64	59
Cotton	67	79	80		71	83	76
Other field crops	62	75	82		37	47	51
Vegetables, fruit, nuts	66	80	78		42	46	53
Nursery, greenhouse	89	86	74		69	58	51
Beef, hogs, sheep	67	77	74		41	58 47	43
Poultry	83	88	82		74	73	43 70
Dairy	78	82	79		83	73 81	82
Other livestock	54	63	60		23	33	27

#### Net Cash Farm Income

More than half of all farms (53 percent) had positive net cash farm income in 1988, down 4 percentage points from 1987 but equal to 1986 levels. The percentage of farms with positive net cash farm income fell in all but the smallest economic class. The percentage increased in the Lake States and Mountain regions and for producers of other field crops; vegetables, fruit, or nuts; and dairy products. As with net farm income, the largest declines in net cash farm income were confined to particular regions, farm sizes, and farm types. In the three economic classes between \$10,000 and \$99,999, the decline in the proportion of farms with positive net cash farm income ranged from 6 to 9 percentage points. The Corn Belt, Delta, Northern Plains, and Pacific had the largest declines among production regions. Declines in the share of farms with positive net cash farm income among production specialties were greatest for cash grain, cotton, nursery and greenhouse, and other livestock operations, each falling by at least 6 percentage points.

Average net cash income in 1988 rose about \$500 above 1987 levels to \$17,400 (see app. VII). All but the largest and smallest economic classes experienced declines in average net cash income since 1987. Cash grain, cotton, and other livestock farms were the only production specialties with lower average net cash income. Net cash income was higher, on average, in the Lake States and Mountain regions. Ninety-three percent of farms with negative net cash farm incomes had gross sales below \$40,000 in 1988. Nearly half of these farms had positive net farm incomes.

About 78,000 (18 percent) of the 438,000 farm operators with negative net farm income had positive net cash income in 1988 (table 2). This situation was most common for commercial-sized operations (sales over \$40,000), supporting the notion that farms could generate cash-flow by liquidating assets. One-third of farms with positive net farm income did not cover all cash operating expenses. Most of these farms were operations with sales below \$40,000, indicating the importance of noncash items in determining the total net farm income of smaller farm businesses.

	Negati	Negative net farm income				Positive net farm income		
	Net cash income position		All		Net cash income position		All	
Item	Negative	Positive	farms	-	Negative		farms	
				Thousand				
Number of farms	359	78	438		475	851	1,326	
Percentage of all farms (by sales):				Percent				
\$500,000 or more	68.45	31.55	100.00		5.60	94.40	100.00	
\$40,000-\$499,999		36.76	100.00		7.36	92.64	100.00	
Less than 40,000	90.10	9.90	100.00		49.35	50.65	100.00	
All sizes	82.09	17.91	100.00		35.81	64.19	100.00	
Percentage of all								
debt (by sales):								
\$500,000 or more		28.81	100.00		7.31	92.69	100.00	
\$40,000-\$499,999	70.20	29.80	100.00		9.25	90.75	100.00	
Less than 40,000	96.13	3.87	100.00		64.13	35.87	100.00	
All sizes	77.88	22.12	100.00		20.08	79.92	100.00	
				Million dollars				
Total debt	23,072	6,552	29,624		11,135	44,326	55,461	

Table 2--Net farm income position and net cash income position of farm businesses, 1988

At least 7 percent of farms with sales above \$40,000 and positive net farm income switched from negative net cash income to positive net farm income. Such a small amount of switching to attain positive net farm income indicates that few commercial-sized farm businesses added more to inventory in 1988 than they depreciated in farm capital. Commercial-sized farms most commonly switched from positive cash to negative net farm income. This switch reflects either a decline in inventory to meet cash obligations, excluding principal repayments, or an inability to fully cover depreciation charges with cash earnings. Smaller farms, on the other hand, most often switched from negative cash to positive net farm income. Switching among income measures indicates that both current cash-flow and longer term profit measures should be examined when assessing farm financial performance. This point is forcefully made by the dramatic differences in the income measures by farm size.

#### Farm Assets and Debt

The farm operator balance sheet was developed directly from farmers' responses to survey questions (app. I). Assets include the farm operator's estimate of the current market value for: all land owned by the operation, including all buildings and structures on the land (including the operator's dwelling if located on the farm or ranch); the farm's share of all autos, trucks, tractors, other farm machinery, equipment, and tools; livestock and poultry and crops in storage, regardless of location; all purchased seed, feed, fertilizers, chemicals, fuel, parts, and other inputs on hand; and any other financial assets of the farm business, such as savings accounts, stocks, or bonds held on December 31, 1988. Liabilities related to the agricultural operations of the farm or ranch were reported as debt owed by operators at the end of 1988. The amount of debt owed to a particular lender was also categorized by the length of the original term of the loan. These categories included: (1) debt with an orginal term of less than 1 year, (2)debt with an original term of 1-10 years, and (3) debt with an original term of more than 10 years. Debt was defined to include all farm business obligations, and survey enumerators were instructed not to collect data on debt for nonfarm purposes. Debt outstanding was reported by lender rather than by purpose. The categories of lenders included production credit associations, Federal land banks, Farmers Home Administration (FmHA), commercial banks and savings and loan associations, life insurance companies, merchants, dealers, cooperatives, individuals, and other lenders.

The distribution of farms by debt/asset ratio category reveals that 48 percent of farms had no outstanding liabilities at the end of 1988 (table 3). The proportion of farms without debt has increased by about 5 percentage points a year since  $1986.^{I}$  The share of farms with a debt/asset ratio above 0.70 declined since 1987, but less dramatically than from 1986-87. Nonetheless, these results provide further evidence of farmers' efforts to pay off existing debt or rely less on credit than in the earlier 1980's.

Farm operators had average assets of \$359,600 and debt of \$48,200 at the end of 1988, resulting in a net worth of \$311,400 (see app. VIII). Comparable numbers for the end of 1987 were assets of \$349,700, debt of \$52,900, and average net worth of \$296,800. The average debt/asset ratio of farm operators at the end of 1988 was 0.13, compared with 0.15 at the end of 1987.

The solvency position of farm operators continued to improve in most size classes, regions, and production specialties. Noteworthy exceptions include a lower average net worth for farms in the \$20,000-\$39,999 and \$10,000-\$19,999 economic classes, a higher debt/asset ratio for nursery and greenhouse operations, and a lower average net worth in the Northern Plains, Appalachian, Southeast, Delta, and Southern Plains regions.

Farms with gross sales above \$40,000 had higher than average debt/asset ratios, with values ranging from 0.15 for the \$40,000-\$99,999 economic class to 0.19 for the largest economic class. This relationship reflects heavier use of debt financing by larger farm businesses. For example, 1 in 4 operations with gross sales above \$100,000 had a debt/asset ratio of 0.40 or higher, compared with 1 in 10 operations with sales below \$40,000 (fig. 2). The three economic classes over \$100,000 accounted for 18 percent of farms but 31 percent of farms with debt exceeding 40 percent of assets.

Average farm operator debt ranged from \$12,855 per farm in the under-\$10,000 economic class to \$456,332 in the \$500,000-or-more economic class. Considering the amount of debt in relation to average gross cash income provides a different perspective. On average, debt exceeded gross cash income for farms in the

This result is likely influenced by adjustments made to the FCRS in order to capture a greater proportion of the official USDA total number of farms. As a result, many of the farms added in the last 2 years are smaller, part-time operations that tend not to have a lot of yearend farm debt. For further details, see appendix II.

#### Table 3--Distribution of farms and debt by debt/asset ratio category

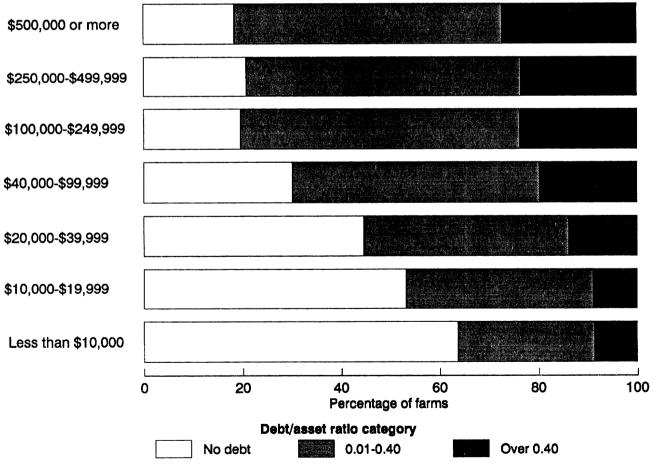
				Debt/as	set ratio		
Year	No debt	0.0	1-0.40	0.41	-0.70	Abo	ve 0.70
<u></u>	Farms	Farms	Debt	Farms	Debt	Farms	Debt
				Percent			
1988	47.9	38.5	49.0	9.2	31.6	4.4	19.4
1987	43.9	41.2	45.2	10.0	31.4	4.9	23.4
1986	38.9	39.5	32.9	13.0	34.0	8.6	33.1
1985	39.5	39.2	33.7	12.7	32.9	8.6	33.4
1984	na	na	38.1	11.6	32.9	7.3	29.0

na = Not available.

Source: Farm Costs and Returns Surveys, USDA.

#### Figure 2 Distribution of farms by debt/asset ratio and economic class, 1988

#### Economic class



economic classes below \$40,000. For the larger farms, debt ranged from 46 percent of gross cash income in the \$500,000-or-more class to 91 percent in the \$40,000-\$99,999 class. The values of this ratio would drop substantially for the smallest farms if offfarm income were added to gross cash farm income. The revised total would show farms in the \$40,000-\$99,999 category with the highest levels of debt relative to total farm and nonfarm income.

The amount of assets per farm also demonstrated a positive relationship with farm size, increasing from \$184,663 for the smallest economic class to over \$2 million for the \$500,000-or-more class. The portion of total assets comprised of land and buildings varied by farm size. Land and buildings, on average, represented nearly 80 percent of total assets for farms in the smallest economic class and declined to 54 percent in the largest class.

Poultry, dairy, cash grain, and cotton farms had the highest average debt/asset ratios among production specialties at the end of both 1987 and 1988. Nursery and greenhouse operations were the only production specialty with a higher debt/asset ratio than in 1987. Average net worth ranged from \$141,186 for tobacco farms to \$508,669 for vegetable, fruit, or nut operations. These farms also had the lowest and highest net worth, respectively, at the end of 1987. The average value of assets increased from 1987 for all farm types but other livestock. The largest increases occurred for cotton and beef, hog, or sheep farms. Average debt increased for other field crop, nursery and greenhouse, and poultry farms. The largest debt reductions occurred for cotton; vegetable, fruit, or nut; and other livestock production specialties.

Farms and ranches in the Lake States, Corn Belt, and Northern Plains retained the highest average debt/asset ratios among production regions. Average net worth was highest in the Mountain (\$568,822), Pacific (\$495,126), and Northeast (\$496,506) regions and lowest in the Appalachian (\$189,297) region. The Northeast and Lake States were the only regions where average debt increased between 1987 and 1988. The largest debt reductions per farm occurred in the Delta (30 percent) and Southeast (26 percent). The average value of assets rose more than 10 percent in the Northeast, Lake States, Mountain, and Pacific regions. The largest declines were in the Delta region.

#### **Overall Farm Financial Performance**

The overall financial performance of farm operators has been evaluated since 1984 through a framework based on the farm businesses' combined net income and debt/asset ratio position.<sup>2</sup> Results presented earlier showed that the share of farms with positive net incomes and the share of highly leveraged farms fell in 1988. The combined income/solvency indicator suggests that regardless of the measure of income used, the improvement in financial performance between 1986 and 1987 was largely sustained in 1988.

Employing alternative income measures affects the distribution of farms among the four performance categories. Net farm income is considered the most comprehensive indicator of farm business profitability and shows the largest percentage of farms in a favorable position. Cash-based income measures provide similar trends in financial performance but focus more on the ability of farms to meet current financial commitments. The most complete picture of a farm's financial status is obtained when both measures are evaluated.

#### Trends in Overall Farm Financial Performance

The share of farms classified at either extreme of financial performance was relatively stable in 1988 (table 4). According to the net farm income measure, 67 percent of farms were in a favorable financial position. The share of vulnerable farms rose from 4.9 percent in 1987 to 5.3 percent in 1988, but was still half the share estimated for the mid-1980's. According to actual survey estimates, 93,500 farms were vulnerable in 1988 compared with 82,000 in 1987.<sup>3</sup> The most noticeable, and statistically significant changes since 1987 in the distribution of farms by financial position using net farm income were the increase in the share of farms in the

<sup>&</sup>lt;sup>2</sup>For a detailed discussion of the farm classification system and the measures used to assess farm financial performance, see appendix 1.

<sup>&</sup>lt;sup>3</sup>The FCRS gives an expanded number of 1.77 million farms, compared with the official USDA estimate of 2.2 million. The majority of FCRS undercounting was for farms with gross sales below \$10,000. An extended analysis to adjust for these differences is presented in appendix II.

#### Table 4--Distribution of farm operators by financial position

	Financial position						
Item	Favorable	Marginal income	Marginal solvency	Vuinerable			
		P	ercent				
Net farm income:							
1988	66.9	19.5	8.3	5.3			
1987	68.1	16.9	10.1	4.9			
1986	56.8	21.6	11.7	10.0			
Net cash farm income:							
1988	46.0	40.4	6.8	6.8			
1987	48.5	36.5	8.2	6.8			
1986	41.0	37.0	11.7	9.9			
1985	40.4	38.3	11.3	10.0			
1984	40.8	40.1	9.2	9.9			
Net income, considering all sources							
of income and expenses: 1/		-					
1988	49.1	37.3	6.6	7.0			
1987	51.7	33.4	8.1	6.8			
1986	47.4	31.0	11.1	10.5			
1985	45.4	33.3	10.1	11.2			
1984	41.4	39.6	6.9	12.1			

1/ This income measure was formerly denoted as net cash household income. However, a detailed analysis of farm household financial performance will be published at a later date.

Source: Farm Costs and Returns Surveys, USDA.

marginal income category and the decline in the proportion of marginally solvent operations.<sup>4</sup>

Combining net cash income and debt/asset ratio position placed 46 percent of farms in the favorable category, a significant reduction from 48.5 percent in 1987. The share of farms considered financially vulnerable was unchanged at 6.8 percent.

Combining the debt/asset ratio position with net income from both farm and nonfarm sources less operating expenses, estimated principal repayment, and family living expenditures showed some changes in financial performance. For example, 49.1 percent of farms were in a favorable financial position in 1988 as opposed to 51.7 percent in 1987. A slightly higher share was financially vulnerable (7 percent) than in 1987 (6.8 percent). The largest changes, as with the other measures, were the increase in the share of marginal income farms and the decrease in the share of marginally solvent operations.

#### **Overall Farm Financial Performance in 1988**

Differences among farms in the four categories of financial performance are illustrated in tables 5 and 6. Information developed by economic class reveals that a higher percentage of the two largest largest economic classes was in a vulnerable financial position. These categories also had a less than proportionate share of farms in a favorable position. This result is unchanged from prior years and reflects heavier use of debt financing by farms in the larger economic classes.

Among production specialties, poultry, nursery and greenhouse, general field crop, and cash grain had the largest share of farms in a vulnerable financial position. Cash grain farms represented 19 percent of all farms but 25 percent of farms in a vulnerable position. Only 4 percent of beef, hog, or sheep farms were considered vulnerable, the smallest share among farm types. However, beef, hog, or sheep farms accounted for the largest share (38 percent) of farms in the vulnerable category, primarily because they were by far the largest share of all farms (49 percent in 1988).

<sup>&</sup>lt;sup>4</sup>A t-test was conducted to establish which changes in the percentage distribution of farms by combined net income and debt/asset ratio position were statistically significant. The null hypotheses under the two-tailed tests were that 1988 values were not different from those of 1987. Both 95-percent and 90-percent levels of confidence were considered.

Table 5Average operating characteristics by	net farm income and debt/asset ratio position
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Item	Favorable	Marginal income	Marginal solvency	Vuinerable	All farms			
			Percent		-			
All farms	66.92	19.48	8.26	5.33	100.00			
Economic class:								
Sales over \$250,000	59.39	15.90	16.79	7.92	100.00			
Sales \$40,000-\$250,000	62.13	16.25	14.22	7.40	100.00			
Sales under \$40,000	69.38	21.01	5.28	4.33	100.00			
Production specialty:					•			
Cash grains	61.68	18.89	12.40	7.03	100.00			
Tobacco	78.06	10.61	6.35	4.97	100.00			
Cotton	69.48	14.63	10.19	5.70	100.00			
Other field crops	71.98	10.93	10.40	6.69	100.00			
Vegetables, fruit, nuts	70.92	17.02	6.71	5.35	100.00			
Nursery, greenhouse	68.24	18.56	5.68	7.52	100.00			
Beef, hogs, sheep	68.33	22.29	5.21	4.17				
Poultry	59.19	<i>22.29</i> 9.44	22.79		100.00			
•				8.58	100.00			
Dairy Other livesteels	63.95 57.05	14.90	15.10	6.05	100.00			
Other livestock	53.95	34.31	6.46	5.28	100.00			
Region:								
Northeast	70.82	18.92	6.52	3.74	100.00			
Lake States	58.25	21.52	13.16	7.07	100.00			
Corn Belt	64.60	20.47	8.23	6.71	100.00			
Northern Plains	63.31	16.25	13.54	6.91	100.00			
Appalachian	75.07	16.56	5.72	2.65	100.00			
Southeast	72.25	19.19	5.40	3.15	100.00			
Delta	75.57	14.34	5.92	4.17	100.00			
Southern Plains	60.42	27.29	6.83	5.45	100.00			
Mountain	69.02	15.56	9.31	6.11	100.00			
Pacific	64.91	18.73	9.02	7.34	100.00			
			Acres per farm					
and characteristics:								
Acres owned	269	316	232	257	274			
Acres cash rented	113	173	210	305	143			
Acres share rented	55	52	146	85	64			
Acres operated	516	637	662	761	565			
Crop acres irrigated	19	17	37	27	21			
Pasture	257	315	230	393	273			
	Peak number							
ivestock:					<u> </u>			
Cattle	52	55	71	68	55			
Hogs	30	41	70	79	38			
Sheep	6	6	14	13	7			
Poultry	272	580	1,254	1,372	472			
Other	304	96	135	384	254			
Desertor			Years					
Operator:	55	50	10	40				
Age	55	52	43	43	53			
Education	12	12	13	13	12			

		Marginal	Marginal		All
Item	Favorable	income	solvency	Vulnerable	farms
			Dollars		
Income and expenses:					
Crop sales	24,528	17,042	46,824	25,417	24,959
Livestock sales	26,421	25,573	63,433	45,165	30,313
Other farm income	7,667	4,348	20,604	8,511	8,134
Gross cash farm income	58,615	46,963	130,860	79,093	63,406
Noncash adjustments	12,624	-935	16,528	1,639	9,719
Gross farm income	71,240	46,027	147,388	80,732	73,125
Total expenses	45,437	65,084	105,653	108,279	57,591
Net farm income	25,803	-19,056	41,735	-27,547	15,534
Nonfarm income	27,812	34,847	23,904	28,469	28,895
Farm assets:	360,788	409,237	290,219	270,357	359,575
Land and buildings	239,212	269,884	179,708	167,903	236,469
Farm equipment	37,468	40,682	46,643	42,851	39,140
Livestock inventory	25,689	27,683	36,248	30,721	27,219
Crop inventory	10,121	6,504	11,988	8,225	9,469
Purchased inputs	1,708	1,852	2,387	2,629	1,841
Other assets	33,820	38,909	12,019	12,264	31,861
Farm operator debt	24,530	37,012	181,831	179,681	48,232
By original term of loan:					
Less than 1 year	3,064	3,467	14,574	16,097	4,788
1-10 years	8,327	12,785	54,079	57,887	15,619
More than 10 years	13,139	20,759	113,179	105,698	27,825
Commodity Credit Corporation					
crop loans	1,502	1,574	5,451	5,425	2,052
Net worth	336,258	372,226	108,388	90,675	311,343
			Ratio		
Ratios:					
Debt to asset	0.07	0.09	0.63	0.66	0.13
Return on assets	.05	06	.13	10	.02
Cash expenses to gross income	.69	1.22	.74	1.25	.82
Interest to gross income	.05	.10	.10	.21	.07

Among regions, the Pacific, Lake States, Corn Belt and Northern Plains had the largest share of vulnerable farms. In 1987, the Pacific, Mountain, and Lake States had the largest share of farms in this position. Moreover, in 1988, the Corn Belt contained 19 percent of all farms but 24 percent of those in a vulnerable position; Lake States, 10 percent and 14 percent; Northern Plains, 9 percent and 11 percent; and Pacific, 7 percent and 10 percent. The increase in farms classified as vulnerable in the Corn Belt and Northern Plains was likely related to the 1988 drought.

Farm operators characterized as having high debt/asset ratios were younger and more educated than farmers in other financial positions. On average, they operated larger farms (measured by acreage) but owned a smaller share of the acres operated. Farmers with low income, regardless of debt position, owned fewer of the acres operated. Instead, these farmers operated a higher proportion of cash-rented acreage. Operators with negative income, those with both low and high debt, had more pasture than their counterparts with positive income. However, there was little difference in the peak number of livestock between these groups. Although peak number of animals does not measure total animals produced during the year, the animals-topasture ratio implies a more intense use of land resources by operators with positive incomes.

Financial ratios showed that producers in a relatively weak financial position were, on average, more highly leveraged, had lower returns on assets, and had expense-to-income ratios that indicated operating expenses exhausted farm earnings (table 6). For farms in a vulnerable financial position, 21 cents of each dollar of gross earnings went to pay interest on debt. However, high-debt producers posted different returns on current production: farms with positive income had returns of 13 percent, while farms with negative income had returns of -10 percent.

#### Combined Net Farm Income and Debt/Asset Ratio Position

About 58 percent of the 1,180,000 favorable farms, based on net farm income and solvency position, had no debt at the end of 1988 (table 7). The majority of these favorable farms with no debt (84 percent) had gross sales under \$40,000. Nearly one in four favorable farms had debt/asset ratios between 0.11 and 0.40. This group owed \$24,820 million (29 percent) of total farm operator debt. Just over 10 percent of the 1,326,000 farms with positive net farm income had debt/asset ratios above 0.40, compared with 13 percent at the end of 1987. Most of these marginal solvency farms had gross sales above \$40,000. About 67 percent of the \$26,502 million in farm operator debt owed by marginally solvent opertions was owed by farms with debt/asset ratios between 0.41 and 0.70. The amount of debt owed by those with debt/asset ratios above 0.70 fell from \$13,610 million at the end of 1987 to \$9,247 million at the end of 1988. As in 1987, marginal income farms owed the lowest share of total farm operator debt when compared with other financial cateogries.

Highlights of the distribution of farms across financial categories, based on net farm income and debt/asset ratio position for the various farm classifications, include the following:

- Economic class. The share of farms categorized as vulnerable ranged from 3.17 percent for the \$10,000-\$19,999 economic class to 8.38 for the largest class (table 8). Farms in the largest class also had the lowest percentage of favorable farms; farms with gross sales under \$10,000 had the highest percentage. Between 12 and 19 percent of farms in the classes above \$40,000 were marginally solvent, compared with less than 8 percent of farms in the classes below \$40,000. Farms in the economic classes below \$40,000 were more likely to be in the marginal income category rather than the marginal solvency category. Statistically significant changes in the distribution of farms by financial position and economic class since 1987 include: (1) a lower percentage of favorable farms in the \$20,000-\$39,999 class, (2) a higher proportion of marginal income farms for the three classes between \$20,000 and \$249,999, and (3) a lower share of marginally solvent operations for farms with sales between \$40,000 and \$499,999.
- Production specialty. In 1988, poultry and cash grain farms had the highest percentage of vulnerable farms, 8.58 percent and 7.03 percent, respectively (table 9). Beef, hog, or sheep operations had the lowest share of vulnerable farms (4.17). However, these farms represented the largest absolute number of financially vulnerable operations because they were the most common production specialty. The share of favorable farms ranged from 53.95 percent for other livestock (also the lowest in 1987) to 78.06 for tobacco farms. Nursery and greenhouse and poultry farms both had a significant reduction

	Debt/asset ratio							
		Favorable			Marginal solvency			
Farms with positive	No	0.01-	0.11-	0.41	0.71-	Over	Ali	
net farm income	debt	0.10	0.40	0.70	1.0	1.0	farms	
			Tho	usand				
Number of farms	689	203	288	104	29	13	1,326	
Percentage of all farms (by sales):			Per	<u>cent</u>				
\$500,000 or more	0.29	0.19	0.60	0.25	0.06	0.06	1.45	
\$40,000-\$499,999	6.02	4.53	7.90	3.01	.79	.48	22.73	
Less than \$40,000	32.77	6.80	7.83	2.61	.80	.19	51.00	
All sizes	39.08	11.52	16.32	5.88	1.66	.73	75.18	
Percentage of all debt (by sales):								
\$500,000 or more	0	.63	5.61	3.83	1.05	1.46	12.56	
\$40,000-\$499,999	0	2.88	17.71	12.24	3.63	2.85	39.31	
Less than \$40,000	0	1.35	5.86	4.21	1.48	.40	13.31	
All sizes	0	4.87	29.17	20.28	6.16	4.71	65.18	
			Million	dollars				
Total debt	0	4,139	24,820	17,255	5,242	4,005	55,461	

Table 7--Distribution of farms and debt by combined net farm income position and debt/asset ratio category

	Debt/asset ratio								
		Marginal income			Vuinerable				
Farms with negative	No	0.01-	0.11-	0.41-	0.71-	Over	All		
net farm income	debt	0.10	0.40	0.70	1.0	1.0	farms		
			Thou	sand					
Number of farms	155	64	125	58	21	15	438		
Percentage of all			Perc	ent					
farms (by sales):									
\$500,000 or more	0.07	0.08	0.19	0.09	0.06	0.02	0.51		
\$40,000-\$499,999	1.34	.97	2.48	1.44	.50	.27	6.99		
Less than \$40,000	7.38	2.57	4.40	1.75	.66	.54	17.31		
All sizes	8.79	3.62	7.08	3.28	1.21	.83	24.82		
Percentage of all									
debt (by sales):									
\$500,000 or more	0	.26	2.23	1.92	1.13	.49	6.03		
\$40,000-\$499,999	0	.80	6.88	6.59	2.94	1.49	18.70		
Less than \$40,000	0	.62	4.16	2.81	1.23	1.26	10.08		
All sizes	0	1.68	13.27	11.32	5.30	3.24	34.82		
			Million	dollars					
Total debt	0	1,431	11,290	9,632	4,510	2,760	29,624		

Table 8Distribution of farms	by economic class and	l combined net farm	income and solvency position
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	Financial position							
		Marginal	Marginal					
Economic class/year	Favorable	income	solvency	Vulnerabl				
		Percent						
\$500,000 or over:								
1988	55.08	17.65	18.89	8.3				
1987	54.96	15.77	21.08	8.2				
1986	43.32	16.04	29.54	11.1				
\$250,000-\$499,999:								
1988	61.52	15.03	15.76 *	7.6				
1987	60.34	12.98	19.95	6.7				
1986	46.47	14.75	25.79	12.9				
\$100,000-\$249,999:				12.5				
1988	60.74	15.43 **	16.61 **	7.2				
1987	61.32	12.13	19.86	6.7				
1986	50.03	14.36	22.72	12.8				
\$40,000-\$99,999:								
1988	63.29	16.94 **	12.22 **	7.5				
1987	65.84	12.86	15.26	6.0				
1986	51.30	16.09	19.42	13.1				
\$20,000-\$39,999:				1011				
1988	61.19 **	24.88 **	7.89	6.0				
1987	68.42	18.48	8.74	4.3				
1986	61.10	19.07	10.12	9.7				
\$10,000-\$19,999:		12107	10.12	2.1				
1988	69.34	21.69	5.80	3.1				
1987	70.01	19.94	6.17	3.8				
1986	59.05	24.79	6.16	10.0				
\$9,999 or less:				1000				
1988	71.37	19.90	4.51	4.2				
1987	71.42	18.85	5.73	4.0				
1986	61.18	26.96	4.51	7.3				
All farms:				, 10				
1988	66.92	19.48 **	8.26 **	5.3				
1987	68.13	16.93	10.09	4.8				
1986	56.82	21.54	11.65	9.9				

\* = Significant at the 90-percent confidence level.

\*\* = Significant at the 95-percent confidence level.

Source: Farm Costs and Returns Surveys, USDA.

in the share of favorable farms. Farms specializing in other field crops experienced a significant increase in the share of favorable farms. A significant increase in the share of marginal income farms was found for cash grain and beef, hog, or sheep production specialties. Other field crop farms had a significant drop in the marginal income category. Declines in the proportion of marginally solvent operations were significant for cotton; beef, hog, or sheep; and dairy farms.

• Region. The Appalachian, Southeast, and Delta regions had the highest percentage of favorable

farms and were among the lowest proportion of farms in the vulnerable category, giving them the strongest overall financial position among production regions at the end of 1988 (table 10). The Corn Belt had the most significant changes in the distribution of farms by financial performance. Its share of both favorable and marginally solvent operations declined by about 5 percentage points, while the percentage of farms in the marginal income category grew by 8 percentage points. The only other significant changes occurred in the Southern Plains, where the percentage of favorable farms fell and the share of marginal income farms rose. Table 9--Distribution of farms by production specialty and combined net farm income and solvency position

	Financial position							
<b></b>		Marginal	Marginal	<b></b>				
Production specialty/year	Favorable	income	solvency	Vulnerable				
Cash environ		Pe	ercent					
Cash grains: 1988	61.68 *	18.89 **	12.40	7.03				
1987	65.29	14.41	13.77	6.54				
1986	49.85	18.21	16.15	15.79				
Tobacco:	47.65	10.21	10.15	13.7				
1988	78.06	10.61	6.35	4.97				
1987	77.81	9.35	7.98	4.80				
1986	70.23	12.64	8.16	8.97				
Cotton:	10.23	12.04	8.10	0.9				
1988	69.48	14.63	10.19 *	5.70				
				8.98				
1987	65.10	11.10	14.82					
1986 Other Fold means	43.82	1 <b>9.93</b>	23.04	13.2				
Other field crops:	71.09. *	10.02 **	10.40					
1988	71.98 *	10.93 **	10.40	6.69 7.28				
1987	65.37	17.14	10.22					
1986 Vasatablas fruit rute	52.81	28.83	9.47	8.88				
Vegetables, fruit, nuts:	70.92	17.02	671	5.26				
1988		17.02	6.71	5.35 3.12				
1987	71.37	16.23	9.27					
1986	58.47	24.97	7.40	9.10				
Nursery, greenhouse:	(9.24 *	19.50	5 (9	7.50				
1988	68.24 *	18.56	5.68	7.52				
1987	80.30	11.23	6.28	2.19				
1986	77.13	8.68	11.64	2.50				
Beef, hogs, sheep:	<0 <b>5</b>							
1988	68.33	22.29 **	5.21 **	4.17				
1987	70.36	19.41	6.86	3.37				
1986	59.31	25.95	7.82	6.92				
Poultry:	50 10 *	0.44	22.70	0.50				
1988	59.19 *	9.44	22.79	8.58				
1987	72.83	5.21	15.86	6.10				
1986	59.52	8.34	23.55	8.59				
Dairy:	<b>60</b> 05	14.00	15 10 ++	( 0)				
1988	63.95	14.90	15.10 **	6.05				
1987	63.20	11.79	19.71	5.30				
1986	58.27	10.69	19.92	11.1				
Other livestock:	<b>**</b> 0 <b>-</b>							
1988	53.95	34.41	6.46	5.28				
1987	58.03	29.57	5.26	7.14				
1986	47.88	34.59	5.54	11.9				
All farms:								
1988	66.92	19.48 **	8.26 **	5.33				
1987	68.13	16.93	10.09	4.84				
1986	56.82	21.54	11.65	9.98				

\* = Significant at the 90-percent confidence level.
\*\* = Significant at the 95-percent confidence level.

	Financial position Marginal Marginal							
Production region/year	Favorable	income	solvency	Vulnerable				
		Pe	rcent					
Northeast:								
1988	70.82	18.92	6.52	3.74				
1987	68.22	21.82	7.03	2.92				
1986	64.00	21.58	8.15	6.27				
Lake States:								
1988	58.25	21.52	13.16	7.07				
1987	58.83	18.66	15.32	7.18				
1986	50.85	17.56	17.89	13.70				
Corn Belt:								
1988	64.60 **	20.47 **	8.23 **	6.71 **				
1987	70.15	12.38	12.77	4.71				
1986	56.81	17.96	13.55	11.68				
Northern Plains:								
1988	63.31	16.25	13.54	6.91				
1987	63.79	16.03	14.66	5.51				
1986	51.95	15.20	19.97	12.89				
Appalachian:								
1988	75.07	16.56	5.72	2.65				
1987	74.89	16.30	5.33	3.47				
1986	72.62	15.49	6.50	5.39				
Southeast:		20112		0.07				
1988	72.25	19.19	5.40	3.15				
1987	71.80	18.02	6.38	3.80				
1986	59.71	23.47	9.19	7.63				
Delta:		20111	<i></i>	1.05				
1988	75.57	14.34	5.92	4.17				
1987	71.07	16.16	8.33	4.44				
1986	53.93	26.73	9.13	10.20				
Southern Plains:	00.70	20110	2020	10.20				
1988	60.42 **	27.29 **	6.83	5.45				
1987	68.91	19.54	7.74	3.81				
1986	49.08	34.74	6.04	10.14				
Mountain:	47.00	54114	0.04	10.14				
1988	69.02	15.56	9.31	6.11				
1987	64.42	19.18	10.45	5.95				
1986	49.53	31.29	10.59	8.60				
Pacific:	47.55	51.27	16.55	0.00				
1988	64.91	18.73	9.02	7.34				
1987	66.15	18.20	8.56	7.09				
1986	57.77	25.22	8.74	8.27				
All farms:	51.11	£~.] • £~.£	0,74	0.27				
1988	66.92	19.48 **	8.26 **	5.33				
1988	68.13	16.93	10.09	4.84				
1986	56.82	21.54	11.65	4.04 9.98				
1700	50.04	£1.J4	11.05	3.20				

Table 10--Distribution of farms by production region and combined net farm income and solvency position

\*\* = Significant at the 95-percent confidence level. Source: Farm Costs and Returns Surveys, USDA.

• Tenure. The proportion of farms in a favorable financial position ranged from 72.53 percent for full owners of total land operated to 51.28 percent for full tenants (table 11). Each group also had the highest and lowest percentages, respectively, in 1987. Farmers who owned 41-60 percent of acreage operated had the highest share of vulnerable farms (11.87 percent), followed by full tenants (9.03 percent). Just as in 1987, full owners had the lowest proportion of vulnerable farms (4 percent). Farmers who owned 41-60 percent of acreage operated had the greatest number of significant changes in the distribution of farms by financial performance. These farms had a significant increase in the percentage of both marginal income and vulnerable operations coupled with a significant reduction in the share of marginally solvent farms. The 3-percentagepoint increase in financially vulnerable farms for full tenants was statistically significant.

Table 11--Distribution of farms by land tenure and combined net farm income and solvency position

	Financial position							
		Marginal	Marginal					
Tenure/year	Favorable	income	solvency	Vulnerable				
		Perce	nt					
Full tenant:				•				
1988	51.28	26.01	13.68	9.03 **				
1987	54.12	24.59	15.18	6.11				
1986	37.23	29.03	20.33	13.41				
1-20 percent:								
1988	60.32	21.76	11.58 *	6.34				
1987	61.44	17.00	15.08	6.48				
1986	47.89	22.35	17.12	12.63				
21-40 percent:								
1988	58.63	21.29	12.26	7.82				
1987	60.48	17.83	15.42	6.27				
1986	51.26	17.65	16.96	14.13				
41-60 percent:								
1988	61.27	21.94 **	9.12 **	11.87 **				
1987	63.33	16.33	15.60	4.75				
1986	53.31	22.02	14.03	10.64				
61-80 percent:								
1988	65.51	21.40	8.32	4.78				
1987	67.33	18.03	8.88	5.76				
1986	54.68	21.52	12.54	11.27				
81-99 percent:								
1988	69.20	19.79	6.64 *	4.37				
1987	65.55	1 <b>8.41</b>	10.91	5.13				
1986	59.02	20.90	12.57	7.51				
Full owner:								
1988	72.53	17.10	6.34	4.04				
1987	73.90	15.08	6.99	4.02				
1986	64.54	20.34	7.08	8.04				
All farms:								
1988	66.92	19.48 **	8.26 **	5.33				
1987	68.13	16.93	10.09	4.84				
1986	56.82	21.54	11.65	9.98				

\* = Significant at the 90-percent confidence level.

\*\* = Significant at the 95-percent confidence level.

			Debt/a	sset ratio					
		Favorable			Marginal solvency				
Farms with positive	No	0.01-	0.11-	0.41-	0.71-	Over	All		
net cash farm income	debt	0.10	0.40	0.70	1.0	1.0	farms		
			The	usand					
Number of farms	451	146	214	82	24	13	930		
Percentage of all farms (by sales):			Pe	rcent					
\$500,000 or more	0.30	0.21	0.64	0.24	0.07	0.07	1.53		
\$40,000-\$499,999	6.28	4.56	8.06	3.37	.82	.54	23.63		
Less than \$40,000	18.96	3.52	3.43	1.05	.50	.12	27.58		
All sizes	25.55	8.29	12.13	4.65	1.39	.73	52.74		
Percentage of all debt (by sales):									
\$500,000 or more	0	.74	6.17	3.79	.98	1.70	13.38		
\$40,000-\$499,999	0	2.91	17.72	13.79	3.89	2.95	41.25		
Less than \$40,000	0	.66	2.21	1.26	.85	.18	5.16		
All sizes	0	4.32	26.09	18.85	5.71	4.83	59.80		
			Million	dollars					
Total debt	0	3,673	22,201	16,037	4,860	4,107	50,878		
•	Debt/asset ratio								
		Marginal income			Vulnerable				
Farms with negative	No	0.01-	0.11-	0.41-	0.71-	Over	All		
net cash farm income	debt	0.10	0.40	0.70	1.0	1.0	farms		
			The	ousand					
Number of farms	394	121	199	80	26	15	834		
Percentage of all farms (by sales):			<u>Pe</u>	rcent					
\$500,000 en more	0.06	0.06	0.15	0.10	0.05	0.01	0.43		

0.15

2.32

8.80

11.27

1.66

6.87

7.82

16.35

13,908

Million dollars

0.05

.47

.96

1.49

1.20

2.68

1.87

5.75

4,893

0.10

1.09

3.32

4.51

1.96

5.04

5.75

12.75

10,851

0.01

.21

.61

.83

.25

1.39

1.48

3.12

2,658

0.43

6.10

40,73

47.26

5.21

16.76

18.23

40.20

34,207

Table 12--Distribution of farms and debt by combined net cash farm income position and debt/asset ratio category

0 Source: 1988 Farm Costs and Returns Survey, USDA.

0.06

1.07

21.19

22.32

0

0

0

0

0.06

.94

5.84

6.84

.14

.78

1.31

2.23

1,898

Total debt

\$500,000 or more

\$40,000-\$499,999

Less than \$40,000

\$500,000 or more

\$40,000-\$499,999

Less than \$40,000

All sizes

Percentage of all debt (by sales):

All sizes

#### Combined Net Cash Farm Income and Debt/Asset Ratio Position

In 1988, one in four farms had positive net cash farm income and no debt, and nearly another one in four had negative income and no debt (table 12). Over 80 percent of farms in both groups had gross sales of \$40,000 or less. Half of the 240,000 farms with debt/asset ratios above 0.40 had negative net cash farm income. These financially vulnerable farms owed \$18,402 million of debt at the end of 1988, compared with \$17,434 million at the end of 1987 and \$24,691 million at the end of 1986. Farms with sales of \$40,000 or less were responsible for 42 percent of farm operator debt owed by farms in a vulnerable position at the end of 1988.

Farms with positive income and debt/asset ratios of 0.11-0.40 owed the largest share (26 percent) of total farm operator debt. Farms with debt representing more than 70 percent of assets, regardless of income position, owed 19.4 percent of total debt compared with 23 percent at the end of 1987. However, in 1988, farms with negative net cash income were responsible for a larger share of this debt than they were in 1987.

Highlights of the distribution of farms across financial categories, based on net cash farm income and debt/asset ratio position for the various farm classifications, include the following:

- Economic class. In contrast to the combined net farm income and solvency classifications, the percentage of favorable farms was positively related to economic size. The share of favorable farms increased from 30.26 for the smallest class to 65.97 for the \$250,000-\$499,999 class (table 13). The percentage of vulnerable farms, however, did not have the same positive relationship with farm size. Values ranged from 8.41 percent for the largest economic class to 5.03 percent for the \$10,000-\$19,999 class. The majority of significant changes in the distribution of farms by net cash farm income and solvency position occurred for marginal income farms. The share of marginal income farms in the four classes between \$10,000 and \$249,999 increased by 3 to 7 percentage points. Both the \$10,000-\$19,999 and \$20,000-\$39,999 economic classes had a significant reduction in the percentage of favorable farms. The 3-percentage-point drop in marginally solvent farms in the \$100,000-\$249,999 class was statistically significant.
- Production specialty. Dairy farms ended 1988 in the strongest overall financial position with one of the highest percentages of favorable farms and the lowest proportion of vulnerable farms (table 14). Poultry and other field crops had the highest percentages of financially vulnerable farms in 1988, about 11.3 percent and 10.8 percent. respectively. Farms specializing in other field crops were in a similar position in 1987. At least half of all cash grain, tobacco, cotton, poultry, and dairy farms were in a favorable position. These farms along with nursery and greenhouse operations shared this distinction in 1987. Cash grain and beef, hog, or sheep operations had a significant reduction in the proportion of favorable farms. The percentage of favorable farms increased significantly for vegetable, fruit, or nut operations (8 percentage points). Cotton and beef, hog, or sheep farms each had a significant reduction in the share of marginally solvent operations coupled with an increase in the share of marginal income farms. There was a significantly lower percentage of vegetable, fruit, or nut farms in both the marginal income and marginal solvency categories. The only significant change in the percentage of vulnerable farms among production specialties was a 3-percentagepoint reduction for dairy farms.
- Region. The only significant regional changes in the distribution of farms across financial performance categories since 1987 occurred in the Corn Belt (table 15). This region experienced a 6-percentage-point increase in the share of marginal income farms and a 3-percentage-point drop in the share of marginally solvent farms. As in 1987, the Corn Belt and Northern Plains were the only regions with at least half of farms in a favorable position. The Pacific region continued to have the highest percentage of vulnerable farms, while the lowest values were held by the Northeast, Appalachian, Southeast, and Delta regions.
- Tenure. There was relatively little variation in the distribution of favorable farms by tenure class in 1988. Values ranged from 44 percent for full owners to 53 percent for farmers who owned 81-99 percent of acreage operated (table 16). Farmers who owned 61-80 percent of acreage operated had the only significant change in the favorable category, falling from 55 percent in 1987 to 48 percent in 1988. Significant increases in the percentage of marginal income farms occurred for

	Financial position							
		Marginal	Marginal					
Economic class/year	Favorable	income	solvency	Vulnerable				
\$500,000 or over:		Perce						
1988	59.19	13.54	18.86	8.41				
1987	58.94	11.78	21.69	7.59				
1986	49.29	10.07	33.32	7.32				
\$250,000-\$499,999:								
1988	65.97	10.59	17.81	5.64				
1987	63.76	9.56	21.53	5.15				
1986	52.71	8.52	31.51	7.26				
\$100,000-\$249,999:								
1988	63.52	12.66 **	18.39 *	5.44				
1987	64.06	9.39	21.49	5.06				
1986	55.40	9.00	27.32	8.29				
\$40,000-\$99,999:								
1988	62.94	17.29 **	13.32	6.46				
1987	66.04	12.66	15.56	5.74				
1986	55.92	11.47	22.18	10.42				
\$20,000-\$39,999:								
1988	56.54 **	29.53 **	6.81	7.12				
1987	64.58	22.33	7.00	6.10				
1986	58.37	21.80	10.19	9.64				
\$10,000-\$19,999:								
1988	50.10 *	40.92 **	3.94	5.03				
1987	56.47	33.48	4.21	5.84				
1986	48.97	34.87	5.97	10.19				
\$9,999 or less:								
1988	30.26	61.02	1.00	7.72				
1987	29.98	60.29	1.58	8.15				
1986	21.68	66.46	1.18	10.69				
All farms:								
1988	45.97 **	40.43 **	6.77 **	6.82				
1987	48.50	36.57	8.16	6.78				
1986	41.40	36.96	11.69	9.94				

\* = Significant at the 90-percent confidence level.

\*\* = Significant at the 95-percent confidence level.

Source: Farm Costs and Returns Surveys, USDA.

farmers who owned 41-60 of acreage operated, for farmers who owned 61-80 percent of acreage operated, and for full owners of total acreage operated. Operations in the 21-40 percent tenure class, 41-60 percent tenure class, and the 81-99 percent tenure class each had a significant decline in the percentage of marginally solvent farms.

#### **Financial Ratio Analysis**

This section presents a set of financial ratios that provides an alternative means of examining recent trends in financial performance as well as differences in financial structure among various classifications of farms. Financial ratios are a convenient method to use when comparing relationships among information contained in a variety of standard financial statements, because the ratios express relationships on a relative basis. A number of ratios may be considered in any financial analysis (those selected for purposes of this report are defined in app. I). A complete appraisal of a farm's financial position, however, should involve an evaluation of at least one ratio from each of the four principal elements of financial performance: solvency, liquidity or coverage, efficiency, and profitability.

	Financial position							
		Marginal	Marginal					
Production specialty/year	Favorable	income	solvency	Vulnerable				
		Perce	ent					
Cash grains:		<u></u>						
1988	54.50 *	26.07 **	11.97	7.46				
1987	58.29	21.41	13.45	6.85				
1986	47.14	20.92	19.40	12.53				
Tobacco:								
1988	55.28	33.39	3.61	7.71				
1987	58.83	28.33	4.73	8.11				
1986	52.70	30.17	8.27	8.86				
Cotton:								
1988	65.82	18.29 **	10.49 **	5.40				
1987	66.44	9.76	16.39	7.41				
1986	45.63	18.11	25.40	10.86				
Other field crops:			20110	10.00				
1988	44.40	38.50	6.31	10.79				
1987	40.75	41.76	6.36	11.13				
1986	30.97	50.67	6.29	12.07				
Vegetables, fruit, nuts:			0. <b>2</b> /	12.07				
1988	49.24 *	38.70 *	3.76 *	8.31				
1987	40.81	46.79	6.03	6.36				
1986	35.79	47.65	6.01	10.54				
Nursery, greenhouse:			0.01	10.54				
1988	47.74	39.06	3.74	9.47				
1987	53.61	37.91	4.29	4.18				
1986	57.74	28.07	10.92	3.27				
Beef, hogs, sheep:	57.74	20.07	10.92	5.41				
1988	39.26 *	51.26 **	3.51 **	5.87				
1987	42.80	46.79	4.57	5.66				
1986	34.49	50.77	6.14	8.59				
Poultry:	54.42	50.77	0.14	0.39				
1988	50.13	18.50	20.07	11.30				
1987	58.72	19.33	13.97	7.98				
1986	51.40	16.46	22.98	9.16				
Dairy:	51.40	10.40	22.90	9.10				
1988	64.68	14.17	17.36	3.79 *				
1987	62.17	12.82	18.50					
1986	60.05	8.91		6.51				
Other livestock:	00.05	8.91	22.92	8.12				
1988	25.15	62 11	2.29	0.47				
1987	23.15 30.47	63.11 57.14	2.28	9.47				
1986	21.10		2.07	10.33				
All farms:	21.10	61.37	1.98	15.54				
1988	45.97 **	40.42.44	( 77 **					
1987	43.97 ++ 48.50	40.43 **	6.77 **	6.82				
		36.57	8.16	6.78				
1986	41.40	36.96	11.69	9.94				

Table 14Distribution of far	ms by production specialty ar	nd combined net cash	farm income and solvency position
	J 1		

\* = Significant at the 90-percent confidence level. \*\* = Significant at the 95-percent confidence level. Source: Farm Costs and Returns Surveys, USDA.

Table	15Distribution	of farm	s by	production	region	and	combined net c	cash farm	income	and solvency	position
-------	----------------	---------	------	------------	--------	-----	----------------	-----------	--------	--------------	----------

	· · · · · · · · · · · · · · · · · · ·	Financial		
		Marginal	Marginal	
Production region/year	Favorable	income	solvency	Vulnerable
		Perce	nt	
Northeast:				
1988	43.10	46.63	5.21	5.05
1987	43.74	46.31	5.08	4.88
1986	40.90	44.68	7.62	6.80
Lake States:				
1988	49.86	29.91	11.29	8.94
1987	46.72	30.78	12.70	9.80
1986	42.47	25.94	20.38	11.21
Corn Belt:				
1988	52.98	32.08 **	7.82 **	7.11
1987	56.27	26.26	11.35	6.12
1986	49.54	25.24	14.57	10.66
Northern Plains:	12.01		2.02.	
1988	58.87	20.68	13.75	6.69
1987	63.67	16.15	14.29	5.89
1986	51.82	15.33	22.00	10.85
Appalachian:	51.02	10.00		10100
1988	45.51	46.12	3.70	4.67
1987	49.46	41.73	3.88	4.93
	46.81	41.30	4.88	7.02
1986 Southeast	40.01	41.50	4.00	1.02
Southeast:	39.70	51.75	3.61	4.94
1988		50.03	5.36	4.82
1987	39.80			4.62
1986 Data	30.59	52.60	6.12	10.09
Delta:	44.25	45.66	5.20	4.90
1988	44.23	39.04	5.20 7.47	5.29
1987		52.10	9.01	10.33
1986	28.56	52.10	9.01	10.55
Southern Plains:	07.11	50.61	5.95	6.34
1988	37.11	48.79	4.55	7.00
1987	39.66			
1986	27.39	56.43	5.04	11.14
Mountain:		20 20	6.71	0.71
1988	46.29	38.29	6.71	8.71
1987	45.04	38.55	6.78	9.62
1986	36.90	43.92	10.92	8.26
Pacific:				10.70
1988	34.27	49.37	3.74	12.62
1987	38.51	45.84	5.19	10.45
1986	33.99	49.00	6.11	10.90
All farms:				
1988	45.97 **	40.43 **	6.77 **	6.82
1987	48.50	36.57	8.16	6.78
1986	41.40	36.96	11.69	9.94

\*\* = Significant at the 95-percent confidence level. Source: Farm Costs and Returns Surveys, USDA.

Tenure/year	Financial position								
		Marginal	Marginal						
	Favorable	income	solvency	Vulnerable					
		Per	cent						
Full tenant:									
1988	50.39	26.90	14.50	8.21					
1987	52.49	26.22	13.83	7.46					
1986	40.38	25.89	22.35	11.39					
1-20 percent:				11.37					
1988	47.14	34.93	11.30	6.62					
1987	47.15	31.28	13.52	8.04					
1986	35.15	35.10	17.57	12.18					
21-40 percent:		33.10	17.57	12.10					
1988	46.22	33.70	10.57 *	9.51					
1987	48.49	29.82	13.82	7.87					
1986	41.10	27.81	19.97						
41-60 percent:	11120	27.01	13.37	11.12					
1988	47.65	35.56 *	9.49 **	7.00					
1987	51.16	28.49	14.61	7.30					
1986	43.68	31.64		5.74					
61-80 percent:	45.00	51.04	15.66	9.01					
1988	48.03 *	38.88 **	7.92	C 15					
1987	54.79	30.57	8.27	5.17					
1986	46.54	29.66		6.37					
81-99 percent:	-0.5-	29.00	14.09	9.71					
1988	53.15	35.83	5 10 **						
1987	52.45	31.51	5.19 **	5.83					
1986	47.25		11.36	4.68					
Full owner:	47.20	32.66	13.89	6.19					
1988	43.57	46.05 **	0.05						
1987	45.06	46.05 **	3.87	6.51					
1986		42.92	4.20	6.81					
All farms:	40.45	44.43	5.31	9.81					
An tarms: 1988	45.97 **	40.40.44							
1988		40.43 **	6.77 **	6.82					
1987	48.50	36.57	8.16	6.78					
1900	41.40	36.96	11.69	9.94					

Table 16Distribution of farms by land tenure and combined net cash farm income and solvency particular tenure and combined net cash farm income and solvency particular tenure and combined net cash farm income and solvency particular tenure and combined net cash farm income and solvency particular tenure and combined net cash farm income and solvency particular tenure and combined net cash farm income and solvency particular tenure and combined net cash farm income and solvency particular tenure and combined net cash farm income and solvency particular tenure and combined net cash farm income and solvency particular tenure and combined net cash farm income and solvency particular tenure and combined net cash farm income and solvency particular tenure and combined net cash farm income and solvency particular tenure and combined net cash farm income and solvency particular tenure and combined net cash farm income and solvency particular tenure and combined net cash farm income and solvency particular tenure and combined net cash farm income and solvency particular tenure and combined net cash farm income and solvency particular tenure and combined net cash farm income and solvency particular tenure and combined net cash farm income and solvency particular tenure and combined net cash farm income and solvency particular tenure and combined net cash farm income and solvency particular tenure and combined net cash farm income and solvency particular tenure and combined net cash farm income and solvency particular tenure and combined net cash farm income and solvency particular tenure and combined net cash farm income and solvency particular tenure and combined net cash farm income and combined net cash farm income and cash far	osition
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\* = Significant at the 90-percent confidence level.

\*\* = Significant at the 95-percent confidence level.

Source: Farm Costs and Returns Surveys, USDA.

Comparing average financial ratios for 1987 and 1988 suggests that the overall solvency position of farms and their ability to service debt improved, although profitability fell modestly (table 17). Average financial ratios were also estimated separately for farms with gross sales above \$40,000 and those having \$40,000 or less in gross sales. Results suggest that the improvement in solvency and debt-repayment ability was largely confined to farms with gross sales above \$40,000. The primary changes from 1987 for farms with sales of \$40,000 or less were a reduced ability to service debt out of farm income and a lower return to assets and equity of the farm business. The 1988 FCRS afforded the first

opportunity to remove contractors' income and expenses from financial ratio estimates. Farm operators were less able to service debt, were not as economically efficient, and had lower returns than shown prior to these adjustments. These results were particularly true for the largest farms; farms that specialized in the production of poultry and vegetables, fruit, or nuts; and farms in the Northeast and Southeast regions. For comparability with 1987 results, both estimates of financial ratios were provided for 1988.

The average debt/asset ratio for all farms was 0.13, down from 0.15 in 1987 (table 17). There was a

Table 17Selected average financial	ratios by :	size of farm,	1987-88
------------------------------------	-------------	---------------	---------

	Gross sales								
Measures		Less that			\$40,000				
	\$40,000			or more				<u>All farms</u>	
	1987a	1988a	1988b	1987a	1988a	1988b	1987	1988	1988b
					Ratio				
Solvency measures: 1/									
Debt/asset	0.08	0.08	0.08	0.20	0.17	0.17	0.15	0.13	0.13
Leverage	.09	.08	.08	.25	.21	.21	.18	.15	.15
Liquidity and coverage									
measures:									
Times interest earned	5.31	4.84	4.26	4.98	5.66	4.29	5.04	5.50	4.28
Debt service coverage	.46	.24	06	3.09	3.40	2.58	2.54	2.71	2.00
Debt servicing	.22	.24	.27	.11	.10	.11	.12	.11	.13
Efficiency measures:									
Asset turnover	.09	.09	.08	.33	.33	.29	.23	.23	.20
Debt burden	01	04	09	.42	.48	.34	.32	.36	.24
Gross	1.02	1.07	1.16	.73	.72	.78	.76	.76	.82
Interest expense	.12	.12	.14	.07	.06	.07	.07	.07	.07
					Percent				
Profitability measures:									
Profit margin	30.58	28.38	25.88	24.98	25.49	20.36	25.92	25.93	21.24
Return on assets	.23	28	65	6.59	6.52	4.06	3.92	3.74	2.13
Return on equity	46	99	-1.39	5.64	5.72	2.74	2.87	2.79	.94

a = Estimates include income and expenses associated with contractors.

b = Estimates exclude income and expenses associated with contractors.

1/ See appendix I for definitions of financial ratios.

Source: Farm Costs and Returns Surveys, USDA.

similar decline in the leverage ratio. At the end of 1988, farm liabilities represented only 15 percent of total equity. As one might expect, debt represented a substantial portion of the capital structure for farms with gross sales over \$40,000. These farms had liabilities that were 17 percent of assets and 21 percent of equity at the end of 1988, compared with 20 and 25 percent, respectively, in 1987. Farms with sales of \$40,000 or less had a debt/asset ratio and a leverage ratio that were at least half the values of larger farms. Solvency ratios of those smaller farms were essentially unchanged since 1987.

The improved coverage ratios reflect higher average net incomes and lower interest payments in 1988. Net farm income was 5.5 times the size of interest payments in 1988, compared with 5.04 in 1987. This greater ability to service debt was largely confined to farms with sales above \$40,000. Unlike other ratios, however, there was relatively little variation in the ratio of times interest earned between these groups. The average debt service coverage ratio increased from 2.54 in 1987 to 2.71 in 1988. Values of this ratio were considerably lower for farms with sales of \$40,000 or less than for farms with higher sales. The debt service ratio indicates that interest and principal repayment represented 11 percent of gross cash farm income, which was a 1-percentage-point reduction from 1987. As was the case for the other coverage ratios, debt service required a much larger portion of income for farms with gross sales of \$40,000 or less than for farms with higher gross sales. Farms with sales below \$40,000 typically have higher nonfarm earnings. In most cases these earnings would also be available for use in servicing debt commitments. Excluding contractors' income and expenses from the calculation of coverage ratios reduced ratio values for farms with sales above \$40,000.

Farm operators' overall efficiency in using assets, debt, and other resources in operating the farm business remained similar to 1987. The larger farms

(more than \$40,000 in gross sales) registered slight improvements, while efficiency of smaller farms was unchanged. Gross farm income represented 23 percent of total assets at the end of both 1987 and 1988. Assuming the current volume of production continues, complete asset turnover would require 4-5 years. Asset turnover was estimated to occur over three times faster for farms with gross sales over \$40,000 than for those with lower sales. The strain on cash-flow to retire debt increased in 1988, as evidenced by the 4-percentage-point gain in the average debt burden ratio. Much of this change was associated with farms that had gross sales above \$40,000. The gross ratio reveals the amount of gross cash farm income that is absorbed by cash operating expenses. The average value for all farms was identical to 1987 at 76 percent. The average gross ratio increased by 5 percentage points for farms with sales of \$40,000 or less and remained above 1, indicating that cash expenses exceeded gross cash farm income. Farms with gross sales above \$40,000 experienced a slight improvement in the gross ratio, suggesting a more efficient use of resources than in 1987. Interest continued to account for 7 percent of gross cash farm income and ranged from 6 percent for farms with gross sales above \$40,000 to 12 percent for farms with lower gross sales.

On average, farms were marginally less profitable than in 1987. The average profit margin for all farms of 25.93 percent was nearly identical to last year. Farms with sales above \$40,000 had a small increase in the average profit margin, while smaller farms experienced a decline in the ratio of net farm income to gross farm income. There was also a slight decline in both returns on assets and returns on equity. Returns were dramatically different for farms with sales of \$40,000 or less and for those with higher gross sales. Farms with sales of \$40,000 or less had negative returns on both assets and equity. The average return on assets for farms with gross sales above \$40,000 was 6.52 percent, a small decline from last year. Returns on equity for these farms rose from 5.64 percent at the end of 1987 to 5.72 percent at the end of 1988.

#### Farms With Gross Sales Above \$40,000

A great deal of the economic activity associated with farming is generated by about 600,000 farms that typically have more than \$40,000 of gross sales during the year. While representing only a third of all farms, this group accounts for 84 percent of gross farm income, 85 percent of total expenses, 60 percent of assets, and 77 percent of total farm operator debt. In contrast to smaller operations, most operators in this group consider farming to be their primary occupation (90 percent compared with 40 percent of farms with gross sales of \$40,000 or less). As a result, this group typically depends more on farming as the primary source of household income. For these reasons, many regard this group of farms as representing commercial agriculture.<sup>5</sup> The remainder of this section uses financial ratios to focus on the financial performance of this group of farms.

#### **Economic Class**

Average financial ratios for farms with sales above \$40,000 are presented by economic class in appendix table 18. Farms in the \$40,000-\$99,999 class ended 1988 in the strongest solvency position, having both the lowest average debt/asset (0.15) and leverage (0.17) ratios. For the remaining three larger economic classes, average debt/asset ratios ranged from 0.18 to 0.19 and the leverage ratio ranged from 0.21 to 0.24. These ratios suggest relatively little variation in the solvency position of these farms. Both solvency measures for all economic classes declined in 1988. Farms with gross sales above \$250,000 registered the largest gains in solvency position.

Farms in all economic classes increased their capacity to service debt. The most significant improvement occurred for farms with gross sales above \$250,000. Average coverage ratios calculated without contractors' income and expenses were lower than when included. Farms in the \$500,000-or-more economic class felt the largest effects from this adjustment. For example, the debt service coverage ratio for the largest economic class fell from 5.20 to 3.28 when contractors' income and expenses were excluded, while values of this ratio for the \$40,000-\$99,999 class fell from 2.62 to 1.87.

Comparing average asset turnover ratios for 1987 and 1988 (both including contractors' income and expenses) suggests a decline in the efficiency of asset use for all but the \$40,000-\$99,999 economic class. Most economic classes required a greater share of net cash farm income to retire debt than in 1987. Farmers' general efficiency in resource use, as

<sup>&</sup>lt;sup>5</sup>There are a variety of definitions of commercial farms offered in the literature. For purposes of this report, farms with gross sales above \$40,000 are referred to as commercial farms.

indicated by the gross ratio, deteriorated for all but the largest economic class. Across all economic classes, interest as a proportion of gross cash farm income fell by 1 percentage point.

Only in the largest economic class were farms more profitable in 1988 than in 1987. Farms in the \$250,000-\$499,999 economic class experienced the largest reduction in profitability. The average profit margin showed considerably less variation across economic classes than did other profitability measures, particularly when contractors' income and expenses were excluded from the estimates. For farms with gross sales above \$500,000, the average rate of return on equity fell from 15 percent to 7 percent after removing contractors' income and expenses.

#### **Production Specialty**

The solvency position of nearly all production specialties improved from 1987 (app. table 19). Nursery and greenhouse farms were the exception, with marginally higher debt/asset and leverage ratios than in 1987. Yet when compared with other production specialties, these operations continued to have among the lowest values of both solvency measures. Farms that specialized in the production of vegetables, fruit, or nuts easily had the largest improvement in solvency position over the last year. As in 1987, the most highly leveraged operations were cash grain, other field crop, poultry, and dairy farms.

Cash grain, poultry, and dairy were the only production specialties that were not in a better position to service debt from farm earnings than in 1987. On average, net farm income (excluding contractors' income and expenses) was at least 5 times the size of interest payments for tobacco; vegetable, fruit, or nut; nursery and greenhouse; and poultry operations. Other livestock farms had the only negative average debt service coverage ratio (excluding contractors' income and expenses). The highest values occurred for nursery and greenhouse (10.29) and poultry (4.48) farms. Values for the remaining production specialties ranged between 2 and 4. Based on the debt service ratio, interest and principal repayment required the largest share of gross farm income for cash grain and other field crop farms.

Average asset turnover ratios (excluding contractors' income and expenses) for 1988 reveal that nursery

and greenhouse, poultry, and cotton farms had the most efficient asset use among production specialties. For these farms, generating enough production to equal the value of assets would require between 2 and 3 years. Tobacco, nursery and greenhouse, and poultry operations were in the best position to retire debt at the end of 1988, having the highest average debt burden ratios (excluding contractors' income and expenses). Cotton; vegetable, fruit, or nut; beef, hog, or sheep; and other livestock farms had average gross ratios (excluding contractors' income and expenses) above 0.78 (the average for all farms with sales of more than \$40,000), suggesting a lower than average efficiency in resource use.

By any measure, farm business profitability increased since 1987 for tobacco; vegetable, fruit, or nut; beef, hog, or sheep; and poultry farms. Profits per dollar of gross income in 1988, as indicated by the profit margin (excluding contractors' income and expenses), exceeded 25 percent for poultry, nursery and greenhouse, and tobacco farms. These farms also earned higher returns on assets and equity than other production specialties.

#### **Production Region**

Over the last year, the Lake States, Southeast, Delta, Mountain, and Pacific regions showed considerable improvement in solvency positions (app. table 20). The Appalachian region was the only area with higher debt/asset and leverage ratios. Farms in the Lake States, Corn Belt, Northern Plains, and Appalachian regions were more highly leveraged than other regions in 1988, with debt representing at least 25 percent of equity.

On average, farm operators' ability to service debt from farm earnings improved the most since 1987 in the Delta, Southern Plains, Mountain, and Pacific regions. In 1988, the Northeast, Appalachian, Southeast, and Delta regions demonstrated the highest relative capacity to service debt from annual farm income.

The Northeast, Appalachian, Delta, and Southern Plains regions were, on average, more efficient users of assets than in 1987. Given 1988 production volume, the Southeast and Delta regions required the least amount of time to generate production equal in value to assets. Farmers in the Northeast, Appalachian, Southeast, and Delta regions were better able to retire debt than were other regions at the end of 1988. The most efficient resource use occurred in the Appalachian, Southeast, and Delta regions, where gross ratios (excluding contractors' income and expenses) were 0.70 or less. Average gross ratios increased in the Northeast, Corn Belt, Northern Plains, and Appalachian regions, indicating a decline in economic efficiency from 1987.

Farms earning the highest profits, on average, in 1988 were located in the Northern Plains, Appalachian, and Delta regions. Regions showing increased profitability from 1987 included the Mountain and Pacific. The greatest reductions in average profits were for farms in the Corn Belt and Northeast.

#### Farm Operator Rates of Return

The distributions of farm operators by farm business returns on assets and debt/asset ratio and by returns on equity and debt/asset ratio changed very little from the 1987 distributions. This is consistent with changes in the income and balance sheet statements. The distributions of farms, farm debt, and assets were also very similar to the 1987 distributions when these items were cross-classified by farm business returns on equity and other classifications, such as economic class, production value, tenure, production specialty, and acreage operated.

Farm operators with a favorable combination of returns and a demonstrated ability to sustain equity and service debt by earning either high returns with relatively high debt or positive returns with little or no debt (equity cushion) are in a fairly secure financial position. Farm operators with inadequate returns to sustain current equity or to fully service debt over the longer term are in a less stable position and will likely experience financial difficulties unless they are able to increase their returns or reduce their debt service burden.

#### Farm Business Returns on Assets

The percentage of all farms with returns on assets of -5 percent or better decreased slightly from 79 percent in 1987 to 77 percent in 1988. The distribution of farms by returns across debt/asset ratio categories changed similarly. For example, farms with debt/asset ratios of 0.40 or less showed a decrease from 68 percent in 1987 to 67 percent in 1988 in the proportion of farms with returns of -5 percent or better (table 18). Nearly 51 percent of all operators had returns that fell between -5 percent and 5 percent, and half of those had no debt. Even for highly leveraged groups, returns on assets most commonly were between -5 percent and 5 percent at the end of 1988.

Just over 21 percent of all farmers were in the strongest financial position (debt/asset ratios of 0.40 or less and returns on assets of at least 5 percent) in 1988, compared with 22 percent in 1987. The proportion of farms in the weakest position (debt/asset ratios above 0.40 and returns on assets under -5 percent) was 4 percent in 1988, the same as in 1987.

Return on assets	Debt/asset ratio							
	No debt	0.01-0.10	0.11-0.40	0.41-0.70	0.71-1.0	Over 1.0	All farms	
				Percent				
0.20 or over	1.56	0.58	1.60	0.89	0.25	0.24	5.13	
0.10 to 0.19	2.35	.94	1.99	.86	.33	.12	6.58	
0.05 to 0.09	6.83	1.93	3.63	1.48	.39	.09	14.35	
-0.05 to 0.04	26.87	8.45	10.56	3.61	.80	.45	50.74	
-0.10 to -0.06	3.74	1.27	2.15	.84	.35	.09	8.44	
-0.20 to -0.11	3.24	1.09	1.99	.94	.37	.14	7.78	
-0.21 or less	3.28	.87	1.48	.54	.38	.42	6.98	
All farms	47.87	15.14	23.40	9.16	2.87	1.56	100.00	

Table 18--Distribution of farms by debt/asset ratio and farm business returns on assets

#### Farm Business Returns on Equity

Returns on equity decreased slightly in 1988 compared with those in 1987. Just over 70 percent of all farms had returns on equity of -5 percent or better, compared with nearly 72 percent in 1987 (table 19). As was the case in 1987, the largest share of all farms had returns on equity in the -5 percent to 4 percent range. This was also true for farms with a debt/asset ratio of 0.40 or less. Farms in this category likely experienced little or no financial stress in 1988. However, those with negative returns must improve their performance to remain viable in the future.

Just over 20 percent of farms in 1988 were in the strongest financial position, with both low debt/asset ratios (0.40 and below) and high returns (greater than 5 percent), compared with 21 percent in 1987. Some farms earned adequate returns on equity in 1988, despite being highly leveraged. About 4 percent of all operators had debt/asset ratios of 0.41-1.0 and returns on equity of over 5 percent. Excluding insolvent farms, those in the most difficult financial position (debt/asset ratios above 0.40 and returns on equity below -5 percent) constituted nearly 7 percent of all farm operators in 1988, compared with just over 6 percent in 1987.

#### **Economic Class**

Farms with returns on equity of -5 percent or better made up about 70 percent of farms in 1988 and were responsible for over 64 percent of all debt and 82 percent of all assets (table 20). The comparable figures for 1987 were 72, 60, and 82 percent. Thus, in comparison to 1987, a slightly smaller proportion of farms had returns on equity of -5 percent or better. These farms controlled a higher share of total farm operator debt and about the same share of assets. In most instances, this pattern was repeated across all economic classes.

The 45 percent of all operators who had returns on equity between -5 percent and 5 percent were responsible for 29 percent of the debt at the end of 1988 but owned nearly 60 percent of all assets. Over half of all operators whose equity returns fell within this range earned less than \$10,000 in annual gross sales. They owned 17 percent of all operators' assets at the end of 1988, but owed only 5 percent of all debt. Within each economic class, the largest share of operators had returns in the -5 percent to 4 percent range, except for those in the \$500,000-ormore class. Over 29 percent of the operators in that class had returns of 20 percent or better.

#### **Acreage Operated**

Farmers operating more than 2,000 acres in 1988 made up about 3.5 percent of all farm operators but were responsible for nearly 17 percent of all operator debt and about 16 percent of all assets (app. table 21). Farmers operating 100 or fewer acres made up a much higher proportion (44 percent) of all operators but controlled similar percentages (17 and 25 percent) of debt and assets. Over a third of farmers operating 501 acres or more had returns of 5 percent or better in 1988. In comparison, less than a fourth of farmers operating fewer than 501 acres had returns of 5 percent or better.

Table 19Distribution of	forme ha	a debt/asset	ratio and f	arm business	returns on equity
1 auto 17-Distribution of	iams U	y ucollasser	rano ana r	atin Dusiness	Totatino on oquity

Return on equity	Debt/asset ratio							
	No debt	0.01-0.10	0.11-0.40	0.41-0.70	0.71-1.0	Over 1.0	farms	
	Percent							
0.20 or over	1.51	0.59	1.82	1.23	0.60	na	6.68	
0.10 to 0.19	2.28	.91	1.87	.72	.13	na	5.99	
0.05 to 0.09	6.72	1.68	2.86	.78	.20	na	12.32	
-0.05 to 0.04	26.82	8.05	8.37	1.68	.12	na	45.19	
-0.10 to -0.06	3.94	1.70	2.97	.79	.13	na	9.55	
-0.20 to -0.11	3.15	1.23	2.94	1.40	.12	na	8.88	
-0.21 or less	3.46	.98	2.56	2.55	1.58	na	11.14	
Insolvent farms	na	na	na	na	na	1.56	.25	
All farms	47.87	15.14	23.40	9.16	2.87	1.56	100.00	

na = Not available.

# **Production Specialty**

About 76 percent of all operators specialized in cash grain; beef, hog, or sheep; and dairy enterprises in 1988. These operators owed 77 percent of all operator debt and held about 76 percent of all operator assets (app. table 22). The percentage of cash grain; beef, hog, or sheep; and dairy operators with returns greater than -5 percent decreased slightly from 73, 74, and 64 percent in 1987 to 71, 70, and 61 percent in 1988. The share of debt held by cash grain and beef, hog, or sheep operations with returns greater than -5 percent increased by about 5 percent from 1987 to 1988. The share of assets held by these farms did not change from 1987 to 1988. The share of debt and assets controlled on dairy operations with

returns of -5 percent or more both decreased by about 5 percent from 1987 to 1988.

The percentage of farms that were insolvent or had low returns on equity varied by specialty. Other livestock, dairy, and tobacco farms had the greatest share (42, 38, and 32 percent) of operators who either had returns on equity less than -5 percent or were insolvent. They were followed closely by beef, hog, or sheep; cash grain; and nursery and greenhouse farms (30, 29, and 28 percent). The share of operator debt and assets on farms that had returns below -5 percent or were insolvent was greatest for other livestock (45 and 24 percent) and dairy (42 and 26 percent) farms.

				Far	m business	returns or	equity			
Economic	Item	0.20 or	0.10 to	0.05 to	-0.05 to	-0.10 to	-0.20 to	-0.21 or	Insolvent	All
class		over	0.19	0.09	0.04	0.06	0.11	less	farms	farms
						Percent				
\$500,000	Operators	0.58	0.22	0.26	0.47	0.12	0.11	0.17	0.03	1.97
or over	Debt	4.43	2.41	1.91	4.72	1.10	1.51	2.00	.52	18.60
	Assets	2.19	1.56	1.54	5.69	.69	.64	.64	.05	13.00
\$250,000-	Operators	.84	.62	.53	1.10	.26	.27	.34	.02	3.98
\$499,999	Debt	3.06	1.92	1.75	3.76	1.01	1.72	1.73	.17	15.11
	Assets	1.24	1.37	1.73	5.36	.68	.62	.56	.02	11.57
\$100,000-	Operators	1.81	1.59	1.24	4.09	.86	.83	1.18	.11	11.70
\$249,999	Debt	3.97	3.49	2.27	7.42	2.62	2.35	3.63	.55	26.30
	Assets	1.51	2.31	2.17	9.76	1.49	1.04	.99	.06	19.34
\$40,000-	Operators	1.38	1.06	1.82	5.37	1.44	1.28	1.64	.06	14.04
\$99,999	Debt	2.22	.93	1.68	4.66	1.91	1.96	3.08	.17	16.60
	Assets	.80	.73	1.70	8.42	1.55	1.04	.95	.02	15.21
\$20,000-	Operators	.88	.52	.97	4.69	1.22	1.32	d	d	10.97
\$39,999	Debt	1.14	.19	.47	2.17	.88	1.00	đ	d	6.91
	Assets	.28	.29	.65	6.06	.94	.71	d	d	9.42
\$10,000-	Operators	.34	.37	1.11	6.37	.98	1.50	đ	d	11.89
\$19,999	Debt	.24	.10	.48	1.57	.30	.60	d	d	4.37
	Assets	.09	.12	.62	5.89	.48	.60	d	đ	8.13
\$9,999	Operators	.86	1.61	6.40	23.10	4.67	3.55	d	d	45.44
or less	Debt	.51	.59	1.54	4.73	1.44	1.24	d	d	12.11
	Assets	.21	.54	2.43	16.51	1.77	1.02	d	d	23.34
All	Operators	6.68	5.99	12.32	45.19	9.55	8.88	11.14	.25	100.00
farms	Debt	15.57	9.64	10.11	29.03	9.25	10.36	14.61	1.43	100.00
	Assets	6.32	6.92	10.84	57.69	7.60	5.67	4.82	.15	100.00

d = Data insufficient for disclosure.

Poultry, cotton, other field crop, and nursery and greenhouse farms had the highest proportions (58, 38, 37, and 37 percent) of operations with returns on equity of at least 5 percent. Only 18 percent of beef, hog, and sheep farms; 20 percent of other livestock farms; and 23 percent of tobacco farms had returns on equity of that level.

### Region

The 1988 regional distributions of operators, operator debt, and operator assets by region were nearly identical to those in 1987 (app. table 23). Changes in the regional distributions of operators, debt, and assets from 1987 to 1988 were typically in the range of 1 percent or less. One exception occurred in the Corn Belt, where operators, operator debt, and operator assets all declined by 2 percent. Changes in the distributions of operators, operator debt, and operator assets by region and farm business returns on equity from 1987 to 1988 were not uniform in direction. This is in contrast to changes in these distributions from 1986 to 1987 when, for example, the share of operators, operator debt, and assets for operations with returns on equity of -5 percent or greater generally increased. For example, in the Corn Belt, the share of operators, operator debt, and operator assets for farm operations with business returns on equity of -5 percent or better decreased to 67, 60, and 75 percent in 1988, compared with 73, 62, and 82 percent in 1987. But in the Pacific region, the share of operators, operator debt, and operator assets for farm operations with business returns on equity of -5 percent or greater increased from 72, 58, and 80 percent to 75, 68, and 87 percent in 1988. In 1988, the Southeast and Delta States had the highest shares (79 and 77 percent) of operators with returns of -5 percent or better. These operators controlled about 85 percent of the assets in both regions and held about 67 percent of the debt. In comparison, only about 61 percent of the operators in the Lake States had returns of -5 percent or above. These farms accounted for 59 percent of operator debt and 72 percent of operator assets in that region. The Lake States had the highest proportion (41 percent) of debt owed by operators who were either insolvent or had returns on equity less than -5 percent, followed by the Corn Belt, Southern Plains, and Delta States (40, 39, and 38 percent). Farmers in the Lake States, Corn Belt, and Northern Plains owed about 50 percent of all operator debt on farms that were either insolvent or had returns below -5 percent. Farmers in the Southern Plains, Pacific, and Mountain States owed another 22 percent.

At the other extreme, the Mountain States had the largest percentage (35 percent) of operators who earned returns on equity of 5 percent or more. They controlled 46 percent of the debt in the Mountain States and held about 27 percent of the assets. Twenty-seven percent of operators in the Pacific, Northern Plains, Southeast, and Delta regions had returns on equity above 5 percent. Farmers in the Appalachian and Southern Plains regions, where only 20 percent of the farms had returns on equity of 5 percent or more, had the lowest returns.

## Tenure

Full owners accounted for about 53 percent of all farm operators in 1988, controlled 34 percent of all operator debt, and held nearly 48 percent of all assets (app. table 23). Full tenants accounted for 9 percent of all operators, owed about 6 percent of all operator debt, and held about 5 percent of all operator assets. About 47 percent of full tenant operators had returns of -5 percent or better, compared with nearly 76 percent of full owners. Over twice as many tenants (53 percent) had returns of -6 percent or less or were insolvent compared with full owners (24 percent).

# Lender Portfolio Perspective

This section examines the distribution of operator debt by lender and operator financial status. The distribution of operator debt by income/solvency position and by operator economic class, production specialty, and region is also analyzed.

### Debt Distribution by Lender

The distribution of lender debt by operator leverage position indicates that commercial banks, Federal land banks, and the Farmers Home Administration (FmHA) held nearly 75 percent of all operator debt (table 21). About 39 percent of FmHA debt was owed by farms with debt/asset ratios greater than 0.71, compared with 41 percent at the end of 1987 and 54 percent at the end of 1986. The percentage of operator debt held by commercial banks in this category also declined from 19.5 percent on January 1, 1988, to 16.9 percent on January 1, 1989. The percentage of operator debt held by commercial banks, Federal land banks, and FmHA on farms with debt/asset ratios of 0.40 or less increased from 50, 44, and 25 percent on January 1, 1988, to 52, 53, and 27 percent on January 1, 1989. Of all the debt owed by highly leveraged operators (debt/asset ratios exceeding Table 21--Distribution of debt owed by farm operators by debt/asset ratio and lender

			ratio on Janu				farms,
Lender	0.01-	0.11-	0.41-	0.71	Over		Jary 1
	0.10	0.40	0.70	1.0	1.0	1989	1988
				Percent			
Commercial banks:							
Own debt	7.7	44.0	31.4	9.8	7.1	100.0	100.0
All lender debt in class	47.2	41.4	39.6	34.0	35.5	39.9	36.0
All operator debt	3.1	17.6	12.5	3.9	2.8	39.9	36.0
Federal land banks:							
Own debt	5.8	47.0	34.4	8.2	4.5	100.0	100.0
All lender debt in class	17.2	21.3	21.0	13.8	10.9	19.3	19.2
All operator debt	1.1	9.1	6.6	1.6	.9	19.3	19.2
Farmers Home Administration:							
Own debt	2.5	24.3	33.8	20.7	18.6	100.0	100.0
All lender debt in class	5.8	8.6	16.1	27.3	35.3	15.1	15.9
All operator debt	.4	3.7	5.1	3.1	2.8	15.1	15.9
Production credit association:							
Own debt	8.3	52.8	27.4	6.8	4.6	100.0	100.0
All lender debt in class	8.0	7.8	5.4	3.7	3.7	6.3	6.4
All operator debt	.5	3.3	1.7	.4	.3	6.3	6.4
Merchants and dealers:							
Own debt	12.9	42.9	27.6	11.4	5.2	100.0	100.0
All lender debt in class	4.7	2.4	2.1	2.4	1.6	2.4	2.5
All operator debt	.3	1.0	.7	.3	.1	2.4	2.5
Life insurance companies:							
Own debt	5.5	43.2	34.0	12.7	4.5	100.0	100.0
All lender debt in class	2.5	3.0	3.2	3.3	1.7	3.0	3.0
All operator debt	.2	1.3	1.0	.4	.1	3.0	3.0
Individuals:							
Own debt	6.6	48.0	28.3	11.9	5.2	100.0	100.0
All lender debt in class	13.0	14.6	11.5	13.4	8.5	12.9	13.9
All operator debt	.8	6.2	3.6	1.5	.7	12.9	13.9
All other lenders:							
Own debt	8.7	26.9	24.9	20.5	19.0	100.0	100.0
All lender debt in class	1.6	.8	1.0	2.2	2.9	1.2	na
All operator debt	.1	.3	.3	.3	.2	1.2	na
All lenders:							
All lender debt in class	100.0	100.0	100.0	100.0	100.0	100.0	100.0
All operator debt	6.5	42.4	31.6	11.5	8.0	100.0	100.0

na = Not applicable.

Source: Farm Costs and Returns Surveys, USDA.

0.40), commercial banks held the largest share (19 percent), followed by FmHA (11 percent), and Federal land banks (9 percent). The proportion of debt on insolvent operations (debt/asset ratios above 1) held by commercial banks, Federal land banks, and FmHA decreased from 10, 10, and 24 percent on January 1, 1988, to 7, 5, and 19 percent on January 1, 1989.

Total reported farm operator debt declined by over \$3 billion from January 1, 1988, to January 1, 1989 (app. table 22). The total debt held by commercial banks, Federal land banks, and FmHA was \$63 billion, representing no change from January 1, 1988. However, total debt owed to commercial banks increased by about \$2 billion while decreasing by about \$1.3 billion for FmHA. Nearly \$1 billion of the decrease in FmHA debt occurred on outstanding loans to insolvent operations (debt/asset ratios over 1). Total debt on insolvent farm operations declined by over \$3 billion during 1988, while debt held on farms with debt/asset ratios of 0.11-0.40 increased by nearly \$2 billion. Commercial banks, Federal land banks, and FmHA held \$5.5 billion of the \$6.8 billion in debt on insolvent farms at the end of 1988. Commercial banks held the largest share of debt on insolvent operations, followed closely by FmHA. From 1985 to 1987, the total amount of debt held by FmHA on insolvent farm operations exceeded that held by commercial banks.

# Distribution of Operator Debt by Financial Position

FCRS data on operator debt were also examined by lender and operator financial position. In classifying operator debt by financial position, two alternative measures of income were used: net farm income (NFI) and net cash farm income (NCFI).

With regard to either income measure, the share of operator debt held by the three major lenders (commercial banks, Federal land banks, and FmHA) on farms in a vulnerable financial position increased during the year. The share of debt held on vulnerable operations increased the most for FmHA. FmHA's share of operator debt held on farms in this position increased from 23 percent on January 1, 1988, to 28 percent on January 1, 1989, when NFI was used to measure income (table 22). The share of operator debt held by commercial banks on farms in a vulnerable position increased slightly from 18 percent on January 1, 1988, to 19 percent on January 1, 1989 (fig. 3).

The share of debt held on farms in a favorable position decreased slightly by about 1 percent for

commercial banks and FmHA from January 1, 1988, to January 1, 1989. For Federal land banks, the share of debt held on farms in this position increased by about 5 percent when NFI was used to measure income. In the marginal financial categories, the share of lender debt held on farms in a marginal income position generally increased, while the share of debt held on farms in a marginal solvency position decreased.

# Debt Owed by Farms in a Vulnerable Position

Commercial banks, Federal land banks, and FmHA held 78-79 percent of total debt on financially vulnerable farms on January 1, 1989, depending on the income measure used (app. table 26).

When income was measured on a net farm basis, commercial banks held 38 percent of the debt on financially vulnerable farms, followed by FmHA (22 percent), and Federal land banks (18 percent) (fig. 4). Most of the remaining debt in this category was held by other individuals and production credit associations.

FmHA had the largest share of its debt on farms in vulnerable and marginal financial positions when compared with other lenders. On a NFI basis, FmHA's share of debt held on farms in marginal or vulnerable positions was 81 percent, compared with 64 percent for commercial banks and 62 percent for Federal land banks.

		Income/solve	ncy position		
		Marginal	Marginal		All
Item	Favorable	income	solvency	Vulnerable	farms
		-	Percent		
Commercial banks:					
Own debt	35.6	16.2	29.4	18.8	100.0
All lender debt in class	41.7	43.3	37.7	37.8	39.9
All operator debt	14.2	6.5	11.7	7.5	39.9
Federal land banks:					
Own debt	37.7	15.2	28.3	18.8	100.0
All lender debt in class	21.3	19.6	17.5	18.2	19.3
All operator debt	7.3	2.9	5.5	3.6	19.3
Farmers Home Administration:					
Own debt	18.6	8.2	44.9	28.3	100.0
All lender debt in class	8.3	8.2	21.7	21.5	15.1
All operator debt	2.8	1.2	6.8	4.3	15.1
Production credit association:					
Own debt	39.7	21.5	22.6	16.2	100.0
All lender debt in class	7.3	9.0	4.6	5.1	6.3
All operator debt	2.5	1.3	1.4	1.0	6.3
Merchants and dealers:					
Own debt	41.7	14.0	27.3	16.9	100.0
All lender debt in class	2.9	2.2	2.1	2.0	2.4
All operator debt	1.0	.3	.7	.4	2.4
Life insurance companies:					
Own debt	35.0	13.7	31.5	19.7	100.0
All lender debt in class	3.1	2.7	3.0	2.9	3.0
All operator debt	1.0	.4	.9	.6	3.0
Other individuals:					
Own debt	38.4	16.2	27.8	17.6	100.0
All lender debt in class	14.5	14.0	11.5	11.4	12.9
All operator debt	5.0	2.1	3.6	2.3	12.9
All other lenders:					
Own debt	24.1	11.5	48.8	15.7	100.0
All lender debt in class	.9	.9	1.9	1.0	1.2
All operator debt	.3	.1	.6	0.2	1.2
All lenders:					
All lender debt in class	100.0	100.0	100.0	100.0	100.0
All operator debt	34.0	15.0	31.1	19.9	100.0

Table 22--Distribution of debt owed by farm operators by net farm income and solvency position, January 1, 1989

## Figure 3 Distribution of farm operator debt by financial position and lender

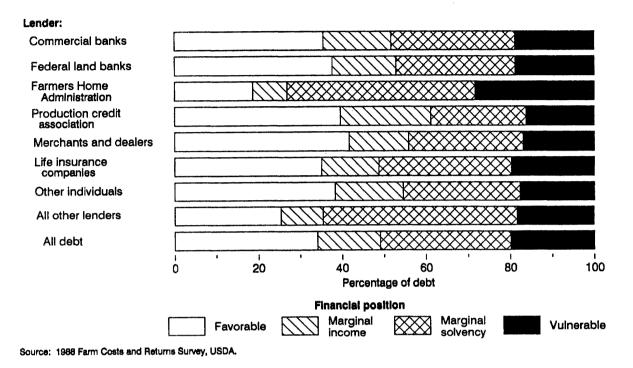
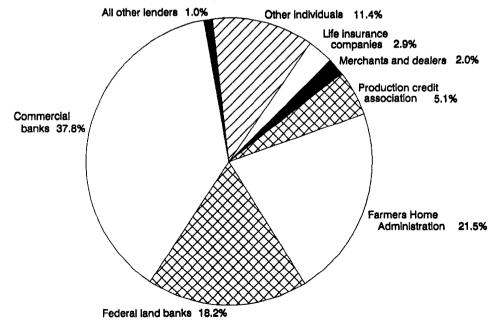


Figure 4

# Distribution of debt owed by farms in a vulnerable financial position by lender



Source: 1988 Farm Costs and Returns Survey, USDA.

# Appendix I--Assessing Farm Financial Performance

The financial performance of farm operations can be measured by evaluating the relationship between income and leverage position, as measured by debt and assets. Cash-based income measures reveal the ability of a farm business or household to meet current debt service commitments and pay family living expenses. Net farm income provides a longer term assessment of earnings that reveals a farm's ability to generate profits.

Solvency, as measured by the debt/asset ratio, reflects owner equity in the farm business and financial risk associated with the operation. Several studies have illustrated that some farm businesses with relatively high debt/asset ratios can generate income needed to service financial obligations, while some operations with little or no yearend liabilities have inadequate earnings. Thus, understanding financial performance requires considering a variety of financial statement data.

Several additional measures may also be used to obtain a perspective about financial performance (liquidity and coverage, solvency, profitability, and financial efficiency). These include a variety of financial ratios, such as the debt/asset and leverage ratios (indicating degree of solvency), the debt coverage ratio (indicating the farm's ability to meet financial commitments), the gross and expense structure ratios (indicating how efficiently resources are being used), and the returns on assets or equity ratios (indicating relative profitability). These and other alternative financial indicators and empirical estimates are presented and discussed for 1988.

#### **Income Measures**

The objective of the income statement is to generate a net income figure that reconciles the change in net worth during the calendar year. Farmers and ranchers most often choose the calendar year as the accounting period because it coincides with the tax year. The entity for which the income statement is prepared must be the same as the entity for which the balance sheet is prepared.

The primary focus of financial statements constructed for this report is the farm business. However, separation of farm and nonfarm income, expenses, assets, and debt is not possible in many situations because of the way records are kept. Moreover, a more complete picture of the financial viability of a farm business requires information about the entire farm household. This is particularly true for smaller, noncommercial enterprises.

Additional insights about farm business earnings require that income and expenses be treated on both a cash- and accrual-accounting basis. Both methods are used in agriculture, although individual proprietorships typically use cash-based income accounting for tax purposes largely because of the method's relative simplicity. For the cash-based approach, timing of payment determines revenues or expenses, while timing of payment makes no difference for the accrual approach. Likewise, expenses are claimed in the year they are paid under a cash system, while expenses are claimed in the year the goods or services are used in production under an accrual system. Under accrual accounting, net income is adjusted for asset depreciation, the value of home consumption of farm production, and the gain or loss in the value of crop and livestock inventories.

The conceptual framework for the derivation of farm operator cash-flow and net income is shown in appendix figure 1. Income generated by farm businesses and households during calendar year 1988 is analyzed through the use of three measures:

Net cash farm income (NCFI). This measure indicates the amount of net cash earnings from all business sources that a farm generates during the year. These funds can be used to repay principal on indebtedness, purchase new machinery or equipment, expand the farm business, or pay for family consumption or other obligations. We define NCFI as gross cash income minus all operating expenses, including interest payments but excluding principal repayments.

Net cash income from all sources (NCIFAS). This income measure indicates the amount of funds available, assuming all principal repayments and family cash withdrawals have been met. These funds can be used for business expansion, further consumption, savings, or other obligations. NCIFAS is derived by adding earnings of the farm household from off-farm sources to NCFI and deducting an estimate of principal repayments on outstanding debt and an allowance for family living expenditures.

#### Appendix figure 1 Farm operator income statement

#### Gross cash income

Livestock and poultry sales Crop sales including net CCC loans Custom work Government payments Other farm-related income

#### Less Farm business cash expenses

Feeder livestock **Breeding fees** Veterinary fees Feed and seed Fertilizers and chemicals Hired labor Fuels and oils Repairs and maintenance Transportation and storage Rent and lease payments Machine-hire Interest on operating loans Utilities Other variable expenses Property taxes Interest on intermediate and long-term debt Insurance premiums Other fixed expenses

# Equals Net cash farm income (NCFi)

Net farm income (NFI). Net farm income indicates the profit or loss associated with current production. NFI is constructed by adjusting gross cash income to reflect changes in inventory values while incorporating nonmoney income components (an estimated value of home-consumed products and an estimated rental value of onfarm dwellings) and subtracting total operating expenses, including both interest payments and the amount of depreciation that the business has taken on its capital stock.

Estimates of family living expenses and principal payments were developed using secondary

#### Net cash farm income

#### Plus Nonfarm income

Net earnings from off-farm business Wages or salaries Interest and dividends Other off-farm income

#### Less

Estimated principal repayment Estimated family living expenses

Equals Net cash income from all sources (NCIFAS)

#### Net cash farm income

Less Depreciation

#### Plus

Net change in crop and livestock inventories Value of home consumption Imputed rental value of farm dwellings

# Equals Net farm income (NFI)

information. The estimate for family living expenses is the nonmetropolitan household mean money income (\$24,967 for 1987) less estimated Federal income tax (\$1,923), State income tax (\$375), and estimated implicit net rental value of farm dwellings (\$4,140). After these adjustments, the family living allowance was estimated to be \$18,529 for the average farm family in 1987. The estimated living allowance for 1988 (\$19,200) equals the 1987 allowance, once adjusted for changes in the annual consumer price index (CPI) (about 4.14 percent). Principal payments were estimated based on the amount of real estate and nonreal estate debt held by farm operators for each lender. The principal repayment commitments used are consistent with real estate debt repayment in the 10th year of a 30-year schedule, nonreal estate debt repayment in the 3rd year of a 7-year schedule, and interest rates charged by each lender for each debt category.

The estimated percentage of outstanding debt repaid varied by lender. Specific principal repayment levels calculated for use in the analysis were: Federal land banks, 1.37 percent; life insurance companies, 1.77 percent; FmHA, 8.73 percent; commercial banks, 8.73 percent; production credit associations, 12.68 percent; implement dealers, 12.62 percent; co-ops and other merchants, 14.11 percent; individuals, 6.39 percent; and other lenders, 8.59 percent. These figures indicate that lenders with a larger proportion of their total portfolio in real estate have smaller repayment percentages. To calculate the total principal repayment amount for each farm, the above percentages were applied to the amount of outstanding liabilities reported for each lender, and amounts were summed across all lenders.

#### **Solvency Measures**

The structure of the balance sheet reflects the equality in the fundamental accounting equation: assets = liabilities + owner equity. Assets include everything owned by the farm business of value, including obligations owed by others. Liabilities are monetary commitments to others at a certain point in time. The farm business' balance sheet, as reported by the farm operator, provides the basis for developing solvency measures used in this report. The 1988 FCRS provides information on outstanding debt by type of lender and also allows for distinction between length of original loans (app. fig. 2). Debt/asset and other solvency ratios are constructed from survey data to determine the relationship between claims on the farm business and total assets used in production. Solvency indicators reflect the risk of the farm operator's financial structure or equity of the farm business. Specifically, we measure the debt/asset ratio as total operator debt reported outstanding as of January 1, 1989, divided by the operator's estimate of the current market value of all owned assets of the farm business.

## **Income and Solvency Classifications**

Information drawn from the farm's income and balance sheet statements provides the basis for classifying the farm business and, by extension, farm households into one of four financial performance categories for each of the three net income measures. Financial statements were constructed for each farm unit. A farm's relative financial condition is based on its combined income and solvency status. The farm is argued to have a relatively strong liquidity or earnings position if its estimated net income measure is positive and a stable solvency position if its estimated indebtedness is no more than 40 percent of the reported value of all assets, expressed as a debt/asset ratio of 0.40 or less.

The combined income/solvency categories provide a perspective on the proportion of farm businesses that faces financial difficulties from the viewpoint of annual earnings and solvency (app. fig. 3). Interpretation of the financial situation faced by farm businesses in each financial health category is as follows:

**Favorable.** Farms and ranches in a favorable financial position have a positive income and a debt/asset ratio less than 0.40. These profitable, low-leverage operations are able to retain earnings, putting them in a position to take advantage of investment and expansion opportunities.

Marginal income. These businesses have negative incomes and a debt/asset ratio of 0.40 or less. These farms generally face an earnings problem. Any financial difficulties are more likely related to current business decisions and results (crop mix, weather, program participation, prices paid and received, output levels, farm size, and efficiency) rather than to the financial riskiness of past decisions. Current earnings deficiencies can be overcome with increased borrowing or sales of assets, both of which convert equity to cash. The resulting additional debt service burden or decreased equity base could accelerate cash-flow problems and increase financial risk. In some situations, earnings generated by the farm operator's household may be used to supplement farm business deficiencies.

Marginal solvency. These businesses have positive incomes and a debt/asset ratio above 0.40. Farms in this category generate positive returns, despite higher debt service requirements. While not experiencing earnings difficulties at the present time, these farms are susceptible to economic changes that may erode incomes and prevent them from meeting future cash commitments. At current asset values, equity on these farms may be insufficient to serve as security for additional borrowing to meet shortrun cash needs.

## Assets

#### **Current business:**

Cash and checking accounts Notes/accounts receivable Marketable bonds Hedging account equity Savings and time certificates Livestock held for sale Crops held for sale and feed Value in growing crops Farm supplies Prepaid expenses Other current assets

#### Intermediate business:

Machinery and equipment Breeding livestock Securities not marketable Movable farm structures Other intermediate assets

#### Long-term (fixed) business:

Farm real estate Permanent buildings and improvements Other fixed assets

#### Liabilities

#### Current business:

Liabilities with an original term of less than 1 year owed to: Production credit associations Farmers Home Administration Commercial banks Federal land banks Merchants, dealers, and co-ops Life insurance companies Other individuals Commodity Credit Corporation (storage and drying loans) Any other lenders

#### Intermediate business:

Liabilities with an original term of 1-10 years owed to: Production credit associations Farmers Home Administration Commercial banks Federal land banks Merchants, dealers, and co-ops Life insurance companies Other individuals Commodity Credit Corporation (storage and drying loans) Any other lenders

#### Long-term (fixed) business:

Liabilities with an original term of more than 10 years owed to: Production credit associations Farmers Home Administration Commercial banks Federal land banks Merchants, dealers, and co-ops Life insurance companies Other individuals Commodity Credit Corporation (storage and drying loans) Any other lenders

# Appendix figure 3 Joint distribution of farms by income and solvency position

	Debt/asse	et ratio
ncome measure	0.0 - 0.40	Above 0.40
Net farm income (NFI)	Positive	income
Net cash farm income (NCF!)	Favorable	Marginal solvency
Net cash income from all sources (NCIFAS)		
let farm income (NFI)	Negative	income
Net cash farm income (NCFI)	Marginal	Vuinerable
Net cash income from all sources (NCIFAS)	Income	<i>Tumerasi</i> e

Vulnerable. These businesses have negative income and debt/asset ratios above 0.40. These farms are highly leveraged and demonstrate income deficiencies that diminish the viability of their business operations. They do not generate sufficient income either to meet current expenses or to reduce existing indebtedness. The highly leveraged positions of these farms may have resulted from disproportionate reductions in asset values relative to the amount of outstanding liabilities, increased indebtedness to fund past expansion or cash-operating shortfalls, or a combination of these factors. Regardless of the evolution of financial circumstances leading to their current highly leveraged position, these farmers may be forced to rely on debt restructuring/forgiveness to continue operating. But even then, cash earnings may not fully service all debt obligations.

Farms that are in a favorable position by one income measure will not necessarily be in a favorable position by another income measure. For example, a farm may have a good short-term cash position (positive net cash income) as a result of selling inventories and consuming the farm's capital stock. Yet, a farm may have a poor short-term cash position as a result of holding inventory for sale at a later date. Thus, considering both short-term cash and longer term profit measures is necessary to obtain a comprehensive understanding of financial performance. Moreover, some measures may understate the financial difficulties of highly leveraged operations to the extent that debt repayment is excluded. Placing a farm or ranch in a favorable financial position by one income measure relative to another will depend on the importance of farm earnings in total family income and on the magnitude of nonmonetary adjustments to income.

#### **Financial Ratio Analysis**

Ratio analyses, by expressing relationships between the income and balance sheet statements in percentage terms, provide a relative basis for monitoring and comparing the financial strength of farm businesses or farm operators. A limiting constraint for successful use of ratio analysis has been the lack of well-established standards for comparison and what constitutes acceptable deviation from these norms. However, since ratios conveniently summarize information contained in financial statements, they are used by farmers, lenders, and others with an interest in agricultural financial management. Financial ratios used in this report are described in appendix figure 4.

Debt service coverage ratios and debt servicing ratios indicate a farm's ability to generate sufficient cash to meet financial commitments without disrupting business operations. The ratio of farm business debt service coverage is defined as net cash farm income plus interest payments, divided by debt service costs (interest expense plus principal repayment). The ratio is also calculated in the same manner and considers income from all sources. These ratios indicate the farm's ability to service debt out of annual cash income. The debt service ratio is defined as annual principal plus interest payments, divided by gross cash farm income. This ratio indicates the share of a farm's or ranch's gross income needed to service debt. Low values indicate a greater ability to meet debt commitments.

The debt/asset and leverage ratios are used to measure solvency. The debt/asset ratio is defined as total liabilities divided by total assets. The leverage ratio is defined as farm business liabilities divided by farm business net worth. These ratios indicate the risk associated with the operation's financial structure. Associated with debt is an obligation to pay principal and interest. In addition, high levels of debt relative to owner equity may mean that additional credit is either hard to obtain or is only available at relatively high interest rates. While debt increases a farm's financial risk, if debt service commitments are met by earnings, then benefits may accrue to owners using the debt.

Two measures of returns (rate of return on assets and rate of return on equity) and a profit margin ratio are used to assess profitability of the farm business. These ratios show earnings in relation to the asset or equity base that is used in production, allowing profitability to be compared across types and sizes of farm operations.

Rate of return on equity equals net farm income minus estimated charges for operator labor and management, divided by net worth. This ratio indicates the relationship between net profits and equity of the farm business. A negative return on equity is a relative measure of financial stress. The absolute size of the ratio roughly measures the rate at which a farm business is adding to or consuming from its own capital stock. Rate of return on assets is defined as net farm income plus interest expenses minus estimated charges for operator labor and management, divided by total assets. This ratio reveals the returns received by the farm operator for both debt and equity capital invested. The profit margin ratio is calculated as net farm income divided by production value and indicates the farm operator's ability to control the level of farm business costs relative to the volume of revenues generated.

Several ratios are calculated to measure a farm's financial efficiency. These include the gross ratio, the ratio of interest expense to gross cash income, the asset turnover ratio, and the debt burden ratio. The gross ratio equals cash operating expenses divided by gross cash income of the farm business. This ratio measures the extent to which the cash income generated by the business is absorbed by the annual costs of production. The lower the ratio is, the more effective the farm operation is in generating returns. Interest expenses divided by gross cash farm income shows the proportion of cash income used for interest payments. This ratio reflects the burden of debt on a farm operator's cash-flow. The asset turnover ratio, which is calculated as the farm production value divided by total farm assets, measures the income generated per dollar of assets used in production. The debt burden ratio is calculated by dividing net cash farm income by total debt outstanding. This ratio indicates the burden placed on net income to retire outstanding debt.

# Appendix figure 4 Definition of financial ratios

Ratio	Computation method	Significance
Solvency ratios:		
Leverage	Farm business liabilities Farm business net worth	Measures the relative proportion of funds invested by creditors and owners
Debt/asset	Farm business liabilities Farm business assets	Indicates the degree of security for the lender and the relative use of the owner's capital
Coverage ratios:		
Times interest earned	NFI before interest and taxes Interest payments	Measures the farm business' ability to service debt out of net income
Debt service coverage	NCFI + interest payments Interest + principal payments	Measures the farm business' ability to repay both interest and principal
Debt servicing	Interest + principal Gross cash farm income	Measures the share of the farm business' gross income needed to service debt

Continued--

# Appendix figure 4 Definition of financial ratios--Continued

Ratio	Computation method	Significance
fficiency ratios:		
Assset turnover	Value of farm production Total farm assets	Measures the gross farm income generated per dollar of farm business assets
Debt burden	NCFI Total liabilities	Measures the burden placed on net cash farm income to retire outstanding debt
Gross	Cash operating expenses Gross cash farm income	Measures the proportion of gross cash farm income absorbed by cash operating expenses
Interest to gross cash income	Interest Gross cash farm income	Measures the share of gross cash farm income committed to interest payments
rofitability ratios:		
Return on assets	Returns to debt and equity capital Total farm business assets	Measures how efficiently the farm business uses its assets
Return on equity	Returns to equity capital Farm business net worth in the farm business	Measures the returns to equity capital employed
Profit margin	NFI Value of farm production	Measures profits earned per dollar of the value of farm production

# Appendix II--Farm Numbers and Extension of Financial Performance Measures To Include All USDA Farm Numbers

## **Farm Numbers**

The 1988 FCRS gives an expanded number of 1.77 million farms, compared with 1.68 million for 1987 (app. table 1). A farm is defined as any place that sold or normally would have sold \$1,000 or more of agricultural products. Since 1987, the survey's definition of a farm has been identical to the definition used by USDA in determining the official number of farms and land in farms. The official USDA number of farms was estimated to be 2.2 million on June 1, 1988. Based on questions that establish whether a farm might have sold \$1,000 in farm commodities (as opposed to actual sales), 239,000 farms were added to the FCRS farm count in 1988 (app. table 2).

In order to determine whether farms with less than \$1,000 in sales have potential future sales of this magnitude, respondents were asked to list all crop acreage and numbers and species of livestock. These were valued, and farms that had a total value exceeding \$1,000 qualified as farms (also denoted as point farms). As a result of these procedures, the FCRS estimate of farm numbers more closely approximates the official USDA estimate. For example, the 1986 FCRS accounted for 70 percent of the 2.25 million official USDA estimate of farms, while the 1988 FCRS represented 81 percent of the official number of farms.

Most of the FCRS undercount of farm numbers has traditionally been for the small economic classes, particularly for farms that had less than \$10,000 in gross sales. For example, the official USDA farm numbers indicated that 1.12 million farms had sales over \$10,000, while the FCRS indicated 965,700 farms (87 percent of the USDA total). The FCRS expanded estimate of farms with less than \$10,000 in gross sales was 277,000 less than the official USDA estimate. In contrast, the FCRS estimate represented just over 100 percent of the official number of farms with sales over \$100,000. The FCRS compared favorably with the 1987 Census of Agriculture farm number estimates, producing an estimate of farms equal to 99.6 percent of the census number with sales over \$100,000 and 88.9 percent of the number with sales over \$10,000.

The FCRS results on farm numbers showed about 92,000 more farms on January 1, 1988, than on January 1, 1987. This increase was primarily due to changes in area-frame samples initiated in several States for the 1988 FCRS. Comparable sampling frames were used for the FCRS and other NASS (USDA's National Agricultural Statistics Service) surveys in 31 States during the 1988 survey, up from 14 States in 1987 and 7 States in 1986. The change in farm numbers differed across sales classes, with farm numbers increasing in both the larger and smaller classes. The increase in the number of larger farms came from an increase in sales volume, particularly for livestock farms, while the increase in the number of smaller operations, particularly those with sales less than \$5,000, showed the influence of the procedural changes.

To determine statistically significant differences between farm numbers in 1987 and 1988, a t-test was conducted across sales classes (app. table 3). Using the two-tailed, 5-percent confidence cutoff of 1.96, the only significant changes in farm numbers were for farms with sales of \$500,000 or more and the estimate for all farms. If comparable procedures had been used, significant changes would have been unlikely, given that the largest increases occurred for the smallest economic classes, those most affected by procedural changes. This formal test of statistical significance agrees with the more casual observation of absolute changes in farm numbers.

# Extension of Financial Performance Measures To Include USDA Farm Number Series

Given that the FCRS accounted for 81 percent of total farm numbers as officially estimated by USDA, a question arises about the number of farms that may be encountering financial problems if the FCRS financial performance indications are extended to the official farm number series. The process used to calculate the number of farms in a favorable, marginal, or vulnerable position for the official farm number series was based on the ratio of USDA farms to FCRS farms by economic class. This ratio, indicating the amount of undercount by farm size, was then used to develop an adjusted expansion factor for each farm, depending on its economic class.

Farms were then reclassified into financial performance categories using the adjusted expansion factors. The data indicated that approximately 112,600 farms were classified as vulnerable, based on their combined net farm earnings and debt/asset ratio position at the beginning of 1989, as opposed to 101,000 at the beginning of 1988 and 204,000 at the beginning of 1987. The FCRS indicated that about 94,000 farms were in vulnerable position, using the same criteria. In 1987, the FCRS indicated that about 82,000 farms were in a vulnerable position.

Thus, a direct result of incorporating the farm screening procedure used by USDA into the FCRS is a tighter relationship between the estimated number of farms in a difficult financial position as indicated by the FCRS and an extension of these results to the estimate of the official number of farms.

Economic			19	987			1	1988
class	FCF	RS <u>2</u> /	USI	DA <u>3</u> /	Cens	ius <u>4</u> /	FCRS <u>2</u>	/ USDA <u>3</u> /
	Number	<u>Percent</u>	Number	Percent	Number	<u>Percent</u>	<u>Nur</u>	nber
\$500,000 or more	28,588	1.7	<u>5</u> /	<u>5</u> /	na	na	34,831	<u>5</u> /
\$250,000-\$499,999	66,938	4.0	88,518	4.0	na	na	70,449	92,280
\$100,000-\$249,999	199,123	11.9	212,444	9.6	na	na	207,786	217,517
\$40,000-\$99,999	255,456	15.2	316,453	14.3	na	na	248,665	311,994
\$20,000-\$39,999	197,091	11.7	234,574	10.6	na	na	194,099	248,277
\$10,000-\$19,999	194,449	11.6	241,213	10.9	na	na	209,844	246,080
100.000 or more	294,649	17.6	300,963	13.6	295,721	14.2	313,066	309,797
\$10,000-99,999	646,999	38.6	792,240	35.8	763,852	36.6	652,608	806,350
Less than \$10,000	735,491	43.4	1,119,758	50.6	1,028,186	49.2	803,780	1,080,993
All farms	1,677,136	100.0	2,212,960	100.0	2,087,759	100.00	1,769,454	2,197,140

Appendix table 1--Estimated number of farms by economic class 1/

na = Not available.

1/ Numbers may not add due to rounding. 2/ Farm Costs and Returns Survey, USDA. 3/ USDA, National Agricultural Statistics Service. 4/ 1987 Census of Agriculture, U.S. Department of Commerce. 5/ The values for the two largest economic classes are combined and reported in the \$250,000-\$499,999 category.

		1988				1987	
Economic class	Qualified by sales	Qualified by points	Total		Qualified by sales	Qualified by points	Total
				Number			
\$250,000 or more	105,280	0	105,280		95,526	0	95,526
\$100.000-\$249.999	207.213	574	207,787		198,713	410	199,123
\$40,000-\$99,999	247.064	1,601	248,665		253,964	1,492	255,456
\$20,000-\$39,999	191,024	3,076	194,100		194,797	2,294	197,091
\$10,000-\$19,999	201,491	8,353	209,844		187,812	6,637	194,449
\$5.000-\$9.999	202,818	30,297	233,115		193,904	22,167	216,071
\$1,000-4,999	375,343	195,322	570,665		357,494	161,926	519,420
All farms	1,530,233	239,221	1,769,454		1,482,210	194,926	1,677,136

Appendix table 2--Distribution of FCRS farm operations by farm qualification status

Apppendix table	3Distribution	of	expanded r	number	of	farms	by	economic	class

Economic		Expanded number of farms		C.V. <u>1</u> /		ge,	Estimated
class	1987	1988	1986	1987	1987		t-statistic
	<u>N</u>	umber	Per	cent	Number	<u>Percent</u>	Number
\$500,000 or more	28,588	34,830	6	5	6,243	22	2.72
\$250,000-\$499,999	66,938	70,449	5	4	3.511	5	.85
\$100,000-\$249,999	199,123	207,786	3	3	8.664	4	1.08
\$40,000-\$99,999	255,456	248,665	3	3	-6.791	-3	62
\$20,000-\$39,999	197,091	194,100	4	5	-2,991	-2	24
\$10,000-\$19,999	194,449	209,844	5	5	15.396	8	1.05
\$5,000-\$9,999	206,688	215,965	5	5	9.277	5	. 59
Less than \$5,000	528,803	587,814	4	4	59,011	11	1.91
All farms	1,677,136	1,769,454	2	2	92,319	6	1.96

 $\underline{1}$ / The coefficient of variation (C.V.) provides an indication for the reliability of the estimate. The smaller the C.V., the greater the reliability of the estimate. Source: Farm Costs and Returns Surveys, USDA.

Appendix table 4--Estimated distribution of 1988 USDA farm numbers by net farm income and solvency position

Item		Income/solv	ency position	
i ceni	Favorable	Marginal income	Marginal solvency	Vulnerable
		Per	cent	
All farms	67.39	19.61	7.78	5.22
Economic class:				
\$250,000 or more	59.48	15.90	16.73	7.89
\$100,000-\$249,999	60.78	15.55	16.50	7.17
\$40,000-\$99,999	63.40	16.90	12.17	7.53
\$20,000-\$39,999	61.29	24.82	7.87	6.03
\$10,000-\$19,999	69.33	21.70	5.80	3.16
\$5,000-\$9,999	71.26	21.17	3.97	3.59
Less than \$5,000	71.26	19.58	4.71	4.46
Production specialty:				
Cash grains	61.97	19.15	12.00	6.88
Tobacco	77.55	11.27	6.08	5.10
Cotton	70.26	14.30	9.88	5.56
Other field crops	72.59	11.00	9.71	6.70
Vegetables, fruit, nuts	70.77	17.11	6.69	5.44
Nursery, greenhouse	66.89	19.72	.5.34	8.05
Beef, hogs, sheep	68.93	22.12	4.93	
Poultry	59.99	8.74	21.65	4.03
Dairy	64.03	15.26	21.05	9.62
Other livestock	53.80	34.32		5.98
other investock	33.80	34.32	6.67	5.20
Region:				
Northeast	70.97	19.27	6.11	3.65
Lake States	58.50	21.75	12.75	7.00
Corn Belt	64.95	20.63	7.86	6.56
Northern Plains	63.26	16.88	13.18	6.68
Appalachian	75.58	16.59	5.24	2.60
Southeast	72.81	18.82	5.02	3.35
Delta	76.95	13.74	5.57	3.74
Southern Plains	60.28	27.84	6.46	5.42
Mountain	69.40	15.67	9.01	5.91
Pacific	64.75	18.91	8.60	7.74

Appendix table 5-Estimated	distribution of	1988 USDA	farm numbers by net	
cash farm income and solven	cy position			

-	Income/solvency position						
Item	Favorable	Marginal income	Marginal solvency	Vulnerable			
		Per	<u>cent</u>				
All farms	43.72	43.28	6.03	6.97			
Economic class:							
\$250,000 or more	63.81	11.57	18,09	6.53			
\$100,000-\$249,999	63.74	12.58	18.27	5.40			
\$40,000-\$99,999	63.06	17.24	13.27	6.43			
\$20,000-\$39,999	56.65	29.45	6.79	7.11			
\$10,000-\$19,999	50,11	40.92	3.94	5.03			
\$5.000-\$9.999	46.49	45.94	1.35	6.21			
Less than \$5,000	23.74	67.10	.85	8.31			
Production specialty:							
Cash grains	53.47	27.65	11.37	7.51			
Tobacco	53.15	35.67	3.25	7.93			
Cotton	65.35	19.21	10.10	5.34			
Other field crops	41.94	41.65	5.37	11.03			
Vegetables, fruit, nuts	46.31	41.56	3.31	8.82			
Nursery, greenhouse	44.14	42.47	3.28	10.12			
Beef, hogs, sheep	37.24	53.80	3.05	5.90			
Poultry	48.44	20.29	17.99	13.28			
Dairy	64.18	15.10	16.97	3.75			
Other livestock	23.23	64.90	2.17	9.70			
Region:							
Northeast	39.92	50.32	4.54	5.22			
Lake States	48.05	32.20	10.36	9.39			
Corn Belt	51.39	34.19	7.17	7.25			
Northern Plains	58.13	22.01	13.26	6.60			
Appalachian	43.82	48.34	3.07	4.76			
Southeast	37.14	54.48	3.15	5.22			
Delta	41.79	48.90	4.56	4.75			
Southern Plains	35.21	52.91	5.46	6.42			
Mountain	43.50	41.58	5.90	9.02			
Pacific	30.90	52.76	3.15	13.18			

Item		Income/solv	ency position	
	Favorable	Marginal income	Marginal solvency	Vulnerable
		Per	cent	
All farms	48.39	38.61	6.41	6.58
Economic class:				
\$250,000 or more	61.13	14.25	14.35	10.27
\$100,000-\$249,999	58.07	18.25	11.94	11.73
\$40,000-\$99,999	52.25	28.05	7.57	12.13
\$20,000-\$39,999	51.05	35.06	4.38	9.51
\$10,000-\$19,999	46.38	44.65	4.81	4.16
\$5,000-\$9,999	47.40	45.04	3.19	4.37
Less than \$5,000	43.30	47.53	5.68	3.48
Production specialty:				
Cash grains	52.88	28.24	9.41	9.47
Tobacco	38.36	50,46	4.24	6.94
Cotton	58.27	26.30	7.88	7.56
Other field crops	47.70	35,90	7.48	8.93
Vegetables, fruit, nuts	52.18	35.69	7.55	4.57
Nursery, greenhouse	60,69	25.92	6,92	6.47
Beef, hogs, sheep	46.64	44.40	4.52	4.44
Poultry	48.88	19.85	17.56	13.71
Dairy	49.50	29.79	8.79	11.92
Other livestock	47.51	40.62	6.73	5.15
Region:				
Northeast	52.61	37.63	4.68	5.08
Lake States	47.92	32.33	10.34	9.41
Corn Belt	48.92	36.66	6.36	8.06
Northern Plains	50.29	29.85	8.79	11.07
Appalachian	42.21	49.95	4.14	3.69
Southeast	46.48	45.15	4.70	3.68
Delta	44.39	46.30	5.03	4.28
Southern Plains	52.71	35.41	4.33	7.54
Mountain	51.08	34.00	7.35	7.57
Pacific	51.46	32.20	11.31	5.03

# Appendix table 6--Estimated distribution of 1988 USDA farm numbers by net cash income from all sources and solvency position

# Appendix III--Survey Design and Respondent Characteristics

# Survey Design

Data for this report were obtained from the 1988 FCRS conducted in February and March 1989 by NASS. The FCRS is an integrated survey that combines multiple versions of a questionnaire to simultaneously obtain data for cash receipts and other farm revenues, production expenses, capital purchases, farm asset and inventory values, liabilities owed to various lenders, and other financial data; specific production practices in sufficient detail to develop enterprise budgets for cost of production analysis; and type of operation and operating characteristics.

The FCRS is a complex multiframe probability-based survey. Since the FCRS is a probability sample, each respondent represents a number of other farms of a similar size and type. Estimates based on a sample differ from data that would have been obtained if a complete enumeration had been taken. These differences result from sampling variability.

Sampling variation that occurs by chance can be measured to provide a perspective on data reliability. Survey estimates are also subject to a variety of potential nonsampling errors. Steps were taken to minimize nonsampling errors by pretesting survey forms; training survey statisticians and enumerators on survey design, content, and use; and undertaking a comprehensive data edit and analysis effort at both State and national levels. Both computerized and hands-on review efforts were used to ensure completeness and logical consistency of questionnaires. Respondents and enumerators were contacted to verify data as a last resort.

The sample consists of two frames: a list frame of operators stratified by economic size and other attributes and an area frame consisting of all land segments in a State stratified by land use type. The area frame contains all U.S. land units, and a probability sample from it would provide unbiased estimates. However, a relatively small proportion of farm or ranch operators account for the majority of expenses, receipts, and other economic items. Thus, sampling these large agricultural producers with a list frame is more efficient. The area frame accounts for incompleteness in a list frame. The multiple-frame approach to sampling uses desirable attributes of both frames. The FCRS used 12 questionnaire versions for 1988 to obtain detailed whole-farm data for all survey respondents plus enterprise-specific data for flax, oat, sugar beet, sugarcane, rice, and swine production. Two questionnaire versions were devoted entirely to detailed revenue, expenditure, and financial data. The enterprise-specific questionnaire versions contained aggregate expense and financial data in addition to detailed enterprise production questions for the six types of operations.

One version of the questionnaire collected only aggregate expense and financial data, while another version collected aggregate farm data plus additional information related to the characteristics of the farm operator, the spouse, and the farm household. There were 26,000 combined list- and area-frame survey contacts expected for the 1988 FCRS. Contacts among the survey versions were as follows: aggregate, 2,001 farms; expenditures, 11,972 farms; operator resources, 6,000 farms; flax, 399 farms; oats, 1,200 farms; sugar beets, 1,257 farms; sugarcane, 171 farms; rice, 1,098 farms; and hogs, 1,902 farms. A farm was defined as an establishment that either sold or normally would have sold at least \$1,000 worth of agricultural products during the previous year.

Two national survey statistician (persons responsible for monitoring survey activities at the State level) training schools were held from January 10-13 and January 24-27, 1989, followed by State-level enumerator training schools. Data enumeration began after the State training schools and lasted until March 31, 1988.

The completion rate was 73 percent for the survey as a whole, identical to the rate in 1988. The refusal rate was 19 percent, about the same as in previous surveys. The completion rate varied considerably by frame and questionnaire version. The area-frame completion rate was 78.8 percent, while the list frame had a 71-percent completion rate. The lower response rate for the list frame likely reflects its focus on larger enterprises. By version, the highest completion rates were for the detailed expenditure (84.4 percent) and farm operator resource area-frame sample (84 percent). The lowest response rate was for the hog version (63 percent).

About 31 percent of interviews took less than 1 hour to complete; 1.6 percent of interviews took 4 hours or longer. Questionnaires designed to obtain both whole-farm financial data as well as detailed enterprise data tended to take more time to complete than did other survey versions.

Appendix table 7--Completion rate and length of interview, 1988 FCRS

Survey	Completion		Length o	fintervie	ew (hours	)	Average
version rate	rate	Under 1	1-2	2-3	3-4	Over 4	time
			Percen	<u>t</u>			<u>Minutes</u>
Expenditure A <u>1</u> /	84.4	58.8	35.8	4.6	0.4	0.4	64
Expenditure B 2/	70.1	31.0	51.3	14.4	2.5	.8	89
Flax COP <u>3</u> /	74.7	19.9	57.9	19.2	2.6	. 4	98
Oat COP <u>3</u> 7	72.9	22.6	57.3	17.3	2.1	.7	95
Sugarbeet COP 3/	75.8	7.7	27.6	35.1	17.3	12.2	157
Sugarcane COP (LA) <u>3</u> /	79.5	6.7	44.9	37.1	7.9	3.4	128
Sugarcane COP (TX) <u>3</u> /	75.0	17.6	23.5	29.4	14.7	14.7	150
Rice COP 3/	72.8	12.2	46.8	32.7	6.0	2.3	117
Hog COP <u>3</u> 7	63.0	11.3	45.4	31.0	8.0	4.2	124
Farm operator A 1/	84.0	48.2	45.4	5.6	.4	.4	70
Farm operator B $\overline{2}/$	69.8	23.4	55.6	17.2	2.6	.8	95
Trial aggregate	74.4	32.8	51.6	13.3	1.5	.7	86
All versions	73.0	30.7	48.0	16.3	3.4	1.6	93

1/ Area frame based on Agricultural Economic Survey (AES) segments.

2/ Area frame based on June Enumerative Survey (JES) segments.

 $\overline{3}$ / Cost of production (COP) versions.

#### **Operating Characteristics**

The FCRS provides information on the financial characteristics, tenure, business organization, capital expenditures, production expenses, receipts, resource base, and production practices of farms and ranches. In addition to the data for farm businesses, some data are obtained for the farm operator and the farm household. These data include characteristics such as age, education, number of dependents, primary occupation, and nonfarm income. These data provide a more comprehensive picture of the distributional attributes of farm sector participants. This section presents selected economic characteristics of farm operations drawn from the 1988 FCRS and, where appropriate, compares them with other secondary sources.

#### **Production Specialties Represented**

Farmers were asked to classify their operation based on the percentage of the total gross sales provided by major commodity groups during 1988. All major types of farms were reported by respondents (app. fig. 5). Farms specializing in crop production accounted for 38.6 percent of farms, and livestock producers accounted for 61.4 percent (app. table 8). This represented a decline in the proportion of farms that identified themselves as crop operations. Since 1985, farms identifying themselves as primary crop operations have declined 9 percent. The proportion of farmers classifying their operations as beef, hog, or

sheep farms totaled 48.7 percent, a continuation of the increases shown in the past 3 years. The 1988 results reflect both the increased number of farms captured by the survey and the generally favorable earnings situation for livestock commodities in 1988. The proportion of farms classifying themselves as dairy operations decreased in 1988, perhaps reflecting effects of the dairy-herd buyout program and higher relative earnings for other commodities produced on farms with dairy enterprises. The proportion of farmers classifying their farms as cash grain operations fell to 19.3 percent from 21.7 percent in 1987. Since 1985, the proportion of farms identifying themselves as a cash grain farm has decreased by about 25 percent. Beef, hog, or sheep farms have increased by a similar amount, showing how changes in production practices or prices can alter how a farm may be classified. The most common types of farms continued to be beef, hog, or sheep and cash grain farms.

Appendix table 9 illustrates how the distribution of farms by production specialty may change when based on a current-sales definition. The most recent shift in farm types and the change between 1985 and 1988 were greatest for cash grain and livestock farms. Farm types characterized by a specialized and relatively fixed production technology, such as vegetable farms, nurseries, and poultry operations, have remained fairly stable as a percentage of total farm numbers.

Production specialty:	Commodities:				
Cash grains	Corn, sorghum, small grains, flax, soybeans for beans, cowpeas for peas, and dry edible and seed beans, peas, and rice				
Торассо	Tobacco				
Cotton	Cotton				
Other field crops	Peanuts, Irish potatoes, sunflowers, sweetpotatoes, sugarcane, broomcorn, popcorn, sugar beets, mint, hops, seed crops, hay, silage, and forage				
Vegetables, fruit, and nuts	All vegetable and melon crops, citrus and noncitrus tree fruit, other small fruit, berries, grapes, and nuts				
Nursery and greenhouse products	Nursery and greenhouse products, and Christmas trees				
Beef, hogs, or sheep	Cattle, calves, hogs, sheep, goats, and wool and mohair (excluding dairy cattle)				
Poultry	Chickens, eggs, turkeys, ducks, and poultry products				
Dairy	Milk and cream plus sale of dairy cows, heifers, calves, and dairy bulls				
Other livestock	Mules, horses, foals, and ponies; fur farms; bees and honey; fish; and other uncategorized products				

#### Appendix table 8--Distribution of farms by production specialty, 1988

Production specialty	Share of farms		
Cash grains	19.3		
Tobacco	4.3		
Cotton	1.2		
Other field crops	7.2		
Vegetables, fruit, nuts	4.7		
Nursery, greenhouse	2.0		
Beef, hogs, sheep	48.7		
Poultry	1.5		
Dairy	8.1		
Other livestock	3.1		
All crop	38.6		
All livestock	61.4		

Source: 1988 Farm Costs and Returns Survey, USDA.

Appendix table 9--Distribution of farms by type of farm  $\underline{1}/$ 

Farm type	1988 FCRS	1987 FCRS	1986 FCRS	1985 FCRS	1982 Census of Agriculture
			Percent		
Crop	38.6	40.9	40.1	42.3	46.1
Cash grains	19.3	21.7	23.4	25.7	25.7
Field crops <u>2</u> / Vegetables, fruit,	17.7	12.2	10.0	10.8	11.3
nuts Nursery,	4.7	5.0	5.1	4.3	5.2
greenhouse	2.0	2.0	1.6	1.5	1.6
Livestock Beef, hogs,	61.4	59.1	59.9	57.6	53.9
sheep	48.7	43.0	42.5	39.1	40.4
Dairy	8.1	9.2	11.7	11.3	7.3
Poultry	1.5	1.7	1.8	2.1	1.9
Other livestock	3.1	5.2	3.9	5.1	4.3

Numbers may not add due to rounding. Includes tobacco, cotton, and other crop farms.  $\frac{1}{2}$ 

#### Distribution of Farms Among Production Regions

The most common farm types varied considerably among regions (app. table 10). Cash grain farms, while accounting for 19.3 percent of farms nationwide, constituted 43.1 percent of farms in the Northern Plains, 41.4 percent in the Corn Belt, and 24.9 percent in the Lake States. These three regions accounted for 73.4 percent of all cash grain operations, with the Corn Belt having 40.4 percent of this farm type. Dairy farms were concentrated in the Lake States (31.3 percent of farms) and Northeast (26.2 percent). Together, these two regions accounted for 65.5 percent of all dairy farms. Vegetable, fruit, and nut farms were located primarily in the Pacific, Northeast, and Southeast regions. The majority of tobacco farms (90 percent) were located in the Appalachian region, but represented only 24.7 percent of the region's total number of farms. Half of the farms in this region were beef, hog, or sheep operations. At least one in five farms in all regions was a beef, hog, or sheep operation. Concentrations of these farms also occurred in the Delta and Southern Plains.

While all farm types except tobacco and cotton may be found in every region, each had dominant farm types that reflect relatively stable production patterns. Thus, the same farm types tend to be prominent within a region's agriculture over time. In the Corn Belt and Northern Plains for example, cash grain and beef, hog, or sheep operations accounted for nearly 90 percent of farms in both 1988 and 1987. In both regions, there was more change between these farm types than among these and other types of farms present in the region. These changes may be characteristic of changes in prices received or unanticipated variations in production, such as those caused by drought, rather than planned changes in production practices.

Nationally, farms with sales less than \$10,000 accounted for 45.4 percent of all farms. These smaller farm operations were especially prominent as a percentage of all farms in the Appalachian (66 percent), Southeast (64.1 percent), and Delta (61.1 percent) regions. Appalachian, Southern Plains, and Corn Belt regions had the largest absolute number of farms with sales less than \$10,000, and together accounted for nearly half of all farms in this category. In comparison, these three regions had 46.9 percent of all farms. At the opposite extreme, the Pacific, Mountain, and Northern Plains had the largest share of farms with sales over \$500,000. The Pacific region also had the largest absolute number of farms in this size group, followed by the Corn Belt. In all economic classes between \$20,000 and \$500,000, the Corn Belt had the largest absolute number of farms, while the Northern Plains had the highest percentage share. This was particularly evident for economic classes between \$40,000 and \$250,000, a farm size associated with cash grain production.

## Distribution of Income and Expenses by Production Specialty

The distribution of crop cash receipts between crop and livestock farms showed very little change from 1987 results, with crop farms having 1 percent less in cash receipts from crop commodities. Livestock farms earned 55.4 percent of 1988 gross cash farm income, an increase of 5 percent in the share of gross income earned in 1987 (app. table 11). Livestock farms, which accounted for 61.4 percent of all farms in 1988, earned a less than proportionate share of gross earnings due to the relatively small economic size of a large percentage of livestock operations (particularly beef, hog, or sheep since they were 57 percent of farms with less than \$10,000 in gross sales). Livestock receipts were also slightly more concentrated on livestock farms in 1988, increasing from 92.3 percent in 1987 to 93.5 percent in 1988. Both cattle and hog receipts were slightly lower on crop farms.

The results for the 1988 distribution of cash receipts illustrate the relative specialization in production of some commodity groups. Less than 2 percent of nursery and greenhouse or vegetable, fruit, and nut receipts were generated by livestock farms. Conversely, less than 1 percent of dairy receipts was earned by crop farms. These distributions have held fairly consistent over time, reflecting the tendency for grain farms to have some livestock and for livestock farms to sell rather than feed all grain produced.

Crop farms received 69.4 percent of cash payments from commodity programs in 1988, and livestock farms received the remainder. Government payments were also much more important as a source of gross income to crop farms, accounting for more than 13 percent of gross cash income compared with 4.6 percent for livestock farms.

Just as crop farms accounted for a smaller share of farms in 1988, they accounted for a smaller percentage of farm operating expenses. Crop farms had a smaller share of all expense categories except hired labor and feed expenses than in 1987.

Region and unit	Cash grains	Tobacco	Cotton	Other N field crops	/egetable fruit, nuts	s, Nursery, greenhouse	Beef, hogs, sheep	Poultry	Dairy	Other livestock	All farms
						Percent					
Northeast:											
Percent in region	3.1	d	d	18.1	12.9	22.4	3.6	8.1	23.3	12.1	7.2
Percent of type	8.4	d	d	18.2	8.5	6.2	24.6	1.8	26.2	5.3	100. <b>0</b>
Percent of all farms	.6	d	d	1.3	.6	.4	1.8	.1	1.9	.4	7.2
Lake States:											
Percent in region	13.5	d	d	12.3	8.7	11.8	5.5	d	40.5	7.8	10.4
Percent of type	24.9	d	d	8.5	3.9	2.2	25.8	d	31.3	2.3	100.0
Percent of all farms	2.6	d	d	.9	.4	.2	2.7	d	3.3	.2	10.4
Corn Belt:											
Percent in region	40.5	d	d	5.3	2.2	12.0	17.9	d	13.1	9.6	18.8
Percent of type	40.3	d	ď	2.0	.6	1.3	46.3	d			
Percent of all farms	41.4	d	d				40.3	a d	5.6	1.6	100.0
Percent of all farms	/.8	a	a	.4	.1	.2	8.7	a	1.1	.3	18.8
Northern Plains:	10 5										
Percent in region	19.5	d	d	5.2	d	d	8.6	d	3.6	d	8.7
Percent of type	43.1	d	d	4.4	d	d	48.4	d	3.4	d	100.0
Percent of all farms	3.7	d	d	.4	d	d	4.2	d	.3	d	8.7
Appalachian:											
Percent in region	5.2	89.8	4.4	10.3	6.1	9.4	16.4	23.9	6.6	21.2	15.7
Percent of type	6.3	24.7	.3	4.7	1.8	1.2	50.9	2.4	3.4	4.2	100.0
Percent of all farms	1.0	3.9	.1	.7	.3	.2	8.0	.4	.5	.7	15.7
Southeast:											
Percent in region	2.3	4.5	9.8	11.4	11.8	16.1	10.2	28.5	1.0	12.4	8.3
Percent of type	5.4	2.3	1.4	9.9	6.7	3.8	59.6	5.3	1.0	4.7	100.0
Percent of all farms	.5	.2	.1	.8	.6	.3	5.0	.4	.1	.4	8.3
Delta:											
Percent in region	4.0	d	20.4	3.0	d	d	8.0	d	1.5	3.5	5.8
Percent of type	13.5	d	4.1	3.7	d	d	67.8	d			
Percent of all farms	.8	d	.2	.2	d	d	3.9	d	2.1	1.9	100.0
	.0	u	. 2	.2	u	u	3.9	a	.1	. 1	5.8
Southern Plains:	6.0	L.	F2 7	0.0	• •			1			
Percent in region	6.3	b	53.7	9.2	2.6	d	17.8	d	4.7	17.1	12.4
Percent of type	9.8	d	5.0	5.4	1.0	d	69.7	d	3.0	4.3	100.0
Percent of all farms	1.2	ď	.6	.7	.1	d	8.7	d	. 4	.5	12.4
Mountain:			_								
Percent in region	3.5	d	5.3	17.3	4.6	d	5.8	d	2.0	7.3	5.5
Percent of type	12.4	d	1.1	22.8	4.0	d	51.3	d	3.0	4.2	100.0
Percent of all farms	.7	d	.1	1.2	.2	d	2.8	d	.2	.2	5.5
Pacific:											
Percent in region	2.1	d	5.3	7.9	47.3	19.4	6.2	d	3.6	d	7.3
Percent of type	5.6	d	.8	7.8	30.3	5.2	41.4	d	4.0	ď	100.0
Percent of all farms	.4	d	.1	.6	2.2	.4	3.0	ď	.3	ď	7.3
Total:											
Percent of all farms	19.3	4.3	1.2	7.2	4.7	2.0	48.7	1.5	8.1	3.1	100.0

d = Data insufficient for disclosure. Source: 1988 Farm Costs and Returns Survey, USDA.

Appendix table 11Distribution of selected sources of	income and expense items	s between crop and 1	livestock farms <u>1</u> /
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	Farm type				
Item	Crop	Livestock			
	Pe	rcent			
Gross cash farm income	44.6	55.4			
Crop receipts	90.0	10.0			
Grain, soybeans, rice <u>2</u> /	84.5	15.5			
Cotton	96,9	3.1			
Vegetables	96.9	3.1			
Fruit, nuts	98.7	1.3			
Nursery, greenhouse	99.8	.2			
All other crops <u>3</u> /	89.4	10.6			
Livestock receipts	6.5	93.5			
Cattle, calves	8.5	91.5			
Hogs	13.8	86.2			
Dairy	.6	99.4			
All other livestock <u>4</u> /	3.6	96.4			
Government payments	69.4	30.6			
Custom work, machine-hire	61.8	38.2			
All other farm-related	34.9	65.1			
Cash farm operating expenses	41.9	58.1			
Livestock purchased	8.3	91.7			
Feed	6.2	93.8			
Seed	72.2	27.8			
Fertilizers, chemicals	70.3	29.7			
Energy, petroleum	55.1	44.9			
Hired labor	63.9	36.1			
Custom work	66.5	33.5			
Rent	71.6	28.4			
Real estate interest	46.9	53.1			
Nonreal estate interest	45.9	54.1			
Property tax	45.1	54.9			
All other farm-related	38.0	62.0			

Numbers may not add due to rounding.

 $\frac{2}{1}$  Includes peanuts, flax, and sunflowers.

 $\frac{3}{1}$  Includes crops under marketing contract.

4/ Includes all livestock contracted out.

Source: 1988 Farm Costs and Returns Survey, USDA.

Cash and share rent, general farm business-related, and fertilizer and chemical expenses were the largest categories of expenses for crop farms. Feed and purchased livestock were the largest components of total expenses on livestock farms. Interest expenses were a larger share of total cash expenses on crop farms (10.2 percent) than on livestock farms (8.4 percent). In both cases, interest as a share of total expenses dropped from its 1987 level.

#### Selected Structural Characteristics of Survey Population

Selected characteristics of farms and farm operators are provided in appendix tables 12-17 by economic class, production value, acreage operated, farm type, region, and tenure of the operator. Average farm size reported in 1988 (acreage operated) was 468 acres, excluding land rented on an animal-unit-permonth basis (AUM basis), compared with 448 acres reported in 1987. Average acreage operated increased with farm size, regardless of whether size was measured by sales or production value. The largest farms in terms of acreage operated were cotton at 879 acres, cash grain at 613 acres, and beef, hog, and sheep at 553 acres. If AUM land rented for grazing were included, beef, hog, and sheep farms would be the second largest, at 743 acres. On average, livestock farms rented 190 acres of AUM land. The smallest farms in terms of acreage operated were nurseries and greenhouses, which averaged 60 acres per farm. In contrast to other farm types, nurseries and greenhouses owned almost all their acreage. The largest farms were located in the Mountain States, 1,462 acres (excluding AUM land) and 2,799 acres (including AUM land); Northern Plains, 1,101 acres (excluding AUM land); and Southern Plains, 757 acres (excluding AUM land). The smallest farms in terms of acreage were in the Northeast and Appalachian regions. When

classified by tenure, farm size varied much less than for any other measurement attribute, except for the full-owner-operated farm, which operates well below half the acreage of any other tenure group.

Total harvested cropland and the types of crops harvested varied considerably by farm size, operation type, and area of the country. For all farms, total harvested acreage per farm was 136 acres, compared with 140 acres in 1987. Harvested acreage increased across economic sales classes and ranged from a low of 14 acres on farms with less than \$10,000 in gross sales to 891 acres for farms with sales over \$500,000. Wheat, corn, and soybean production were relatively more important as a percentage of harvested acreage on farms with gross sales from \$100,000 to \$500,000. Measuring farm size by acreage operated indicates that wheat accounted for the largest share of acreage on the bigger farm operations. Cotton was a larger share of total acreage on farms with sales over \$500,000 than for smaller farms, particularly those with sales of \$40,000 or less. Farms with sales of less than \$10,000 harvested, on average, an acre or so of the major row crops like corn, wheat, or soybeans. These small farm operations also specialized in producing crops such as tobacco or fruit. Grains and soybeans were the predominant crops on cash grain and dairy farms. Cotton was grown almost exclusively on farms specializing in cotton production. Nursery and fruit, nuts, and vegetables were also grown almost entirely by specialized farm operations. The distribution of average harvested acreage of major crops by region tended to follow prior information about acreage harvested. Corn and soybeans were a large share of total harvested acreage in the Corn Belt and Lake States, while wheat and other grains in combination with corn and soybeans were a very large share of harvested acreage in the Northern Plains and Delta. Cotton was a large share in Southern Plains and Delta. Other crops, such as fruit, nuts, vegetables, nursery, and greenhouse products, were a large share in the Pacific and Northeast regions.

Gross income and expenses were positively related with farm size, regardless of measure. Average gross income ranged from a low of \$4,054 on farms of less than \$10,000 in gross sales to nearly \$1 million for farms in the largest economic class. Farms with sales of less than \$20,000, on average, reported cash operating expenses that exceeded income, indicating that a large portion of this group of farms would have negative net cash incomes. The average net cash income of farms with sales over \$500,000 exceeded \$213,000 per farm, down from \$284,000 in 1987. Farms with sales of less than \$20,000 accounted for 57 percent of all farms. This group of smaller farm operations had 5.9 percent of livestock sales and 3.4 percent of crop sales. These farms received 3.9 percent of Government payments. The relatively small share of crop sales and program payments earned by these smaller operations is consistent with their overall harvested acreage, especially their harvested acreage of program commodities, such as corn, wheat, and cotton.

Crop and livestock sales were concentrated on larger farm operations. The 2 percent of farms with sales over \$500,000 had 33 percent of livestock sales and 32 percent of crop sales. Farms with sales of \$100,000-\$249,999 had 27 percent of crop sales and 36 percent of Government payments.

Crop sales were most highly concentrated on cash grain and vegetable, fruit, and nut farms, together accounting for 57 percent of total crop sales. Nursery and greenhouse operations had another 14 percent of total crop sales. Beef, hog, or sheep and dairy operations had 89 percent of total livestock sales. Nearly 57 percent of Government payments were earned by the 19 percent of farms classified as grain farms. Livestock and dairy farms earned another 30 percent of program payments. The Corn Belt had both the largest share of livestock (19.7 percent) and crop sales (20.2 percent) and earned the largest share of payments (31.3 percent).

These earnings are consistent with the region's focus on grain and livestock production and the fact that the Corn Belt has the highest percentage of both grain and livestock farms of any region. The Pacific region had the second largest share of crop sales (18.2 percent) but earned only 3.8 percent of payments. This reflects this region's heavier focus on production of vegetables, fruit, and other nonprogram commodities. Livestock sales tended to be relatively concentrated on operations that were farmed either by full owners or farmers that owned at least half of the land operated. Crop sales were more concentrated on operations where the farmer owned either all of the land operated or less than 40 percent of the land operated. Government payments were slightly less concentrated in the full owner or full tenant class than were crop sales. Part owners tended to have a larger share of payments than crop sales, suggesting a higher rate of program participation by part owners than by full owners.

While farms in the lowest economic class reported, on average, low sales and high expenses, indicating negative net cash income, these farms had 50 percent of off-farm income earned by farm operators. Other larger farms earned much smaller shares of off-farm income with, for example, the largest 2 percent of farms with sales over \$500,000 having 2 percent of off-farm income.

Over 67 percent of farms with sales less than \$10,000 did not consider farming their primary occupation. This result is consistent with the large proportion of off-farm income earned by these farmers. The percentage of operators who considered farming their primary occupation increased dramatically with farm size. More than 9 out of 10 operators of farms with sales over \$100,000 considered farming their primary occupation, with the highest percentage being on farms with sales of \$250,000-\$499,999. These farmers also reported working the most hours per week at their farm business of any size class.

Dairy and cotton farms had the highest proportions (92 and 78 percent) of operators who declared farming their primary occupation. Dairy farmers also reported working the most hours per week, followed by cotton producers. Altogether, dairy producers worked nearly 3,500 hours per year on their farm operations, a result consistent with prior years' reported levels. Other field crop, other livestock, and tobacco farmers reported working the fewest hours per week (23 and 24 hours, respectively). These farm types also had the largest percentage of farm operators reporting something other than farming

as their primary occupation. The Northern Plains reported the largest percentage of full-time farm operators (80 percent), while the Appalachian, Southeast, and Delta regions had the lowest percentages. The Appalachian, the Southeast, and the Delta regions also reported the fewest hours worked per week. In a somewhat analogous result, full owners had the lowest share (46 percent) of operators who declared farming their primary occupation, followed by farmers who owned 81-99 percent of acreage operated (65 percent). Full owners tended, on average, to be older, to work fewer hours on the farm, and to have earned nearly 67 percent of off-farm income. Part owners were more likely to declare farming their primary occupation. The 24 percent of operators who owned between 1 and 60 percent of their acreage had larger harvested acreage of crops and accounted for 41 percent of crop sales and 47 percent of Government payments. These producers averaged 37-44 hours per week working on their farms or ranches, a result consistent with earning 19 percent of off-farm income.

The average reported age of operators in 1988 was 53 years, the same as reported in 1987. The 1987 Census of Agriculture reported an average farm operator age of 52 years. As with prior surveys, farmers with sales over \$40,000 tended to be younger than average, while operators of smaller farms were older.

Appendix table 12--Characteristics of farm operators on January 1, 1989, by economic class

				Economic d				
Item	\$500,00 or ove							
****	01 042	9433,000	<u></u>			919,90	<u>, , , , , , , , , , , , , , , , , , , </u>	<u>33 ranus</u>
Farms:				N	umber			
Number	34,674	70,216	206,462	247,727	193,584	209,765	801,660	1,764,088
				Pe	ercent			
Share of all farms	1.97	3.98	11.70	14.04	10.97	11.89	45.44	100.00
Farms in								
economic class:								
Individual	48.38	65.09	83.92	91.29	90.81	95.56	97.10	91.64
Partnership	22.39	22.15	11.64	6.68	6.77	3.88	2.30	5.87
Family corporation	24.20	10.72	3.88	1.43	2.02	.36	.46	2.03
Nonfamily corporation	4.82	1.78	. 56	.60	.40	.20	. 08	. 42
Cooperative	.20	. 25	0	.01	.01	0	.06	. 04
Acresse operated per farm:				ĺ	Acres			
Acreage operated per farm: Owned	2,160	847	534	381	258	158	77	274
Cash rented	1,520		329	205	97	59	9	143
Share rented	315		210	100	46	13	3	64
AUM rented	910		280	139	30	33	3 7	97
Total operated, less AUM	3,934		1,051	664	375	224	87	468
Acreage harvested per farm:								
Corn	235	167	99	41	16	5	1	32
Wheat	147	123	84	42	19	4	1	26
Soybeans	173	133	83	37	16	5	1	27
Cotton	54		16	4	1	1	0	5
Other grains	76		35	16	7	3	1	11
Other crops	206	98	74	54	34	26	10	36
Total harvested	891	600	390	194	93	43	14	136
Per farm:				Do	llars			
Assets	2 377 449	1,045,194	594,060	389,481	308,721	245,809	184,663	359,575
Debt	456,332	• •	108,396	57,030	30,386	17,709	12,855	48,232
Cash operating expenses	785,896		107,227	50,204	25,843	14,926	6,731	51,766
Gross cash income	999,752	•	141,440	62,659	27,944	14,438	4,054	63,406
				Pe	ercent			
Percentage of all farm:								
Livestock sales	33.16	17.77	25.11	13.65	4.43	2.91	2.96	100.00
Crop sales	31.89	20.86	26.79	12.81	4.27	1.81	1.59	100.00
Government payments	13.63	20.61	36.49	19.33	6.08	2.48	1.38	100.00
Off-farm income	1.97	2.75	8.34	9.49	10.36	16.96	50.12	100.00
Form energies				1	Number			
Farm operator average: Age	49	49	48	50	53	55	55	53
Hours worked per week	49 59		40 55	49	35	28	55 17	32
Operators in				f	Percent			
economic class:				-				
Farming	91.56	94.34	93.24	86.15	63.80	48.60	31.59	55.70
Hired manager	6.33		.94	.84	.57	1.04	.82	1.02
Other	2.12		5.82	13.01	35.62	50.37	67.59	43.28
		0 1/0					'	

Appendix table 13Characteristic	s of	farm operators	on	January	1.	1989,	by ı	net	value	of	production
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Item	\$300,000 or more	\$225,000-	alue of pr \$150,000- \$224,999	\$75,000-			
		4233,333	Numb				
Farms:			HUMD				
Number	52,953	33,205	66,604	175,403	1,435,923	1,764,088	
			Perc	ent			
Share of all farms	3.00	1.88	3.78	9.94	81.40	100.00	
	3.00	1.00	0.70	0.01			
arms in value of production class:							
Individual	52.82	63.78	77.78	85.15	95.15	91.64	
Partnership	24.48	21.67	15.19	10.67	3.80	5.87	
Family corporation	19.10	10.63	5.73	3.65	.83	2.03	
Nonfamily corporation	3.51	3.42	1.27	. 52	.18	. 42	
Cooperative	. 09	. 50	. 03	.01	.03	. 04	
			E	Acres			
Acreage operated per farm:	1 010	781	654	512	159	274	
Owned	1,810	669	384	285	62	143	
Cash rented	1,253	316	231	180	27	64	
Share rented	292		213	254	30	97	
AUM rented	1,000	475	1,265	204 951	240	468	
Total operated, less AUM	3,274	1,693	1,205	951	240	400	
Acreage harvested per farm:	207	143	121	86	12	32	
Corn	156	143	100	69	10	26	
Wheat	156	134	100	70	10	27	
Soybeans Cotton	59	26	27	8	1	5	
Other grains	81	56	46	26	4	11	
Other crops	190	83	79	74	22	36	
Total harvested	858	584	471	333	59	136	
			D	ollars			
Per farm:				F22 00F	242 626	250 575	
Assets	1,957,606	869,837	899,046	533,005	242,636	359,575 48,232	
Debt	369,351	177,006	125,571	99,238	23,594 19,729	48,232 51,766	
Cash operating expenses Gross cash income	564,529 758,506	198,058 268,659	148,123 198,857	94,949 121,500	19,729	63,406	
			P	ercent			
ercentage of all farm:			-			100.00	
Livestock sales	32.30	6.69	10.64	20.80	29.58	100.00	
Crop sales	42.32	9.20	13.44	17.06	17.98	100.00	
Government payments	21.17	9.23	15.98	24.54	29.08	100.00	
Off-farm income	3.19	1.31	3.06	6.84	85.60	100.00	
-				Number			
Farm operator average:	49	48	50	48	54	53	
Age Hours worked per week	49 57		57	56	26	32	
Operators in value				Percent			
of production class:							
Farming	91.93	94.52	95.11	92.68	47.12	55.70	
Hired manager	4.87		1.04	.69	.85	1.02	
· · · · · · · · · · · · · · · · · · ·	3.20	1.86	3.85	6.63	52.02	43.28	

Appendix table 14--Characteristics of farm operators on January 1, 1989, by acreage operated

			Acreage c	perated			
	100 or less	101- 250	251- 500	501- 1,000	1,001- 2,000	More than 2,000	All farms
			<u> </u>	Number		·	
Number of farms	768,207	408,069	261,358	173,848	91,645	60,962 1	,764,088
				Percent			
Share of all farms	43.55	23.13	14.82	9.85	5.20	3.46	100.00
Farms in							
acreage class:	00.00	00 50	<u>01 01</u>	05 40	70.00	64.67	
Individual Pantaonabia	96.28	92.53	91.21	85.43	79.66		91.64
Partnership Family corporation	2.68 .71	5.51 1.50	6.16 2.26	11.07 3.29	12.77 6.83	22.09 10.39	5.87 2.03
Nonfamily corporation	.31	.34	.37	.19	.65		.42
Cooperative	.01	.12	.01	.02	.10	.04	. 04
Acreage operated per farm:				<u>Acres</u>			
Owned	44	130	236	370	610	3,534	274
Cash rented	4	28	87	179	435	2,369	143
Share rented	1	13	49	167	365	501	64
AUM rented	21	26	15	72	199	1,785	97
Total operated, less AUM	39	164	362	702	1,379	6,325	468
Acreage harvested per farm: Corn	2	15	50	102	128	95	20
Wheat	1	4	15	50	154	293	32 26
Soybeans	1	10	37	84	134	293 81	20
Cotton	ō	1	2	13	33	34	5
Other grains	ō	4	9	26	60	95	11
Other crops	7	25	50	65	93	227	36
Total harvested	12	58	163	339	605	825	136
Per farm:				<u>Dollar</u>	<u>s</u>		
Assets	203,990	261,896	404,523	559,776	724.474	1,661,846	359,575
Debt	19,227	27,626	59,734	97,669	133,421	233,308	48,232
Cash operating expenses	17,024	31,660	64,096	104,394	151,567	271,173	51,766
Gross cash income	19,819	37,899	80,463	132,630	189,410	323,439	63,406
Percentage of all farm:				Percen	<u>t</u>		
Livestock sales	10.94	16.14	23.97	18.83	12.29	17.83	100.00
Crop sales	15.27	11.65	13.20	22.32	18.94	18.62	100.00
Government payments	1.76	8.14	18.08	28.98	23.44	19.59	100.00
Off-farm income	49.19	19.38	10.70	12.17	3.75	4.82	100.00
Farm operator average:				<u>Numbe</u>	r		
Age	53	54	53	51	49	52	53
Hours worked per week	19	33	44	49	51	53	32
Operators in				Perce	<u>nt</u>		
acreage class:							
Farming	34.72	57.52	75.10	85.84	88.43	89.53	55.70
Hired manager	.84	1.24	.82	.74	1.78	2.21	1.02
Other	64.43	41.24	24.08	13.42	9.79	8.26	43.28

						specialty					
Item	Cash grains	Tobacco	Cotton	Other V field crops		, Nursery, greenhouse	Beef, hogs, sheep	Poultry	Dairy	Other livestock	A] far
· · · · · · · · · · · · · · · · · · ·						Number					
Number of farms	339,766	76,177	20 112	127,445	83.065		050 411	27 227	142 027	CC 000	1 764 00
	339,700	/0,1//	20,112	12/,443	63,005	34,760	858,411	27,227	142,027	22,030	1,764,08
						Percent					
Share of all farms	19.26	4.32	1.14	7.22	4.71	1.97	48.66	1.54	8.05	3.12	100.0
arms in											
production specialty:											
Individual	90.29	95.73	84.37	92.96	86.82	75.58	93.66	96.02	85.61	93.08	91.6
Partnership	7.10	3.51	11.49	5.55	7.28	11.43	4.58	2.31	11.31	2.39	5.8
Family corporation	2.32	.73	3.59	1.08	4.96	8.79	1.37	1.38	2.88	3.43	2.0
Nonfamily corporation	.26	.03	. 55	.41	.90	3.98	. 32	.29	.18	1.10	.4
Cooperative	. 02	0	0	0	. 04	.21	.06	0	. 02	0	. 0
						Acres					
creage operated per farm:						Acres					
Owned	283	98	347	225	100	.55	346	82	219	69	27
Cash rented	143	36	235	84	37	8	190	21	119	34	. 14
Share rented	214	12	334	33	8	õ	29	6	14	Ō	Ē
AUM rented	4	ō	0	33	. õ	ŏ	190	ō	6	12	g
Total operated, less AUM	613	148	879	326	141	60	553	108	356	97	46
creage harvested per farm:											
Creage harvested per Tanin:	89	8	16	10	4	0	16	7	65	1	3
Wheat	97	- 3	30	16	4	ő	11	4	6	Ō	2
Soybeans	101	12	51	10	5	1	9	7	9	ŏ	2
Cotton	3	12	331	1	1	ò	9 0	ó	0	ŏ	
Other grains	33	i	42	9	2	0	6	1	13	1	1
Other crops	20	18	25	58	42	2	36	18	81	7	
Total harvested	342	43	494	102	42 57	3	30 77	37	174	9	13
iotar harvested	546		434	102	57	3		57	1/4	3	1.
						<u>Dollars</u>					
er farm: Assets	379,394	159,792	E20 4EA	214 204	567 FOC	200 212	221 457	355 000	404 221	210 000	250 53
Debt	67,598	139,792	528,450 88,948	314,394 47,809	567,506 58,837	389,312	331,457	355,989	494,331	316,680	359,57 48,23
	56,940	20,534				44,645	33,481	80,931	97,752	28,169	
Cash operating expenses Gross cash income	75,496	26,593	143,495 180,901	32,459 40,265	76,720 94,252	113,371 162,534	38,736 42,642	64,694 112,072	115,579 148,271	29,847 22,030	51,76 63,40
uross cash moune	70,400	20,000	100,501	40,205	34,232	102,334	46,042	112,072	140,2/1	22,030	03,40
ercentage of all farm:						Percent					
Livestock sales	5.50	.23	.16	.51	.12	.01	53.35	2.40	36.00	1.71	100.0
Crop sales	39.69	4.36	5.48	9.55	17.21	13.75	7.88	.28	1.77	.03	100.0
Government payments	56.79	.83	6.57	4.04	1.13	.01	22.22	.26	8.04	.11	100.0
Off-farm income	15.32	3.52	.91	7.86	6.64	3.49	52.57	1.18	3.13	5.38	100.0
						M					
arm operator average:						Number					
Age	51	52	53	54	55	52	54	50	48	49	5
Hours worked per week	35	24	40	23	27	29	28	34	67	23	3
perators in						Percent					
production specialty:											
Farming	68.95	49.36	77.80	45.75	54.34	51.08	47.49	66.45	91.62	32.67	55.7
Hired manager	1.12	. 03	3.36	1.13	1.95	3.62	.78	0	.97	1.91	1.0
Other	29.93	50.61	18.85					33.55			

Appendix table 15--Characteristics of farm operators on January 1, 1989, by production specialty

		I also		March I	Regi	on		<u></u>			- A11
Item	Northeast	Lake States	Corn Belt	Northern Plains A	lppalachian	Southeast	Delta	Southern Plains	Mountain	Pacific	farms
						Number					
Number of farms	126,466	183,178	332,293	153,029	275,639	146,536	101,608	219,626	96,432	129,279	1,764,088
						Percent					
Share of all farms	7.17	10.38	18.84	8.67	15.63	8.31	5.76	12.45	5.47	7.33	100.00
Farms											
in region:											
Individual	88.89	90.98	92.24	92.64	94.37	91.59	92.74	92.80	86.82	87.51	91.64
Partnership	8.59	6.89	5.42	5.51	4.37	5.30	3.97	5.96	6.58	7.99	5.87
Family corporation	1.58	2.04	2.06	1.58	.81	1.67	3.10	1.20	5.46	3.98	2.03
Nonfamily corporation	.86	. 09	.28	.24	.43	1.09	.19	.04		.53	. 42
Cooperative	.09	0	0	.03	. 01	.36	0	0	.03	0	. 04
			÷			Acres					
Acreage operated per farm:											
Owned	118	199	164	569	111	173	141	376	1,016	309	274
Cash rented	48	87	64	348	33	42	74	326		136	14:
Share rented	- 40	17	90			42		72		65	64
				224	14		66				
AUM rented	0	0	0	1	0	0	0	3		314	97
Total operated, less AUM	176	294	306	1,101	163	228	283	757	1,462	504	468
Acreage harvested per farm:											
Corn	25	57	79	59	11	6	3	6	9	2	32
Wheat	4	17	12	126	5	6	14	30	60	29	26
Soybeans	6	28	72	37	14	13	52	2	0	0	27
Cotton	0	0	Ō	0	1	5	18	20	4	3	5
Other grains	5	12	4	44	ī	ĩ	22	12	26	10	13
Other crops	43	46	26	83	21	22	21	23		29	3
Total harvested	82	159	192	350	54	53	130	93		74	136
ioral haivested	02	155	152	550	54	55	150	55	1/0	74	100
Dan famm						<u>Dollars</u>					
Per farm:											
Assets	540,014	319,868	309,661	356,754	212,127	317,623	241,281	383,406		569,174	359,57
Debt	43,507	64,203	53,591	69,516	22,830	29,843	28,908	38,370		74,049	48,232
Cash operating expenses	50,494	58,880	54,350	74,586	23,191	41,170	34,676	47,858		84,553	51,766
Gross cash income	62,164	74,693	66,103	96,419	29,054	48,536	45,238	54,442	94,337	99,153	63,406
						Percent	<u>.</u>				
Percentage of all farm:									_		
Livestock sales	8.94	15.74	19.69	15.15	5.48	4.10	2.06	12.07		7.90	100.00
Crop sales	5.75	9.20	20.24	10.29	8.32	9.51	5.06	7.18	6.29	18.16	100.0
Government payments	1.85	15.05	31.27	21.06	3.39	2.30	5.46	9.40		3.83	100.00
Off-farm income	7.54	7.46	15.83	5.22	14.22	9.30	5.17	18.60	5.27	11.37	100.00
						Number					
Farm operator average:							•				
Age	51	52	52	52	54	55	54	54		53	53
Hours worked per week	38	43	35	43	24	22	24	29	33	28	32
Operators						Percen	t				
in region:											
Farming	49.85	67.51	61.20	80.18	47.21	45.02	45.43	48.44	57.94	50.49	55.70
	49.85	.33	.97		.97	45.02	45.45	40.44		2.40	1.02
Hired manager				.65							43.28
Other	48.43	32.15	37.83	19.16	51.82	54.08	53.40	51.07	40.43	47.11	43.28

Appendix table 16--Characteristics of farm operators on January 1, 1989, by region

Appendix table 17--Characteristics of farm operators on January 1, 1989, by tenure

Item	Full	1-20	21-40	<u>Tenure</u> 41-60	61-80	81-99	Full	A11
	tenant	percent	percent	percent	percent	percent	owner	farm
					ber			
Farms:								
Number	151,922	133,472	144,901	145,620	141,037	116,580	930,557	1,764,08
				Per	cent			
Share of all farms	8.61	7.57	8.21	8.25	7.99	6.61	52.75	100.0
Farms in								
tenure class:								
Individual	86.40	91.55	91.50	89.80	88.46	87.77	03 70	01.0
Partnership	9.35	5.70	7.13	7.27			93.78	91.6
Family corporation	3.57				8.43	8.30	4.22	5.8
		2.56	1.26	2.63	3.09	3.25	1.42	2.0
Nonfamily corporation	.67	.19	.05	.30	.01	.66	. 52	.4
Cooperative	.01	0	.05	0	. 02	.02	.06	.04
Acreage operated per farm:				A	cres			
Owned	0	90	236	204	570	670	000	~-
Cash rented	358			394	573	679	236	27
Share rented		513	365	299	187	61	0	14
	216	244	185	87	40	13	0	6
AUM rented	18	102	37	49	100	203	112	9
Total operated, less AUM	587	875	791	762	772	727	216	46
Acreage harvested per farm:								
Corn	53	71	72	60	51	34	8	3
Wheat	50	64	63	48	37	32	6	2
Soybeans	52	86	62	45	30	20	6	2
Cotton	18	. 9	13	3	4	5	1	
Other grains	24	28	22	19	15	16	3	1
Other crops	34	47	57	56	58	67	20	3
Total harvested	231	306	288	232	196	173	43	13
· · ·				D	<u>ollars</u>			
Per farm:								
Assets	246,037	275,232	386,298	429,961	511,662	574,697	325,033	359,57
Debt	33,161	58,380	81,999	82,321	78,146	71,351	31,214	48,23
Cash operating expenses	80,863	74,788	80,126	76,489	83,108	69,437	28,464	51,76
Gross cash income	99,258	91,484	94,677	93,676	98,140	88,642	35,493	63,40
				P	ercent			
Percentage of all farm:	.0.00	~ ~ ~	11 00					
Livestock sales	9.80	8.04	11.29	13.60	15.98	11.70	29.58	100.00
Crop sales	18.11	15.37	14.03	11.20	8.98	6.55	25.77	100.00
Government payments	14.22	14.27	17.67	15.02	12.56	8.64	17.63	100.00
Off-farm income	5.21	6.01	6.33	6.61	6.87	5.71	63.27	100.00
ann ananatan suasaa.					<u>Number</u>			
arm operator average:					<u> </u>	_		
Age Hours worked per week	42 40	47 37	48 40	51 44	54 43	54 41	56 24	53 32
Dperators in		-					- 1	52
tenure class:					<u>Percent</u>			
Farming	66.15	64.83	68.26	67.48	67 75	64 50	45 45	<b></b>
Hired manager	1.48				67.75	64.56	45.95	55.70
Other		.90	.38	.50	.28	1.68	1.17	1.02
VUIGI	32.37	34.28	31.36	32.02	31.97	33.76	52.88	43.28

Source: 1988 Farm Costs and Returns Survey, USDA.

# **Appendix IV--Financial Ratio Tables**

Appendix tables 18-20 provide additional estimates of financial ratios by income/solvency position, economic class, production value, acreage operated, production specialty, region, and tenure. The tables support the discussion of differences in average financial ratios across the various categories of farm characteristics presented in the Financial Ratio section of the text.

Appendix table 18--Average financial ratios for farms with gross sales above \$40,000 by economic class

Measure	\$5	500,000 over	or		\$250,00				\$100,00 \$249,99			\$40,000	
	<u>1987a</u>	1988a	1988b	1987a	1988a	1988b	····	1987a	1988a		1987a	1988a	1988b
							Ratio						
Solvency measures:							Natio						
Debt/asset	0.23	0.19	0.19	0.22	0.18	0.18		0 20	0 10	A 10	0.17	0.15	0.15
Leverage	.30	.24	.24					0.20	0.18	0.18	0.17	0.15	0.15
Leverage	. 50	. 24	. 24	. 29	.21	. 21		.25	. 22	.22	.20	.17	.17
Liquidity and coverage													
measures:													
Times interest earned	6.04	8.29	5.12	4.61	4.68	4.08		4.54	4.66	4.10	E 01	5.08	2 70
Debt service coverage	3.92	5.20	3.28	3.04	3.10	2.74					5.01		3.76
Debt servicing	.08	.07						2.90	2.76	2.43	2.64	2.62	1.87
Debt Servicing	. 08	.07	. 08	.12	.10	.11		.13	.12	.13	.14	.13	.15
Efficiency measures:													
Asset turnover	. 53	. 51	. 44	. 33	.30	. 30		.27	.25	. 26	.20	. 20	. 19
Debt burden	. 59	.81	.47	.41	.44	.37		.38	.23	.32	.32		
Gross	. 74	.70	.79	.72	.75	.37		.38	.37			.35	. 22
Interest expense	.05	.04	.05							.76	.72	.74	.80
Interest expense	. 05	. 04	.05	. 07	.06	. 07		. 08	. 07	. 08	. 08	. 07	. 09
							Percent						
Profitability measures:							<u>i ci celli</u>						
Profit margin	23.95	29.20	19.25	26.74	22.97	10 47		77 72	20 70	01 00	21 74	00.10	
Return on assets						19.47		27.73	26.70	21.86	31.74	29.16	20.99
	12.38	14.32	7.84	8.34	5.94	4.81		5.46	4.72	3.68	3.15	2.58	.73
Return on equity	12.84	15.18	7.16	7.57	4.90	3.53		4.24	3.51	2.23	1.91	1.38	79

a = Estimates include income and expenses associated with contractors.
 b = Estimates exclude income and expenses associated with contractors.
 Source: 1988 Farm Costs and Returns Survey, USDA.

Appendix table 19--Average financial ratios for farms with gross sales above \$40,000 by production specialty

.

Neasure		Cash gra	ins		Tobacc	0		Cotto	n	C	ther fi			egetable fruit, n			lursery, preenhou	
	1987a			1987a	1988a		1987a	1988a		1987a	1988a	1988b	1987a	1988a	1988b	1987a		
-									Re	atio								
Solvency measures:																		
Debt/asset	0.22	0.20	0.20	0.17	0.16	0.16	0.20	0.18	0.18	0.23	0.20	0.20	0.21	0.11	0.11	0.12	0.13	0.13
Leverage	.29	.25	. 25	.21	. 19	. 19	.25	. 22	. 22	.30	.25	.25	.26	. 12	.12	.13	.15	.1
Liquidity and coverage							•											
measures:																		
Times interest earned	4.02	3.89	3.96	6.10	6.29	6.32	4.75	5.19	4.72	- 5.20	6.07	3.87	2.89	7.54	5.05	18.97	19.74	
Debt service coverage	2.68	2.41	2.45	3.44	3.66	3.68	3.15	3.37	3.11	3.43	3.67	2.32	2.26	4.72	3.17	10.02	10.29	10.29
Debt servicing	.15	.14	.14	. 09	. 08	. 09	.10	. 08	. 08	.11	.12	. 14	.11	.07	.08	. 04	.03	. 03
Efficiency measures:																		
Asset turnover	.25	.25	. 27	.37	.36	.37	. 39	. 39	. 40	.38	.28	. 26	.32	. 25	.23	. 48	.67	. 69
Debt burden	.34	.31	.32	. 54	.57	.58	.49	.48	.43	.49	51	. 28	.28	.71	.44	1.49	1.65	1.6
Gross	.70	.75	.74	.75	.74	.72	.75	.78	.79	.70	.51 .63	.75	.81	.70	.79	. 64	.68	. 68
Interest expense	.09	.09	.09	.05	.05	.06	.06	.05	.05	.07	.03	. 09	.07	.05	.05	.02	.02	. 02
Interest expense	.03	.03	.09	.05	.05	.00	.00	.05	.05	.07	.07	. 03	.07	.05	.05	. 02	.02	
									Pe	rcent								
Profitability measures:																		
Profit margin	28.62	25.07	24.01	26.82		28.10	22.35	18.95	16.40	29.63	37.52	23.05	12.95	30.07	19.71	39.58	31.00	
Return on assets	5.82	4.71	4.87	6.66	7.28	7.34	7.14	5.38	4.56	9.82	9.66	5.09	3.58	6.08	3.26	14.96		14.71
	4.47	3.21	3.40	5.67	6.36	6.44	6.00	4.43	3.42	9.33	9.51	3.78	1.78	5.53	2.37	15.74	15.67	15.67

Appendix table 19--Average financial ratios for farms with gross sales above \$40,000 by production specialty--Continued

Measure	•	Beef, h			Poultr	v		Dairy			Other livestoo	:k
	1987a	1988a	1988b	1987a	1988a	1988b	1987a	1988a		1987	1988	1988b
						Ra	tio					
Solvency measures:												
Debt/asset	0.17	0.15	0.15	0.25	0.23	0.23	0.22	0.20	0.20	0.15	0.12	0.12
Leverage	.21	.18	.18	.34	.30	.30	.27	.26	.26	.18	.14	.14
Liquidity and coverage measures:												
Times interest earned	5.29	6.56	3.86	20.99	20.21	7.91	4.54	4.00	3.94	3.28	-1.86	-2.80
Debt service coverage	3.00	3.65	2.07	11.82	11.24	4.48	2.69	2.59	2.55	1.87	.46	05
Debt servicing	.11	. 09	.11	. 04	.04	.11	.12	.11	.11	.10	.12	.13
Efficiency measures:												
Asset turnover	.28	.30	. 27	1.09	1.08	.42	.30	.31	. 33	.27	. 18	.16
Debt burden	.41	. 53	.26	1.82	2.05	.76	.34	.35	.34	.23	02	11
Gross	.75	73	.84	. 58	.56	.56	.75	.77	.78	.87	1.01	1.08
Interest expense	.07	.05	.06	. 02	.02	.06	.07	. 06	.06	.06	.07	.07
						Perc	<u>cent</u>					
Profitability measures:												
Profit margin	28.01	29.22	16.65	40.46	43.14	40.06	24.34	19.38	18.06	14.16	-18.77	28.85
Return on assets	6.49	7.36	3.16	40.07	44.45	14.58	4.20	2.80	2.68	3.13	-4.44	-5.56
Return on equity	5.67	6.85	1.90	50.63	54.59	15.79	2.74	. 98	.82	1.74	-6.41	-7.68

a = Estimates include income and expenses associated with contractors. b = Estimates exclude income and expenses associated with contractors. Source: 1988 Farm Costs and Returns Survey, USDA.

Appendix table 20--Average financial ratios for farms with gross sales above \$40,000 by production region

Measure	N	ortheast		La	ke States	5	Co	orn Belt		Nort	thern Pla	ins	Ap	palachia	n
	1987a	1988a	1988b	1987a	1988a	1988b	1987a	1988a	1988b	1987a	1988a		1987a	1988a	
								Ratio							
Solvency measures:								Katito							
Debt/asset	0.13	0.13	0.13	0.27	0.23	0.23	0.22	0.21	0.21	0.22	0.21	0.21	0.17	0.20	0.20
Leverage	.15	.16	.16	.37	.31	.31	. 29	.26	.26	.29	.27	.27	.21	.25	.25
_iquidity and coverage measures:															
Times interest earned	7.66	6.37	5.74	3.45	3.77	3.39	4.73	3.59	3.30	5.33	5.49	4.45	9.77	7.25	5.90
Debt service coverage	3.68	3.51	3.17	2.44	2.52	2.31	3.31	2.36	2.18	3.09	3.11	2.50	5.23	4.12	3.35
Debt servicing	.09	. 08	. 09	.14	.13	.14	.12	.12	.13	.12	.11	.12	. 08	. 08	.11
Efficiency measures:															
Asset turnover	.23	. 28	.28	.31	.30	.30	.31	.29	.30	.33	.33	.34	.38	. 42	.35
Debt burden	.51	. 52	.46	. 29	.32	. 29	. 43	.30	.27	.43	.44	.34	.79	.63	.49
Gross	.71	.75	.76	.75	.74	.76	. 69	.78	.80	.70	.71	.77	.64	.70	.70
Interest expense	.05	. 05	.05	. 09	. 08	. 08	.07	. 08	.08	.07	.07	.07	.04	.05	.06
								Percent							
Profitability measures:															
Profit margin	32.04	24.33	21.33	21.33	21.46	18.13	27.89	19.97	17.04	31.57	29.97	22.59	37.09	30.22	28.20
Return on assets	4.64	3.44	2.64	3.95	3.72	2.87	6.77	3.64	3.00	8.48	7.64	5.32	11.69	10.49	7.77
Return on equity	4.07	2.50	1.57	1.73	1.86	.75	5.74	1.79	.98	7.85	6.88	3.93	12.18	10.61	7.19

See footnotes at end of table.

89

Appendix table 20--Average financial ratios for farms with gross sales above \$40,000 by production region -- Continued

Measure		Southeas			Delta			thern Pl	ains		Mountain			Pacific	
	1987a	1988a	19885	1987a	1988a	1988b	1987a	1988a	1988b	1987a	1988a	1988b	1987a	1988a	1988b
								<u>Ratio</u>							
Solvency measures:															
Debt/asset	0.17	0.13	0.13	0.21	0.17	0.17	0.15	0.14	0.14	0.20	0.13	0.13	0.20	0.14	0.14
Leverage	.20	.15	. 15	.26	.21	.21	.18	.16	.16	.24	.15	.15	.25	.16	.16
Liquidity and coverage measures:															
Times interest earned	5.48	5.08	9.66	6.32	8.15	6.41	5.89	7.44	4.64	3.45	7.90	4.61	4.18	6.04	4.30
Debt service coverage	3.31	3.17	5.95	3.46	4.98	3.89	3.11	4.22	2.61	2.01	4,45	2.42	2.95	3.70	2.66
Debt servicing	.08	. 08	. 06	.10	.07	.09	.11	.08	. 09	.15	. 09	.13	.10	. 09	. 09
Efficiency measures:															
Asset turnover	.40	.30	. 37	.37	. 50	.40	.25	.31	.28	. 22	.24	.20	.35	. 27	.26
Debt burden	. 50	.45	. 94	.50	.85	.64	.44	.64	.36	.23	.64	.30	.35 .39	. 52	.35
Gross	.79	. 79	.68	.72	.71	.70	.73	.71	.81	.80	.65	.77	.78	.74	.81
Interest expense	.05	.05	. 04	.06	.04	. 06	. 06	.05	.05	.10	.06	.08	. 06	. 05	.06
								Percent							
Profitability measures:															
Profit margin	20.76		11.77	30.28	29.54	28.15	31.77	29.31	18.03	23.46	38.51	24.66	19.66	25.76	
Return on assets	7.00	4.33	.62	9.87	12.75	9.16	6.73	7.55	3.63	4.91	8.78	4.35	5.94	6.00	
Return on equity	6.19	3.39	. 62	9.77	12.88	8.55	6.03	7.15	2.60	3.46	8.56	3.45	4.71	5.35	2.58

a = Estimates include income and expenses associated with contractors.
 b = Estimates exclude income and expenses associated with contractors.
 Source: 1988 Farm Costs and Returns Survey, USDA.

## Appendix V--Distribution of Farms By Returns on Equity

Appendix tables 21-24 present additional information on the distribution of farms by rate of returns on equity and selected farm characteristics, such as acreage operated, production specialty, region, and tenure arrangement. These results are discussed in the Farm Operator Rates of Return section of the text.

Appendix table 21--Distribution of farms, debt, and assets by rate of return on equity and acreage operated

				Farm		returns on				
Acreage		0.20 or	0.10 to	0.05 to	-0.05 to	-0.10 to	-0.20 to	-0.21 or	Insolvent	A11
operated	Item	over	0.19	0.09	0.04	0.06	0.11	less	farms	farms
						Percent				
2001	Operators	0.36	0.43	0.35	1.48	0.36	0.20	0.24	0.04	3.46
r more	Debt	2.54	1.82	1.67	5.20	1.82	1.47	1.85	.35	16.72
	Assets	1.15	1.55	1.54	9.31	1.11	.70	. 56	.04	15.97
001-	Operators	.67	.48	.65	1.92	.45	.40	. 58	. 03	5.20
2000	Debt	2.54	1.82	1.21	4.19	1.23	1.27	1.94	. 18	14.37
	Assets	1.01	1.07	1.24	5.05	.93	.58	.58	. 02	10.47
501-	Operators	.97	1.13	1.18	3.93	.74	.88	1.00	.02	9.85
000	Debt	3.30	2.68	2.30	5.54	1.47	1.89	2.66	.12	19.96
	Assets	1.20	1.66	1.78	7.96	1.05	.85	.81	.01	15.34
251-	Operators	1.48	.95	1.37	6.46	1.53	1.56	1.42	.05	14.82
500	Debt	2.98	1.31	1.42	4.81	1.77	2.59	3.24	.23	18.35
	Assets	1.15	1.07	1.59	9.16	1.38	1.40	.89	. 03	16.67
01-	Operators	.99	.90	2.39	11.17	2.76	2.20	2.67	.05	23.13
250	Debt	1.50	1.09	1.33	4.09	1.65	1.10	2.29	.20	13.25
	Assets	. 62	.65	1.61	10.40	1.68	.96	.91	. 02	16.85
00	Operators	2.20	2.12	6.38	20.21	3.71	3.64	5.22	. 06	43.55
or less	Debt	2.71	.92	2.18	5.20	1.32	2.05	2.63	.36	17.36
	Assets	1.18	.91	3.08	15.82	1.44	1.18	1.06	. 03	24.70
A11	Operators	6.68	5.99	12.32	45.19	9.55	8.88	11.14	.25	100.00
farms	Debt	15.57	9.64	10.11	29.03	9.25	10.36	14.61	1.43	100.00
	Assets	6.32	6.92	10.84	57.69	7.60	5.67	4.82	.15	100.00

Source: 1988 Farm Costs and Returns Survey, USDA.

				Farm	<u>business</u> r	eturns on	equity			
Production		0.20 or	0.10 to	0.05 to	-0.05 to	-0.10 to	-0.20 to	-0.21 or	Insolvent	A11
specialty	Item	over	0.19	0.09	0.04	0.06	0.11	less	farms	farms
					Pe	rcent				
Cash	Operators	2.00	1.92	2.39	7.30	1.78	1.50	2.30	0.09	19.26
grains	Debt	4.19	3.31	2.77	6.69	2.59	2.97	4.17	.30	26.99
-	Assets	1.51	2.21	2.49	9.97	1.70	1.27	1.13	.03	20.32
Tobacco	Operators	.26	.22	. 53	1.90	. 47	.29	d	d	4.32
	Debt	.27	.13	.14	.48	.14	.23	d		
•	Assets	.12	.14	.21	1.08	.19	. 09	ď	d d	1.67 1.92
	_						.05	ŭ	u	1.92
Cotton	Operators	.15	.07	.21	. 44	. 08	.05	.13	.01	1.14
	Debt	.27	.27	.37	.51	.08	.15	.39	.06	2.10
	Assets	. 13	.16	.36	.69	.13	.06	.15	.01	1.68
Other	Operators	.61	.44	1.60	3.03	.44	. 53	. 55	.03	7.22
field	Debt	1.76	.61	.54	2.44	.35	. 57	.69	.19	7.16
crops	Assets	.65	.42	1.10	3.44	.24	.27	.18	.02	6.32
/egetables,	Operators	.52	.34	.61	2.05	.35	.36	d	d	4.71
ruit,	Debt	.66	.60	.51	2.18	.57	.65	d	d	5.74
nuts	Assets	. 56	.38	.77	4.72	.44	.35	d	d	7.43
lursery,	Operators	.27	.12	.33	. 69	.17	.10	بہ	L.	1 07
reenhouse	Debt	.31	. 08	.38	. 39	.22	.10	d	d	1.97
	Assets	.36	.14	.39	.33	.15	.10	d d	d d	1.82 2.13
leef.	Operators	1 50	1	F 00				-		
	Operators Debt	1.59	1.91	5.20	25.53	4.97	4.43	4.97	.06	48.66
logs,		4.68	2.60	3.22	11.46	3.28	2.92	5.13	.50	33.78
heep	Assets	1.62	2.22	3.71	29.88	3.29	2.18	1.90	. 05	44.86
oultry	Operators	.75	08	. 06	.32	.04	.16	d	d	1.54
	Debt	1.38	. 17	. 12	.27	.06	. 18	d	d	2.59
	Assets	. 69	.09	. 05	. 32	.09	.18	d	d	1.53
airy	Operators	.45	.74	1.01	2.75	.82	1.09	1.15	.04	8.05
	Debt	1.63	1.69	1.92	4.30	1.78	2.31	2.38	.31	16.32
	Assets	. 59	1.06	1.56	4.99	1.11	1.02	.71	.03	11.07
ther	Operators	. 09	.15	. 39	1.19	.43	.37	.50		3 10
ivestock	Debt	.43	.18	.12	.30	.43	.37	.30	na	3.12
	Assets	.08	.10	.21	1.72	.25	.15	.34 .25	na na	1.82 2.75
A11	Operators	6.68	5.99	12.32	45.19	0 55				
farms	Debt	15.57	9.64	12.32	45.19	9.55 9.25	8.88	11.14		100.00
	Assets	6.32	9.04 6.92	10.11			10.36	14.61	1.43	100.00
	1100610	0.52	0.32	10.04	57.69	7.60	5.67	4.82	.15	100.00

Appendix table 22--Distribution of farms, debt, and assets by rate of return on equity and production specialty

d = Data insufficient for disclosure.

na = Not available. Source: 1988 Farm Costs and Returns Survey, USDA.

						returns on		0.01		
Region	Item	0.20 or over	0.10 to 0.19	0.05 to 0.09	-0.05 to 0.04	-0.10 to 0.06	-0.20 to 0.11	-0.21 or less	Insolvent farms	All farms
						-				
					Pe	rcent				
lortheast	Operators	0.27	0.36	0.93	3.29	0.71	0.75	d	d	7.17
	Debt	. 55	.31	.77	2.47	.81	.60	d	d	6.47
	Assets	.34	. 39	.87	7.78	.66	.41	d	d	10.77
ake	Operators	. 62	.76	1.43	3.57	1.07	1.39	1.50	0.03	10.38
tates	Debt	1.94	1.64	1.45	3.15	1.40	1.92	2.12	.19	13.82
luico	Assets	.66	.87	1.29	3.83	.96	.95	.66	.02	9.24
orn Belt	Operators	1.32	1.22	1.86	8.19	1.97	1.86	2.40	.03	18.84
UTT Dell	Debt	3.00	2.18	1.85	5.51	2.14	2.58	3.55	.13	20.93
			1.32	1.65	8.05	1.63	1.31	1.09	.13	16.22
	Assets	1.03	1.32	1./9	0.03		1.31	1.05	.01	10.22
orthern	Operators	.90	.86	1.01	3.12	.73	.82	1.16	.07	8.67
lains	Debt	2.18	1.53	1.19	3.52	.79	1.03	1.98	.27	12.50
	Assets	.79	1.14	1.20	3.70	.64	.57	. 54	.03	8.61
ppalachian	Operators	. 69	. 69	1.78	8.09	1.63	1.26	1.47	.01	15.63
pparaonnan	Debt	1.41	.40	. 53	2.60	.67	.71	1.03	.05	7.40
	Assets	.52	. 43	.87	5.87	.71	.44	.37	.01	9.22
outheast	Operators	. 68	.30	1.32	4.26	. 63	. 57	d	d	8.31
outneast	Debt	.96	.30	.45	1.81	.51	.51	d	ď	5.14
		.62	.24	.43	4.56	.54	.36	d	d	7.34
	Assets	. 02	. 24	.05	4.50		.50	ŭ	u	7.54
elta	Operators	.51	.34	.74	2.83	.46	.39	. 48	.01	5.76
	Debt	.66	. 29	.18	1.00	.44	.17	.65	.05	3.45
	Assets	.40	. 32	. 39	2.13	.24	.17	.21	.00	3.86
outhern	Operators	.65	. 54	1.34	6.11	1.25	1.14	1.40	. 02	12.45
lains	Debt	1.52	.75	1.04	2.74	1.07	1.00	1.66	.11	9.90
	Assets	.51	.82	1.08	8.47	1.09	.68	. 62	.01	13.27
lountain	Operators	.51	. 42	.98	2.25	. 49	.36	.42	.04	5.47
	Debt	1.55	1.17	1.51	2.52	. 58	.76	.94	.11	9.14
	Assets	.76	.71	1.16	6.00	.51	.39	.34	.01	9.87
acific	Operators	. 55	.51	.93	3.48	. 59	.34	.92	.03	7.33
	Debt	1.80	1.06	1.13	3.70	.85	1.08	1.18	.46	11.25
	Assets	.69	.68	1.36	7.31	. 63	.41	. 48	.04	11.60
A11	Operators	6.68	5.99	12.32	45.19	9.55	8.88	11.14	.25	100.00
farms	Debt	15.57	9.64	10.11	29.03	9.25	10.36	14.61		100.00
rarms		6.32	9.64 6.92	10.11	57.69	7.60	5.67	4.82		100.00
	Assets	0.52	0.32	10.04	57.05	7.00	5.07	4.02	.15	100.00

Appendix table 23--Distribution of farms, debt, and assets by rate of return on equity and region

d = Data insufficient for disclosure. Source: 1988 Farm Costs and Returns Survey, USDA.

				F	arm busine	ss returns	on equity	1		رميون والمكرانية فالكارج
_		0.20 or	0.10 to	0.05 to	-0.05 to	-0.10 to	-0.20 to	-0.21 or	Insolvent	A11
Tenure	Item	over	0.19	0.09	0.04	0.06	0.11	less	farms	farms
						Dawaant				
						Percent				
Full	<b>Operators</b>	1.76	0.69	0.40	1.18	0.38	0.75	3.34	0.10	8,61
tenant	Debt	1.96	.45	. 39	.74	.19	.37	1.50	.32	5.92
	Assets	.72	.42	.26	3.32	.19	. 29	.66	.03	5.89
1-20	Operators	1.10	.93	. 89	2.11	.75	.78	.98	00	7 67
percent	Debt	2.66	1.00	.42	1.87	.79	.78		. 02	7.57
,	Assets	.95	.80	.53	1.87			1.56	.12	9.16
	N33613	.33	.00	. 55	1.0/	. 59	. 52	. 52	.01	5.79
21-40	Operators	.60	. 64	1.22	2.90	1.13	.83	.88	. 02	8.21
percent	Debt	2.31	1.39	1.40	3.25	1.80	1.20	2.40	.21	13.96
	Assets	.82	.84	1.16	3.55	1.11	. 67	.65	. 02	8.82
\$1-60	Operators	.41	.61	.90	3.52	.90	1.05	01	<b>0r</b>	
percent	Debt	1.61	1.69	1.49	3.75	1.27	1.84	.81	.05	8.25
	Assets	.71	1.05	1.21	4.52	.89		2.12	.32	14.09
		., .	1.05	1.61	4.52	.09	.88	.58	. 04	9.87
51-80	Operators	.30	. 47	.92	3.89	1.04	.80	d	d	7.99
percent	Debt	1.67	1.32	1.11	4.41	1.44	1.50	d	d	12.95
	Assets	. 57	.96	1.33	6.01	1.22	.78	d	d	11.38
31-99	Operators	.34	.27	.74	3.53	. 69	.55	d		<b>C C</b> 1
percent	Debt	1.15	.86	1.24	3.62	.87	1.15	ď	d	6.61
	Assets	.47	.85	1.17	6.60	.87			ď	9.78
	100000		.05	1.1/	0.00	.75	. 48	d	d	10.56
<b>ull</b>	Operators	2.18	2.38	7.24	28.07	4.65	4.12	4.06	.06	52.75
wner	Debt	4.22	2.92	4.06	11.39	2.90	3.56	4.72	. 38	34.14
	Assets	2.08	2.00	5.19	31.83	2.85	2.04	1.67	. 38	34.14 47.68
A11	Operators	6 60	E 00	10.00	45 44					
farms	Debt	6.68	5.99	12.32	45.19	9.55	8.88	11.14	. 25	100.00
1 0 1 1115	Assets	15.57	9.64	10.11	29.03	9.25	10.36	14.61	1.43	100.00
	ASSELS	6.32	6.92	10.84	57.69	7.60	5.67	4.82	.15	100.00

Appendix table 24--Distribution of farms, debt, and assets by rate of return on equity and land tenure

d = Data insufficient for disclosure. Source: 1988 Farm Costs and Returns Survey, USDA.

## **Appendix VI--Lender Distributions**

Additional information concerning the distribution of debt owed to various lenders is tabulated by debt/asset ratio and financial category in appendix tables 25-26.

Appendix table 25--Distribution of farm operator debt by debt/asset ratio and lender, January 1, 1989

		0	ebt/asset	ratio		
Lender	0.01-	0.11-	0.41-	0.71-	Over	A11
	0.10	0.40	0.70	1.0	1.0	farms
			Million	<u>dollars</u>		
Commercial banks	2,630	14,952	10,657	3,313	2.403	33,955
Federal land banks	958	7,707	5,641	1.343	737	16,386
Farmers Home Administration	323	3,112	4,339	2,658	2.386	12,818
Production credit association	446	2,826	1.465	365	247	5.350
Individuals	722	5,269	3,104	1,307	573	10.975
Life insurance companies	138	1,091	859	320	115	2,522
ferchants and dealers	263	873	563	233	105	2,037
All other lenders	91	280	259	214	198	1.042
All lenders	5,571	36,110	26,887	9,752	6,765	85,085

Source: 1988 Farm Costs and Returns Survey, USDA.

Appendix table 26--Distribution of farm operator debt by net cash farm income and solvency position, January 1, 1989

Landau	1		ency position	<u>n</u>	
Lender	Favorable	Marginal income	Marginal solvency	Vulnerable	All farms
			Percent		
Commercial banks:					
Own debt	28.9	22.9	24.7	23.6	100.0
All lender debt in class	37.9	49.2	33.5	43.5	39.9
All operator debt	11.5	9.1	9.8	9.4	39.9
Federal land banks:					
Own debt	34.8	18.1	28.0	19.1	100.0
All lender debt in class	22.1	18.7	18.3	17.0	19.3
All operator debt	6.7	3.5	5.4	3.7	19.3
Farmers Home Administration:					
Own debt	17.7	9.1	46.7	26.5	100.0
All lender debt in class	8.8	7.4	23.9	18.5	15.1
All operator debt	2.7	1.4	7.0	4.0	15.1
Production credit association:					
Own debt	37.9	23.3	24.5	14.3	100.0
All lender debt in class	7.8	7.9	5.2	4.2	6.3
All operator debt	2.4	1.5	1.5	.9	6.3
Merchants and dealers:					
Own debt	41.3	14.5	29.5	14.8	100.0
All lender debt in class	3.3	1.9	2.4	1.6	2.4
All operator debt	1.0	.3	.7	.4	2.4
Life insurance companies:					
Own debt	34.4	14.3	28.6	22.7	100.0
All lender debt in class	3.4	2.3	2.9	3.1	3.0
All operator debt	1.0	.4	.8	.7	3.0
Other individuals:					
Own debt	37.4	17.2	26.1	19.4	100.0
All lender debt in class	15.9	11.9	11.4	11.5	12.9
All operator debt	4.8	2.2	3.4	2.5	12.9
All other lenders:					
Own debt	24.3	11.3	54.3	10.1	100.0
All lender debt in class	1.0	.7	2.3	.6	1.2
All operator debt	.3	.1	.7	.1	1.2
All lenders:					
All lender debt in class	100.0	100.0	100.0	100.0	100.0
All operator debt	30.4	18.6	29.4	21.6	100.0

Source: 1988 Farm Costs and Returns Survey, USDA.

## Appendix VII--Farm Operator Combined Cash-Flow and Net Income Statements

Appendix tables 27-34 provide information about the components of net farm income and net cash farm income. This information allows for measurement of the profitability of the farm business as well as the cash-flow position of farms and their households. Farms were classified by debt/asset ratio position within economic size, production specialty, region, occupational specialty, organizational structure, land tenure, and operator age categories.

Appendix table 27--Combined farm income and cash-flow statement for all farms, January 1, 1989

					<u>bt/asset r</u>	atio		
All farms	Unit	No debt	0.01-0.10	0.11-	0.41-	0.71-	Over	A11
	UIII		0.10	0.40	0.70	1.0	1.0	farms
North C. C.C.								
Number of farms Percent of farms	Number Percent	844,458	267,013	412,795	161,637	50,645	•	1,764,088
rencent of faims	Percent	47.86	15.13	23.39	9.16	2.87	1.56	100.00
Farm income:								
Livestock sales Crop sales	Dollars	12,966	35,874	47,123	54,951	62,443	52,632	30,313
Net change in CCC loans	do. do.	14,507 23	27,444 -850	36,908 -1,855	35,035 -2,387	41,568 -2,084	52,558	24,959
Government payments	do.	2,212	5,418	8,070	10,074	9,101	-2,133 10,364	-863 5,113
Other farm income	do.	1,832	5,374	4,583	5,861	15,495	8,967	3,885
Gross cash farm income	do.	31,540	73,260	94,829	103,535	126,523	122,388	63,406
Nonmoney income	do.	6,931	8,483	7,591	7,344	5,647	3,003	7,260
Value of inventory change Gross farm income	do. do.	372	2,919	5,421	6,098	2,049	-2,983	2,459
Estimated contractor income	do.	38,842 4,805	84,662 9,988	107,841 11,059	116,977 17,709	134,219	122,408	73,125
Gross farm income	<b>u</b> o.	4,005	3,300	11,059	17,709	26,667	16,295	9,042
including contractors	do.	43,647	94,650	118,900	134,686	160,887	138,703	82,167
•						,	100,700	02,10,
Operating expenses			<b></b>					
excluding interest Cash income before	do.	23,452	54,040	69,666	77,255	95,205	96,741	47,030
interest is deducted	do.	8,087	19,220	25,163	26,280	31,318	25,647	16 376
Percent of farms with		0,007	10,220	23,105	20,200	51,510	23,04/	16,376
negative cash income	Percent	45.87	39.83	35.98	36.76	35.25	41.81	41.44
Interest expense	Dollars	404	3,145	8,768	14,748	14,231	16,333	4,736
Cash income after		7						
interest is deducted Percent of farms with	do.	7,683	16,075	16,396	11,531	17,087	9,313	11,640
negative cash income	Percent	46.62	45.20	48.15	49.19	51.73	E2 14	47.05
Total expenses	i ci ociit	40.02	43.20	40.15	49.19	51.75	53.14	47.25
including depreciation	Dollars	26,924	64,335	87,443	101,050	117,398	120,038	57,591
Contractor expenses	do.	1,353	5,527	3,227	8,289	7,959	2,729	3,270
Total expenses						-		
including contractors Net cash farm income	do.	28,277	69,862	90,670	109,339	125,357	122,767	60,861
including contractors	do.	11,136	20,536	24,228	20,951	35,795	22,879	17 412
Percent of farms with			20,000	24,220	20,001	55,755	22,079	17,413
negative NCFI	Percent	46.71	45.05	47.26	48.17	51.21	52.62	46.95
Net farm income	Dollars	11,918	20,326	20,397	15,927	16,821	2,370	15,534
Percent of farms with negative net farm income	Percent	10.00	00.00					
Net farm income	Percent	18.36	23.88	30.23	35.83	42.31	53.44	24.81
including contractors	Dollars	15,371	24,788	28,230	25,347	35,530	15,936	21 207
Percent of farms with			21,700	20,200	20,047	53,330	10,930	21,307
negative NFI	Percent	18.42	23.76	29.80	34.48	41.44	52.31	24.55
Estimated principal		_						
repayment Cash income after	Dollars	0	1,564	6,131	11,624	14,296	19,068	3,444
interest and principal								
are deducted	do.	7,683	14,511	10,265	-93	2,791	-9,755	8,196
Percent of farms with		.,		10,200		L,,,,1	3,733	5,190
negative cash income	Percent	46.62	48.79	56.84	63.57	65.74	72.42	51.85
Nonfarm income	0-11							
Estimated family	Dollars	29,256	31,174	28,542	27,009	24,577	20,040	28,895
living expenses	do.	19,200	19,200	19,200	19,200	19,200	10 200	10 000
Cash income after adding		10,200	10,200	19,200	19,200	13,200	19,200	19,200
nonfarm income and deducting								
family living expenses	do.	17,739	26,485	19,607	7,716	8,168	-8,914	17,891
Percent of farms with negative income after								
principal and family living								
expenses are deducted	Percent	47.19	40.32	36.81	45.13	61.56	67.19	44.26
							07.13	74.20

Source: 1988 Farm Costs and Returns Survey, USDA.

Appendix table 28Combined	farm	income au	nd cash-flu	w statement	by economic	class.	January 1	. 1989
Appendix table 20combined	10111	meome a	na cash i n	W Statement	by cooriointo	0.0001	ballaary z	

		·			ot/asset ra			
\$500,000 or more	Unit	No debt	0.01-0.10	0.11- 0.40	0.41- 0.70	0.71- 1.0	Over 1.0	All farms
4300,000 01 INC/ C								
Number of farms	Number	6,389	4,817	14,012	6,036	2.095	1,325	34,674
Percent of farms	Percent	18.42	13.89		17.40			
Farm income: Livestock sales	Dollars	302,643	541,435	498,019	603,985	885,203	539,659	511,479
Crop sales	do.	628,935	463.878		208,918	439,440		
Net change in CCC loans	do.	5,750	-6,533	-16,441	-7,249			-9,852
Government payments	do.	23,128	28,547		47,630	25,164		
Other farm income	do.	33,485	113,169		31,765	•		
Gross cash farm income	do.	· · · · ·	1,140,497 12,912		10,217	1,571,459 9,990		
Nonmoney income Value of inventory change	do. do.	13,496 24,324	29,671		76,947			31,385
Gross farm income	do.		1,183,079					1,042,879
Estimated contractor income	do.	431,520						
Gross farm income						·		-
including contractors	do.	1,463,281	1,412,836	1,076,116	1,063,688	2,003,184	1,345,277	1,258,356
Operating expenses		1						
excluding interest	do.	685,267	823,756	664,278	704,237	1,162,574	922,030	737,207
Cash income before		000 074	210 740	000 000	100 011	400 005	000 005	262 EAE
interest is deducted	do.	308,674	316,740	239,008	180,811	408,885	233,025	262,545
Percent of farms with	Percent	15.80	12.84	9.17	16.93	28.44	8.32	13.38
negative cash income Interest expense	Dollars	6,342						
Cash income after	DUTIALS	0,542	30,700	43,031	00,000	,2,000	111,000	40,000
interest is deducted	do.	302,332	285,980	189,377	97,442	335,899	121,336	213,857
Percent of farms with						•	·	-
negative cash income	Percent	15.87	21.63	18.83	29.99	44.91	12.52	21.95
Total expenses	0.11	740 140	001 000	770 501	041 702	1 077 015	1 070 270	040 114
including depreciation	Dollars	743,143			18,168	1,277,215 43,694		
Contractor expenses Total expenses	do.	80,299	102,171	30,737	10,100	40,034	17,002	01,400
including contractors	do.	823.442	1,104,108	809,359	859,951	1,320,909	1.095.770	903,553
Net cash farm income		0201112		,		-,,		
including contractors	do.	653,553	333,566	283,067	170,750	717,600	357,618	367,894
Percent of farms with								
negative NCFI	Percent	15.02						
Net farm income	Dollars	288,618	261,141	173,067	130,429	300,575	13,225	200,766
Percent of farms with	<b>D</b>	10.74	20 52	24.16	26 60	46 67	24.10	26.02
negative net farm income	Percent	19.74	30.53	24.16	26.68	46.57	24.10	26.02
Net farm income including contractors	Dollars	639,839	308,728	266,757	203,737	682,275	249.507	354,803
Percent of farms with	DUTIALS	033,033	300,720	200,757	203,737	002,275	243,307	004,000
negative NFI	Percent	17.06	28.91	22.78	24.23	46.30	20.39	24.16
Estimated principal				-				
repayment	Dollars	0	11,966	32,460	50,896	66,766	97,834	31,412
Cash income after								
interest and principal			074 014	150 017	40 540	000 100	02 500	100 445
are deducted	do.	302,332	274,014	156,917	46,546	269,133	23,502	182,445
Percent of farms with	Banaant	15.87	23.63	22.02	39.70	58.25	50.42	27.46
negative cash income	Percent	15.6/	23.03					
Nonfarm income	Dollars	62,580	22,654	24,619	17,886	8,219	19,726	28,991
Estimated family living expenses	do.	19,200	19,200	19,200	19,200	19,200	19,200	19,200
Cash income after adding	<b>u</b> c.	10,200	10,200	10,200	10,200	10,200	10,200	10,200
nonfarm income and deducting								
family living expenses	do.	345,712	277,468	162,335	45,232	258,152	24,028	192,235
Percent of farms with		-	-					
negative income after								
principal and family living	<b>.</b>		<b></b>					
expenses are deducted	Percent	16.28	24.74	23.07	41.13	61.14	49.88	28.52
Can fastrates at and of table								ont inved

Appendix table 28Combined far	m income and cash-flow statement h	ov economic class.	January 1, 1989Continued

				Deb	t/asset ra	tio	· ·	
\$250,000-\$499,999	Unit	No debt	0.01- 0.10	0.11-	0.41-	0.71-	Over	A11
4200,000 4433,333	UNIL	dept	0.10	0.40	0.70	1.0	1.0	farms
Number of farms	Number	14,598	12,486	26,671	11,796	2,939	1,726	70,216
Percent of farms	Percent	20.78	17.78	37.98	16.79	4.18	2.45	100.00
Farm income:								
Livestock sales	Dollars	104,051	142,569	149,709	143,249	116,280	104,625	135,354
Crop sales Net change in CCC loans	do. do.	149,089 4,419	126,582 -4,175	112,700 -7,614	128,161	110,618	136,617	125,832
Government payments	do.	24.173	25,022	26,844	-9,812 27,570	35 27,202	-9,456 42,284	-4,595 26,481
Other farm income	do.	14,447	12,456	10,547	15,152	10,886	23,898	12,813
Gross cash farm income	do.	296,180	302,453	292,186	304,321	265,020	297,968	295,886
Nonmoney income Value of inventory change	do. do.	8,140	10,334	9,433	8,862	9,705	3,902	9,104
Gross farm income	do.	9,251 313,571	15,714 328,501	10,574 312,193	1,182 314,364	3,279 278,004	9,762	9,310
Estimated contractor income	do.	6,949	10,914	22,075	50,695	27,022	311,632 10,063	314,299 21,666
Gross farm income						.,,	10,000	21,000
including contractors	do.	320,520	339,415	334,269	365,059	305,026	321,695	335,965
Operating expenses								
excluding interest Cash income before	do.	210,824	211,634	205,379	205,729	194,620	216,983	207,517
interest is deducted	do.	85,356	90,819	86,807	98,591	70,400	80,985	88,369
Percent of farms with negative cash income	Percent	8,45	9.65	10.82	10.11	17.00	00. OF	
Interest expense	Dollars	4,176	9,147	23,494	10.11 33,674	17.86 41,548	23.25 42,034	10.60
Cash income after			••••	20,404	00,0/4	41,040	42,034	19,849
interest is deducted Percent of farms with	do.	81,180	81,672	63,313	64,917	28,852	38,950	68,520
negative cash income Total expenses	Percent	10.48	11.52	16.73	20.90	27.89	38.92	16.22
including depreciation	Dollars	243,478	244,003	256,604	262,518	257,505	274,397	253,103
Contractor expenses Total expenses	do.	1,037	4,863	7,346	28,375	22,389	13,458	9,906
including contractors Net cash farm income	do.	244,515	248,866	263,950	290,894	279,893	287,855	263,009
including contractors Percent of farms with	do.	87,091	87,722	78,042	87,237	33,485	35,556	80,280
negative NCFI	Percent	10.44	12.92	14.70	19.59	27.04	37.87	15.41
Net farm income	Dollars	70,093	84,498	55,589	51,846	20,499	37,235	61,196
Percent of farms with	<b>_</b> .						077200	01,100
negative net farm income Net farm income	Percent	17.18	12.20	24.45	32.73	34.31	30.59	22.72
including contractors Percent of farms with	Dollars	76,005	90,548	70,319	74,166	25,132	33,840	72,956
negative NFI	Percent	17.17	13.51	22.44	28.44	33.94	29.54	21.42
Estimated principal repayment	Dollars	•						
Cash income after	Dollars	0	4,143	14,120	24,118	32,072	38,268	12,435
interest and principal								
are deducted Percent of farms with	do.	81,180	77,529	49,193	40,799	-3,220	682	56,085
negative cash income	Percent	10.48	12.07	20.58	30.68	38.01	E1 40	
-							51.46	20.15
Nonfarm income Estimated family	Dollars	25,609	28,779	16,677	15,684	9,263	7,907	19,993
living expenses Cash income after adding	do.	19,200	19,200	19,200	19,200	19,200	19,200	19,200
nonfarm income and deducting family living expenses Percent of farms with negative income after	do.	87,589	87,108	46,670	37,283	-13,157	-10,611	56,878
principal and family living expenses are deducted	Percent	8.86	18.21	22.09	33.69	49.46	55.74	22.57

Appendix table 28Combined f			Louise 1 1000 Cantinuad
Appendix table 28Combined f	arm income and cash-flow	statement by economic class.	January I. 1969Continued
Appendix table 20 Combined	arm theome and oast i tow	bracemente by brendente e teeep	

					ot/asset ra			
\$100,000-\$249,999	Unit	No debt	0.01-0.10	0.11-0.40	0.41- 0.70	0.71-	Over 1.0	All farms
\$100,000 \$E45,555								
Number of farms	Number	40,426	37,025	79,816	34,685	8,790	5,720	206,462
Percent of farms	Percent	19.58	17.93	38.65	16.79	4.25	2.77	100.00
Farm income:								
Livestock sales	Dollars	63,853	69,197	63,355	67,015	59,597	66,587	65,044
Crop sales	do.	54,907	55,665	57,972	55,340	57,018	40,409	55,989
Net change in CCC loans	do.	-585	-2,311	-2,233	-4,778	-3,900	666	-2,343
Government payments	do.	12,700	15,583	16,132	19,365	16,556	16,813	15,942
Other farm income	do.	4,960	6,209	7,304	7,451	9,870	8,213	6,808
Gross cash farm income	do.	135,834	144,343	142,529	144,393	139,141	132,688	141,440
Nonmoney income	do.	8,045	10,404	6,820	6,440	5,735	3,918	7,512
Value of inventory change	do.	1,086	5,298	11,368	8,245	5,326	-5,356	7,021
Gross farm income	do.	144,965	160,045	160,717	159,077	150,203	131,249	155,973
Estimated contractor income	do.	7,602	7,289	11,215	9,003	12,771	7,720	9,401
Gross farm income	. · ·	150 507	107 000	171 020	100 000	100 070	120 070	165 374
including contractors	do.	152,567	167,333	171,932	168,080	162,973	138,970	165,374
Operating expenses						100 077	00 540	
excluding interest	do.	88,927	95,431	97,616	100,486	102,277	98,543	96,229
Cash income before	م اہ	40 007	49 012	44 014	42 006	36,864	34,145	45,211
interest is deducted	do.	46,907	48,912	44,914	43,906	30,004	34,143	45,211
Percent of farms with	Percent	9.79	10.61	13,97	11.06	15.45	15.04	12.16
negative cash income	Dollars	1,565	5,966	12,546	20,355	21,977	15.037	10,998
Interest expense	Dollars	1,305	5,500	12,540	20,335	21,5/7	15,057	10,550
Cash income after	do.	45,342	42,947	32.367	23,551	14,887	19,109	34,212
interest is deducted Percent of farms with	uo.	45,542	42,34/	32,307	25,551	14,007	13,103	54,212
negative cash income	Percent	11.48	14.63	20.13	22.42	27.26	18.32	18.09
Total expenses	i ei cent	11.40	14.00	20.10	66.76	27.20	10100	10.00
including depreciation	Dollars	104,560	117,691	124,894	135,182	139,078	122,233	121,879
Contractor expenses	do.	2,666	4,353	3,497	1,573	6,054	1,784	3,226
Total expenses				•	•	·	·	-
including contractors	do.	107,226	122,044	128,390	136,755	145,131	124,017	125,105
Net cash farm income								
including contractors	do.	50,277	45,883	40,086	30,981	21,604	25,045	40,388
Percent of farms with								
negative NCFI	Percent	11.38	14.04	20.19	21.69	27.08	18.32	17.85
Net farm income	Dollars	40,406	42,353	35,823	23,895	11,125	9,017	34,093
Percent of farms with								
negative net farm income	Percent	17.78	17.67	22.69	29.00	32.28	34.99	22.64
Net farm income								40.000
including contractors	Dollars	45,342	45,289	43,542	31,324	17,842	14,953	40,269
Percent of farms with			10.01	22.13	00.00	21 50	20.77	21.00
negative NFI	Percent	17.65	16.91	22.13	28.09	31.52	30.77	21.96
Estimated principal	Dellana	0	2,582	8,194	15,203	20,136	21,718	7,644
repayment	Dollars	U	2,002	0,194	15,205	20,130	21,710	/,044
Cash income after								
interest and principal are deducted	do.	45,342	40,365	24,173	8,348	-5,249	-2,609	26,568
Percent of farms with	ω.	43,342	40,000	24,175	0,040	3,240	2,000	20,000
negative cash income	Percent	11.48	15.14	27.77	34.69	47.26	39.09	24.62
negative cash income	rercent	11.40	13.14		04.00	47.20	00.00	24.02
Nonfarm income	Dollars	22,557	27,279	18,263	14,599	23,147	27,908	20,580
Estimated family		,						
living expenses	do.	19,200	19,200	19,200	19,200	19,200	19,200	19,200
Cash income after adding					•	• •	•	•
nonfarm income and deducting								
family living expenses	do.	48,698	48,444	23,235	3,747	-1,302	6,099	27,948
Percent of farms with								
negative income after								
principal and family living	_	-	. –					
expenses are deducted	Percent	14.35	17.11	32.02	46.10	61.90	51.56	30.07

Appendix table 28Combined farm income and cash-flow statement by economic class, Janua	v 1. 1989Continued

		M _	<u></u>	Deb	<u>t/asset_ra</u>			
\$40,000-\$99,999	Unit	No debt	0.01- 0.10	0.11- 0.40	0.41- 0.70	0.71- 1.0	Over 1.0	All farms
Number of farms	Number	74,680	47,489	76,566	32,084	11,112	5,796	247,727
Percent of farms	Percent	30.14	19.16	30.90	12.95	4.48	2.33	100.00
arm income:								
Livestock sales Crop sales	Dollars	26,275	34,663	30,605	28,060	30,589	18,175	29,456
Net change in CCC loans	do. do.	25,160 -536	17,833 -1.074	22,103 -1,600	22,967	20,962	29,992	22,451
Government payments	do.	6,160	6,381	7,212	-2,043 8,183	-2,187 10,074	-1,289	-1,255
Other farm income	do.	3,466	4,855	5,263	6,882	4,841	9,287 10,990	7,038 4,968
Gross cash farm income	do.	60,524	62,658	63,584	64,050	64.279	67,155	62,659
Nonmoney income	do.	7,179	7,550	6,255	5,430	5,225	3,291	6,559
Value of inventory change	do.	-48	4,725	4,705	4,634	1,831	-2,302	2,974
Gross farm income	do.	67,654	74,933	74,543	74,114	71,336	68,144	72,192
Estimated contractor income	do.	7,467	13,853	13,934	35,080	2,337	8,513	
Gross farm income				10,004	55,000	2,337	0,010	14,061
including contractors	do.	75,122	88,787	88,478	109,194	73,672	76,657	86,253
Operating expenses								
excluding interest Cash income before	do.	41,888	44,583	45,779	46,395	51,864	45,358	44,720
interest is deducted	do.	18,636	18,076	17,804	17,655	12,416	21,797	17,940
Percent of farms with			-					_,,,,,,
negative cash income	Percent	15.17	15.39	14.17	15.89	18.97	19.83	15.27
Interest expense	Dollars	882	3,231	7,758	11,325	10,750	10,773	5,484
Cash income after						-	·	•
interest is deducted	do.	17,754	14,845	10,046	6,330	1,665	11,024	12,455
Percent of farms with negative cash income	Percent	16.98	20.46	26.67	27.83	46.21	33.21	23.74
Total expenses								
including depreciation	Dollars	49,501	54,185	60,552	65,336	68,861	62,490	57,038
Contractor expenses	do.	4,513	7,397	3,000	23,623	0	3,225	6,841
Total expenses	م <b>ا</b> م	F 4 - 01 4	C1 500	00 FF1				
including contractors Net cash farm income	do.	54,014	61,582	63,551	88,958	68,861	65,715	63,878
including contractors	do.	20,708	21,301	20,981	17,788	4,002	16,312	19,676
Percent of farms with			21,001	201001	1,,,00	4,002	10,512	13,070
negative NCFI	Percent	17.38	21.28	25.73	26.69	44.41	33.17	23.50
Net farm income	Dollars	18,153	20,748	13,992	8,778	2,474	5,654	15,155
Percent of farms with	bornars	10,100	20,740	10,002	0,770	2,4/4	5,054	15,155
negative net farm income	Percent	18.57	18.86	24.97	35.72	44.79	39.38	24.49
Net farm income		1010/	10.00	24.07	33.7E		33.30	24.43
including contractors	Dollars	21,107	27,205	24,926	20,236	4,811	10,942	22,375
Percent of farms with	5611215	21,107	27,200	24,020	20,200	4,011	10,542	22,375
negative NFI	Percent	18.58	19.68	24.62	33.99	41.86	39.35	24.18
Estimated principal			10100	24.02	00.00	41.00	53.55	24.10
repayment	Dollars	0	1,676	5,263	9,737	11,931	16,091	4,120
Cash income after	bernaro	v	1,0,0	3,203	5,757	11,551	10,051	4,120
interest and principal								
are deducted	do.	17,754	13,169	4,783	-3,407	-10,266	-5,067	8,335
Percent of farms with		1.1.01	10,100	4,700	0,407	10,200	5,007	0,333
negative cash income	Percent	16.98	21.88	34.68	47.23	57.49	68.61	30.33
Nonfarm income Estimated family	Dollars	24,409	16,418	19,214	15,097	15,191	19,161	19,529
living expenses	مام	10.000	10.000	10.000	10 000	10.000		
	do.	19,200	19,200	19,200	19,200	19,200	19,200	19,200
Cash income after adding								
nonfarm income and deducting	مام	00.000	10 007	4 707				
family living expenses	do.	22,963	10,387	4,797	-7,509	-14,275	-5,106	8,664
Percent of farms with								
negative income after								
principal and family living								
	Percent	25.81	35.27	43.59	58.20	69.26	65.60	40.19
expenses are deducted	10100110	20.01	00.27	40.00	30.20	00.20	03.00	40.13

Appendix table 28Combined farm income and cash-flow statement by eco	onomic class, January 1, 1989Continued
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		No	0.01-	Del 0.11-	ot/asset ra	_	0	
\$20,000-\$39,999	Unit	debt	0.01-	0.11-	0.41- 0.70	0.71- 1.0	Over 1.0	All farms
umber of farms	Number	86.416	34,587	45,613	14,395	7,151	5,422	193,58
ercent of farms	Percent	44.64	17.86	23.56	7.43	3.69	2.80	100.0
arm income:								
Livestock sales	Dollars	12,624	13,140	11,667	12,251	8,098	10,335	12,2
Crop sales	do.	10,134	10,111	11,190	7,487	11,403	10,930	10,2
Net change in CCC loans	do.	-161	-104	-496	-181	11	-2,169	-2
Government payments	do.	2,660	2,132	2,908	3,213	7,092	2,822	2,8
Other farm income	do.	2,271	2,974	2,412	4,002	12,079	1,849	2,9
Gross cash farm income	do. do.	27,528	28,251	27,682	26,773	38,683	23,766	27,9
Nonmoney income Value of inventory change	do. do.	6,889	7,277 -1,917	6,101	8,201	2,451	1,032	6,5
Gross farm income	do. do.	-1,490 32,927	33,612	1,929	2,740	2,485	6,586	-
Estimated contractor income	do.	2,607	2,596	35,712 2,934	37,714	43,620	31,384	34,4
Gross farm income	40.	2,007	2,330	2,304	13,355	26,187	336	4,2
including contractors	do.	35,534	36,208	38,646	51,068	69,807	31,721	38,7
Oranating automas								
Operating expenses	-	00 107	02 660	05 010	05 000	07 044		
excluding interest	do.	20,107	23,668	25,016	25,999	27,944	33,203	22,9
Cash income before interest is deducted	do.	7 421	A E02	2 666	772	10 720	0 427	
Percent of farms with	00.	7,421	4,583	2,666	773	10,739	-9,437	4,9
negative cash income	Percent	23.48	25.57	32.06	31.96	34.74	74.08	-
Interest expense	Dollars	330	23.37	5,271	7,109			28.
Cash income after	ouriars	330	2,441	5,2/1	7,109	6,476	9,092	2,8
interest is deducted	do.	7,091	2,142	-2,605	-6,336	4,263	-18,529	2,1
Percent of farms with	ω.	7,031	2,142	-2,005	-0,330	4,203	-10,529	2,1
negative cash income	Percent	23.48	37.13	52.67	44.59	41.01	81.88	36.
Total expenses	rercent	23.40	57.15	52.07	44.35	41.01	01.00	30.
including depreciation	Dollars	24,039	30,884	34,596	36,308	39,538	44.041	29.7
Contractor expenses	do.	490	568	1,714	5,703	19,502	0	1.8
Total expenses					-,	,		••••
including contractors	do.	24,528	31,452	36,311	42,011	59,039	44,041	31,6
Net cash farm income			·	•		• • •		
including contractors	do.	9,208	4,170	-1,386	1,316	10,949	-18,192	4,5
Percent of farms with						•	·	•
negative NCFI	Percent	23.88	37.21	48.54	44.67	39.14	80.28	35.
Net farm income	Dollars	8,888	2,728	1,116	1,405	4,082	-12,656	4,6
Percent of farms with								
negative net farm income	Percent	23.16	26.95	41.28	32.97	37.49	78.79	30.
Net farm income								
including contractors	Dollars	11,006	4,755	2,335	9,057	10,768	-12,320	7,0
Percent of farms with	-	· · · · · ·		·				
negative NFI	Percent	23.67	26.95	40.77	32.30	35.45	78.79	30.9
Estimated principal	- ·							
repayment	Dollars	. 0	1,252	4,102	5,981	8,876	10,941	2,2
Cash income after								
interest and principal	ما <b>م</b>	7 001	000	6 707	10 017	4 610	00 470	
are deducted Percent of farms with	do.	7,091	890	-6,707	-12,317	-4,613	-29,470	-1
negative cash income	Percent	23,48	39.56	62.95	69 01	40.00	07 75	
negative cash income	rencent	23,40	39.30	62.85	68.91	42.23	87.75	41.
Nonfarm income	Dollars	28,526	22,360	31,930	27,642	17,671	11,778	27,2
Estimated family								
living expenses	do.	19,200	19,200	19,200	19,200	19,200	19,200	19,2
Cash income after adding								
nonfarm income and deducting				<u> </u>		<i></i>		
family living expenses	do.	16,416	4,050	6,023	-3,875	-6,142	-36,892	7,9
Percent of farms with								
negative income after								
principal and family living expenses are deducted	Denecat	27 00	46 07	40.10	60 OF		05 45	
expenses are deducted	Percent	37.20	46.87	42.18	62.65	67.33	85.42	44.

Appendix table 28Combined farm	income and cash-flow statement by eco	nomic class, January 1, 1989Continued
		Hours Class, Canadi y 1, 1909 Continued

Unit	No debt	0.01-	0.11- 0.40	0.41- 0.70	0.71-	0ver 1.0	All farm
Number Percent	111,622 53.21	34,641 16.51	44,685 21.30	12,160 5.79	4,603 2.19	2,056 .97	209,70 100.0
		8,463	6,788	5,448	4,335	2,561	7,4
				4,786		10,599	4,2
						0	-
						•	1,0
							1,7
							14,4
		•				•	7,4
							6
			•			18,145	22,5
do.	427	9,331	757	4,906	11,647	0	2,4
do.	21,815	33,756	25.734	24,676	35.779	18,145	25,0
	·	•				10,110	20,0
do.	11.831	16,686	14.974	11 137	12 739	14 554	13,3
	11,001	10,000	14,3/4	11,157	12,730	14,004	15,3
do	2 137	-1 163	-268	3 111	2 666	270	• •
	2,10,	1,100	200	5,111	2,000	270	1,1
Percent	33 85	17 12	44 72	33 OF	22.20	27 72	20
							38
0011013	100	904	3,405	0,894	7,093	6,417	1,6
da	1 051	0 147	2 7 2 2	0 700	4 407		
uo.	1,951	-2,14/	-3,733	-3,/83	-4,42/	-6,139	-4
Banaant	25 10	F4 00	~~ ~~				
Percent	35.18	54.33	62.09	54.67	49.84	78.39	45.
Da 11	10 700						
				19,626		22,668	16,8
۵٥.	1,020	35	412	0	10,512	0	8
do.	14,789	19,649	21,411	19,626	32,074	22,668	17,7
do.	1,359	7,149	-3,389	1,123	-3,292	-6,139	1,1
-							
				50.65	52.34	78.39	45.
Dollars	7,619	4,812	3,979	144	2,570	-4.523	5,7
						•	
Percent	19.18	23.44	35.73	34.16	25.61	63.63	24.
do.	7,026	14,108	4,323	5,050	3,705	-4.523	7,3
					-,	.,010	
Percent	19.38	21.90	35.38	31.90	28.11	63 63	24.
				01100	20.11	00.00	64.
Dollars	0	728	2 805	5 711	6 967	7 801	1 0
	•	720	2,000	5,711	0,307	7,001	1,2
do	1 951	-2 875	-6 538	-0 404	-11 204	12 040	1 7
	1,001	2,0/5	-0,000	-3,434	-11,394	-13,940	-1,7
Percent	35 18	57 02	73 80	82 47	74 76	02 51	E 1
, cr conc	00.10	57.02	/5.00	02.47	74.70	93.51	51.
Dollars	48 744	31 572	35 380	20 380	28 340	20 700	41 0
	10,744	01,0/2	00,000	23,303	20,349	20,700	41,2
do	19 200	10 200	10 200	10 200	10 200	10 000	10.0
uo.	13,200	19,200	19,200	19,200	19,200	19,200	19,2
da	21 405	0 407	0.040		0.045		
uo.	51,495	9,497	9,642	090	-2,245	-12,432	20,2
Denest	E0 0F	FO F4	41 70		F0		
Percent	50.85	52.54	41.75	37.23	52.30	87.09	48.
	Number Percent Dollars do. do. do. do. do. do. do. do. do. do.	Number Percent         111,622 53.21           Dollars         7,797 do.           do.         3,718 do.           do.         3,718 do.           do.         3,718 do.           do.         13,968 do.           do.         13,968 do.           do.         13,968 do.           do.         21,388 do.           do.         21,815           do.         21,815           do.         2,137           Percent         33.85           Dollars         186           do.         1,951           Percent         35.18           Dollars         13,769 do.           do.         1,359           Percent         35.38           Dollars         7,619           Percent         19.18           do.         7,026           Percent         19.38           Dollars         0           do.         1,951           Percent         35.18           Dollars         0           do.         1,951           Percent         35.18           Dollars         0           do.         1,951 <td>Unit         debt         0.10           Number Percent         111,622         34,641           Dollars         7,797         8,463           do.         3,718         4,147           do.         3,718         4,147           do.         3,718         4,147           do.         3,718         4,147           do.         -33         -79           do.         13,968         15,523           do.         13,968         15,523           do.         7,545         8,211           do.         13,968         15,523           do.         1,678         2,155           do.         13,968         15,523           do.         13,968         15,523           do.         21,815         33,756           do.         21,815         33,756           do.         1,831         16,686           do.         2,137         -1,163           Percent         35.18         54.33           Dollars         13,769         19,614           do.         1,951         -2,147           Percent         35.38         52.47           D</td> <td>No         0.01- 0.10         0.11- 0.40           Number Percent         111,622 53.21         34,641 16.51         44,685 21.30           Dollars         7,797 do.         8,463 3,718         4,147 4,945 -211         4,945 -211           do.         -33 -79 -211         -211         -211           do.         808 838         1,426           do.         1,678         2,155         1,758           do.         13,968         15,523         14,706           do.         7,545         8,211         7,871           do.         -124         692         2,401           do.         -124         692         2,401           do.         21,388         24,425         24,977           do.         21,815         33,756         25,734           do.         11,831         16,686         14,974           do.         1,951         -2,147         -3,733           Percent         33.85         47.42         44.72           Dollars         13,769         19,614         20,999           do.         1,951         -2,147         -3,389           Percent         35.38         52,47         61,77</td> <td>No         0.01         0.01         0.11         0.40         0.70           Number Percent         111,622         34,641         44,685         12,160           Dollars         7,797         8,463         6,788         5,448           do.         3,718         4,147         4,945         4,786           do.         3,718         4,147         4,945         4,786           do.         -33         -79         -211         357           do.         13,968         15,523         14,706         14,247           do.         13,968         15,523         14,706         14,247           do.         -124         692         2,401         723           do.         21,388         24,425         24,977         19,770           do.         21,815         33,756         25,734         24,676           do.         11,831         16,686         14,974         11,137           do.         2,137         -1,163         -268         3,111           Percent         33.85         47.42         44.72         33.85           do.         1,951         -2,147         -3,733         -3,783</td> <td>Unit         debt         0.10         0.40         0.70         1.0           Number Percent         111,622         34,641         44,685         12,160         4,603           Dollars         7,797         8,463         6,786         5,448         4,335           do.         3,718         4,147         4,945         4,786         5,738           do.         3,718         4,147         4,945         4,786         5,738           do.         1,678         2,155         1,758         1,591         2,805           do.         1,678         2,157         14,701         14,247         15,604           do.         -124         692         2,401         723         3,448           do.         21,815         33,756         25,734         24,676         35,779           do.         21,815         33,756         25,734         24,676         35,779           do.         11,831         16,686         14,974         11,137         12,738           do.         2,137         -1,163         -268         3,111         2,666           Percent         35,18         54.33         62.09         54.67         49.84     <td>No         0.01- 0.10         0.11- 0.40         0.71- 0.70         0.71- 1.0         0.72- 1.0           Number Percent         111,622         34,641         44,685         12,160         4,603         2,056           Mumber Percent         53.21         16.51         21.30         5.79         2.19         .97           Dollars         7,797         8,463         6,788         5,448         4,335         2,561           do.         3,718         4,147         4,945         4,786         5,738         10,599           do.         -33         -79         -211         37         -281         0           do.         16,678         2,155         1,758         1,591         2,805         489           do.         1,678         2,155         1,758         1,991         2,405         44,832           do.         -124         692         2,401         723         3,448         33           do.         2,138         24,425         24,977         11,137         12,738         14,554           do.         2,137         -1,163         -268         3,111         2,666         278           Percent         35.85         47.42</td></td>	Unit         debt         0.10           Number Percent         111,622         34,641           Dollars         7,797         8,463           do.         3,718         4,147           do.         3,718         4,147           do.         3,718         4,147           do.         3,718         4,147           do.         -33         -79           do.         13,968         15,523           do.         13,968         15,523           do.         7,545         8,211           do.         13,968         15,523           do.         1,678         2,155           do.         13,968         15,523           do.         13,968         15,523           do.         21,815         33,756           do.         21,815         33,756           do.         1,831         16,686           do.         2,137         -1,163           Percent         35.18         54.33           Dollars         13,769         19,614           do.         1,951         -2,147           Percent         35.38         52.47           D	No         0.01- 0.10         0.11- 0.40           Number Percent         111,622 53.21         34,641 16.51         44,685 21.30           Dollars         7,797 do.         8,463 3,718         4,147 4,945 -211         4,945 -211           do.         -33 -79 -211         -211         -211           do.         808 838         1,426           do.         1,678         2,155         1,758           do.         13,968         15,523         14,706           do.         7,545         8,211         7,871           do.         -124         692         2,401           do.         -124         692         2,401           do.         21,388         24,425         24,977           do.         21,815         33,756         25,734           do.         11,831         16,686         14,974           do.         1,951         -2,147         -3,733           Percent         33.85         47.42         44.72           Dollars         13,769         19,614         20,999           do.         1,951         -2,147         -3,389           Percent         35.38         52,47         61,77	No         0.01         0.01         0.11         0.40         0.70           Number Percent         111,622         34,641         44,685         12,160           Dollars         7,797         8,463         6,788         5,448           do.         3,718         4,147         4,945         4,786           do.         3,718         4,147         4,945         4,786           do.         -33         -79         -211         357           do.         13,968         15,523         14,706         14,247           do.         13,968         15,523         14,706         14,247           do.         -124         692         2,401         723           do.         21,388         24,425         24,977         19,770           do.         21,815         33,756         25,734         24,676           do.         11,831         16,686         14,974         11,137           do.         2,137         -1,163         -268         3,111           Percent         33.85         47.42         44.72         33.85           do.         1,951         -2,147         -3,733         -3,783	Unit         debt         0.10         0.40         0.70         1.0           Number Percent         111,622         34,641         44,685         12,160         4,603           Dollars         7,797         8,463         6,786         5,448         4,335           do.         3,718         4,147         4,945         4,786         5,738           do.         3,718         4,147         4,945         4,786         5,738           do.         1,678         2,155         1,758         1,591         2,805           do.         1,678         2,157         14,701         14,247         15,604           do.         -124         692         2,401         723         3,448           do.         21,815         33,756         25,734         24,676         35,779           do.         21,815         33,756         25,734         24,676         35,779           do.         11,831         16,686         14,974         11,137         12,738           do.         2,137         -1,163         -268         3,111         2,666           Percent         35,18         54.33         62.09         54.67         49.84 <td>No         0.01- 0.10         0.11- 0.40         0.71- 0.70         0.71- 1.0         0.72- 1.0           Number Percent         111,622         34,641         44,685         12,160         4,603         2,056           Mumber Percent         53.21         16.51         21.30         5.79         2.19         .97           Dollars         7,797         8,463         6,788         5,448         4,335         2,561           do.         3,718         4,147         4,945         4,786         5,738         10,599           do.         -33         -79         -211         37         -281         0           do.         16,678         2,155         1,758         1,591         2,805         489           do.         1,678         2,155         1,758         1,991         2,405         44,832           do.         -124         692         2,401         723         3,448         33           do.         2,138         24,425         24,977         11,137         12,738         14,554           do.         2,137         -1,163         -268         3,111         2,666         278           Percent         35.85         47.42</td>	No         0.01- 0.10         0.11- 0.40         0.71- 0.70         0.71- 1.0         0.72- 1.0           Number Percent         111,622         34,641         44,685         12,160         4,603         2,056           Mumber Percent         53.21         16.51         21.30         5.79         2.19         .97           Dollars         7,797         8,463         6,788         5,448         4,335         2,561           do.         3,718         4,147         4,945         4,786         5,738         10,599           do.         -33         -79         -211         37         -281         0           do.         16,678         2,155         1,758         1,591         2,805         489           do.         1,678         2,155         1,758         1,991         2,405         44,832           do.         -124         692         2,401         723         3,448         33           do.         2,138         24,425         24,977         11,137         12,738         14,554           do.         2,137         -1,163         -268         3,111         2,666         278           Percent         35.85         47.42

Appendix table 28Combined farm income and cash-flow statement by economic class, January 1, 1989Continued
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		Na	0.01-		ot/asset_ra		0	A11	
Less than \$10,000	Unit	No debt	0.01-	0.11-0.40	0.41-	0.71-	0ver 1.0	farms	
Number of farms	Number	510,328	95,968	125,433	50,481	13,955	5,496	801,660	
Percent of farms	Percent	63.65	11.97	15.64	6.29	1.74	.68	100.00	
Farm income:				4 050					
Livestock sales	Dollars	1,944	2,449	1,958	1,571	1,777	1,166	1,975	
Crop sales	do. do.	1,306 -1	1,165 -4	1,424 5	1,341 65	1,257 0	1,462 -7	1,310 4	
Net change in CCC loans Government payments	do. do.	145	145	152	198	508	132	155	
Other farm income	do.	547	1,004	695	410	204	592	610	
Gross cash farm income	do.	3,940	4,759	4,233	3,585	3,747	3,346	4.054	
Nonmoney income	do.	6,563	8,272	8,482	8,853	6,180	1,925	7,173	
Value of inventory change	do.	246	648	511	484	72	881	352	
Gross farm income	do.	10,749	13,679	13,226	12,922	9,998	6,152	11,580	
Estimated contractor income	do.	120	868	145	447	70	0	233	
Gross farm income									
including contractors	do.	10,870	14,547	13,371	13,368	10,068	6,152	11,812	
Operating expenses		<b>F</b>			0 455	F 776	r 700	F 300	
excluding interest	do.	5,031	8,044	6,901	6,455	5,778	5,759	5,792	
Cash income before	·	1 000	2 205	0 667	0 070	2 022	2 414	1 707	
interest is deducted	do.	-1,090	-3,285	-2,667	-2,870	-2,032	-2,414	-1,737	
Percent of farms with negative cash income	Percent	61.09	70.89	69.97	78.34	66.61	76.46	64.94	
Interest expense	Dollars	120	882	2,443	4,515	3,881	3,341	939	
Cash income after	DUTIALS	120	002	£,770	4,515	5,001	0,041	333	
interest is deducted	do.	-1,210	-4,166	-5,110	-7,385	-5,913	-5,755	-2,676	
Percent of farms with	D	C1 E0	74 41	00 45	00.06	02 71	06 06	60 74	
negative cash income	Percent	61.59	74.41	82.45	90.06	83.71	86.86	68.74	
Total expenses including depreciation	Dollars	5,675	10,552	10,412	12,067	10,304	10,327	7,515	
Contractor expenses	do.	26	45	120	19	336	10,02,	48	
Total expenses	40.	20	10		10		•		
including contractors	do.	5,701	10,598	10,531	12,086	10,639	10,327	7,563	
Net cash farm income							- 7		
including contractors	do.	-1,116	-3,344	-5,085	-6,957	-6,178	-5,755	-2,492	
Percent of farms with	<b>.</b> .	01 F0	74 00	00.07	00 51	00 71	00.00	<u> </u>	
negative NCFI	Percent	61.59	74.28	82.27	89.51	83.71	86.86	68.66	
Net farm income	Dollars	5,075	3,127	2,815	854	-305	-4,175	4,065	
Percent of farms with negative net farm income	Danacat	17.40	29.01	34.17	43.63	55.67	72.90	24.11	
Net farm income	Percent	17.40	29.01	34.17	43.03	55.07	72.90	24.11	
including contractors	Dollars	5,169	3,950	2,840	1,283	-571	-4,175	4,250	
Percent of farms with	DUTIALS	3,103	3,350	2,040	1,200	571	4,1/5	4,200	
negative NFI	Percent	17.40	29.01	34.20	43.08	55.67	72.90	24.08	
Estimated principal	/ 01 00.10			•••=•					
repayment	Dollars	0	672	2,629	5,784	6,074	6,660	1,008	
Cash income after									
interest and principal									
are deducted	do.	-1,210	-4,838	-7,739	-13,169	-11,987	-12,415	-3,684	
Percent of farms with									
negative cash income	Percent	61.59	81.48	92.22	98.27	100.00	100.00	72.00	
Nonfarm income	Dollars	26,044	43,751	40,069	46,089	40,927	24,567	31,869	
Estimated family living expenses	do.	19,200	19,200	19,200	19,200	19,200	19,200	19,200	
Cash income after adding	uu.	13,200	13,200	10,200	13,200	10,200	10,200	13,200	
nonfarm income and deducting									
family living expenses	do.	5,634	19,712	13,129	13,720	9,741	-7,047	8,986	
Percent of farms with		5,001		,-20	,, 25			5,550	
negative income after									
principal and family living									
	Percent	55.29	48.65	36.68	36.21	57.94	67.48	50.51	

Source: 1988 Farm Costs and Returns Survey, USDA.

Appendix table 29Combined	farm income	and cash-flow statement	by production	specialty, January 1, 198	9
		and basin i tow statement	by production	i speciality, callaary is 100	-

				De	bt/asset ra	atio		
Cash sustan	11.24	No	0.01-	0.11-	0.41-	0.71-	Over	A11
Cash grains	Unit	debt	0.10	0.40	0.70	1.0	1.0	farms
Number of farms	Number	123,208	47,488	103,050	41,623	15,583	8,815	339,766
Percent of farms	Percent	36.26	13.97	30.32	12.25	4.58	2.59	100.00
Farm income:								
Livestock sales	Dollars	3,409	8,143	12,187	16,690	7,665	7,560	8,663
Crop sales	do.	30,561	54,732	63,457	65,567	44,941	61,406	49,665
Net change in CCC loans	do.	-1,229	-4,584	-5,630	-7,294	-6,000	-5,893	-4,115
Government payments	do.	8,567	16,177	18,624	22,675	17,635	18,265	15,077
Other farm income	do.	2,487	14,152	5,610	8,362	8,215	8,678	6,207
Gross cash farm income Nonmoney income	do. do.	43,794 5,669	88,620 7,948	94,249 5,911	106,000 5,595	72,456	90,016	75,496
Value of inventory change	do.	2,005	6,404	7,392	5,595	3,246 5,064	2,153 -5,996	5,850 4,612
Gross farm income	do.	51,469	102,973	107,552	117,071	80,767	86,172	85,958
Estimated contractor income	do.	978	4,541	4,029	2,497	1,350	3,129	2,660
Gross farm income				.,		1,000	0,120	2,000
including contractors	do.	52,447	107,513	111,580	119,568	82,116	89,302	88,618
• · · ·								
Operating expenses								
excluding interest	do.	27,934	52,680	63,185	72,510	56,185	66,044	49,830
Cash income before interest is deducted	do.	15,860	35,940	31,063	33,490	16 271	22 072	05 667
Percent of farms with	uu.	15,000	33,340	51,005	33,430	16,271	23,972	25,667
negative cash income	Percent	27.76	22.40	25.19	23.20	24.44	32.38	25.64
Interest expense	Dollars	692	4,075	10,407	18,215	12,651	12,428	7,111
Cash income after				•	•			
interest is deducted	do.	15,168	31,865	20,656	15,275	3,620	11,544	18,556
Percent of farms with	<b>.</b> .							
negative cash income	Percent	29.27	27.57	38.24	36.93	41.07	40.65	33.53
Total expenses including depreciation	Dollars	34,000	66 011	04 000	100 001	20 000	05 010	
Contractor expenses	do.	553	66,911 15,503	84,230 1,477	100,901 957	76,680 188	85,218 1,109	65,316 2,970
Total expenses	uo.	555	10,000	1,4//	337	100	1,105	2,570
including contractors	do.	34,554	82,414	85,708	101,858	76,868	86,327	68,287
Net cash farm income						,	00,02	00,207
including contractors	do.	15,593	20,903	23,208	16,816	4,781	13,565	18,246
Percent of farms with	<b>.</b> .							
negative NCFI Net farm income	Percent	29.25	27.36	37.32	35.43	39.98	40.59	32.98
Percent of farms with	Dollars	17,469	36,062	23,322	16,170	4,087	954	20,641
negative net farm income	Percent	18.95	22.73	29.12	33.22	35.75	50.80	25.91
Net farm income	, di ochi	10.00	22.70	20.12	55.22	55.75	30.00	25.51
including contractors	Dollars	17,893	25,099	25,873	17,710	5,248	2,975	20,331
Percent of farms with			·	•	• • •			,
negative NFI	Percent	18.93	22.28	28.67	31.98	34.75	48.11	25.44
Estimated principal		-						
repayment Cash income after	Dollars	0	1,818	6,020	11,912	11,584	14,643	4,451
interest and principal								
are deducted	do.	15,168	30,047	14,636	3,363	-7,964	-3,099	14,105
Percent of farms with	uo.	13,100	50,047	14,000	3,303	-7,304	-3,033	14,105
negative cash income	Percent	29.27	28.89	47.26	51.31	51.96	66.59	39.38
-						01100		00.00
Nonfarm income	Dollars	24,947	22,482	23,656	19,534	18,446	14,723	22,984
Estimated family								
living expenses	do.	19,200	19,200	19,200	19,200	19,200	19,200	19,200
Cash income after adding								
nonfarm income and deducting family living expenses	do.	20,915	33,329	10 002	2 607	0 710	7 576	17 000
Percent of farms with	uo.	20,915	33,329	19,092	3,697	-8,718	-7,576	17,890
negative income after								
principal and family living								
expenses are deducted	Percent	33.84	34.44	33.55	42.85	65.75	62.37	37.14
See footnotes at end of table.							Cor	tinued

Appendix table 29Combined farm income and cash-flow statement by production specialty, January 1, 1989C	Continued	
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				D	ebt/asset r	atio		
Tabaaaa	11.24	No	0.01-	0.11-	0.41-	0.71-	Over	A11
Tobacco	Unit	debt	0.10	0.40	0.70	1.0	1.0	farms
Number of farms Percent of farms	Number Percent	42,923 56.34	10,140 13.31	14,489 19.02	4,650 6.10	d d	d d	76,177 100.00
Percent of Tarms	rentent	50.34	13.31	19.02	0.10	u	u	100.00
Farm income:								
Livestock sales Crop sales	Dollars do.	1,038	2,634	2,417	2,307	d d	d	1,643
Net change in CCC loans	do. do.	12,542 -3	34,615 11	39,257 122	40,555 -115	d	d d	23,022 43
Government payments	do.	429	1,303	1,952	2,163	ď	ď	984
Other farm income	do.	617	710	1,213	3,084	d	ď	901
Gross cash farm income	do.	14,623	39,273	44,961	47,994	b	d	26,593
Nonmoney income	do. do.	5,139	6,257	6,567	5,363	d d	d	5,452
Value of inventory change Gross farm income	do. do.	629 20,391	1,250 46,779	1,758 53,285	1,683 55,039	d	d d	1,043 33,087
Estimated contractor income	do.	20,331	40,773	4,758	10,761	d	d	1,562
Gross farm income		-	-			-	-	-,
including contractors	do.	20,391	46,779	58,043	65,800	d	d	34,649
Operating expenses								
excluding interest	do.	10,802	25,336	31,031	33,184	d	d	18,613
Cash income before								
interest is deducted	do.	3,822	13,936	13,930	14,810	d	d	7,980
Percent of farms with	Doncont	22 50	25 10	35.40	41.76		نہ	24.02
negative cash income Interest expense	Percent Dollars	32.59 212	35.19 1.474	4,218	41.76 5,851	d d	d d	34.92 1,921
Cash income after	DUTIALS	616	1,7/7	4,210	2,031	ŭ	ŭ	1,521
interest is deducted	do.	3,610	12,462	9,711	8,958	d	d	6,059
Percent of farms with			-		-			
negative cash income Total expenses	Percent	33.64	45.30	44.20	51.49	d	d	41.10
including depreciation	Dollars	11,843	29,543	38,338	43,371	d	d	22,280
Contractor expenses	do.	0	0	3,321	15,637	d	d	1,586
Total expenses	م <b>ا</b> م	11 042	00 540	A1 CEO	F0 000	-		00.000
including contractors Net cash farm income	do.	11,843	29,543	41,659	59,009	d	d	23,866
including contractors	do.	3,610	12,462	11,148	4,082	d	d	6,035
Percent of farms with		0,010					•	0,000
negative NCFI	Percent	33.64	45.30	44.20	53.43	d	d	41.22
Net farm income	Dollars	8,549	17,236	14,947	11,667	d	d	10,807
Percent of farms with	<b>_</b> .							
negative net farm income Net farm income	Percent	6.21	21.22	22.53	18.38	d	d	15.58
including contractors	Dollars	8,549	17,236	16,384	6,791	d	d	10,783
Percent of farms with	50110.0	0,040	17,200	10,004	0,,01	ŭ	ŭ	10,700
negative NFI	Percent	6.21	21.22	22.97	20.32	d	d	15.78
Estimated principal								
repayment	Dollars	0	1.038	3,139	5,305	d	q	1,421
Cash income after interest and principal								
are deducted	do.	3,610	11,424	6,572	3,653	d	d	4,638
Percent of farms with		0,010		0,012	0,000	u u	ŭ	1,000
negative cash income	Percent	33.64	58.52	56.34	67.56	d	d	46.22
Nonfarm income	Dollars	20,140	30,618	30,877	20,923	d	d	23,551
Estimated family	Dornars	20,140	50,010	00,077	20,525	ŭ	u	20,001
living expenses	do.	19,200	19,200	19,200	19,200	d	d	19,200
Cash income after adding		-						-
nonfarm income and deducting								
family living expenses Percent of farms with	do.	4,550	22,842	18,249	5,376	d	d	8,989
negative income after								
principal and family living								
expenses are deducted	Percent	61.94	56.09	34.97	46.36	d	d	56.10
							-	
See footnotes at end of table.							Cont	inued

Appendix table 29-	-Combined farm income	and cash-flow statement	by production specialty, Janu	ary 1, 1989Continued

		No	0.01-	0.11-	<u>bt/asset 1</u> 0.41-	<u>ratio</u> 0.71-	Over	A11
Cotton	Unit	debt	0.01-	0.11-	0.41-	1.0	1.0	farms
umber of farms ercent of farms	Number Percent	8,395 41.74	3,085 15.33	5,437 27.03	1,907 9.48	803 3.99	486 2.41	20,112 100.00
arm income:								
Livestock sales Crop sales	Dollars do.	2,601 75,514	6,431 106,494	5,644 153,466	3,157 159,201	9,824 128,822	469 174,666	4,301 113,796
Net change in CCC loans	do.	27,626	24,695	19,462	15,131	16,427	37,410	23,574
Government payments	do.	22,567	28,181	37,116	33,434	34,583	47,275	29,468
Other farm income	do.	5,876	13,201	8,355	16,466	28,611	13,387	9,763
Gross cash farm income	do.	134,184	179,002	224,043	227,390	218,267	273,206	180,901
Nonmoney income	do.	8,190	3,711	6,198	2,200	2,734	2,195	6,034
Value of inventory change	do.	4,580	2,933	5,811	8,534	-203	3,035	4,807
Gross farm income	do.	146,954	185,646	236,052	238,124	220,798	278,436	191,742
Estimated contractor income	do.	0	692	12,010	2,959	3,931	0	3,790
Gross farm income including contractors	do.	146,954	186,337	248,062	241,083	224,729	278,436	195,532
Operating expenses								
excluding interest Cash income before	do.	98,146	121,937	176,952	166,677	179,160	180,066	134,809
interest is deducted Percent of farms with	do.	36,038	57,065	47,092	60,713	39,107	93,140	46,093
negative cash income	Percent	17.69	15.21	23.50	13.01	22.57	8.40	18.41
Interest expense Cash income after	Dollars	2,282	6,970	13,243	20,027	13,700	26,467	8,687
interest is deducted	do.	33,756	50,095	33,848	40,686	25,407	66,673	37,406
Percent of farms with negative cash income	Percent	18.10	16.58	30.29	36.43	38.68	16.71	23.69
Total expenses including depreciation	Dollars	115,572	139,278	208,857	201,661	208,339	219,702	158,806
Contractor expenses Total expenses	do.	0	92	21	0	0	0	20
including contractors	do.	115,572	139,370	208,878	201,661	208,339	219,702	158,826
Net cash farm income including contractors	do.	33,756	50,695	45,838	43,645	29,338	66,673	41,176
Percent of farms with negative NCFI	Percent	18.10	16.51	30.91	36.43	38.68	16.71	23.84
Net farm income	Dollars	31,382	46,367	27,195	36,463	12,459	58,734	32,936
Percent of farms with	551.415	01,002	10,007	2,1100	20,100	12,100		02,000
negative net farm income Net farm income	Percent	12.25	19.31	24.24	38.71	37.21	22.45	20.33
including contractors Percent of farms with	Dollars	31,382	46,967	39,184	39,422	16,390	58,734	36,706
negative NFI	Percent	12.25	19.24	24.86	38.71	31.94	22.45	20.27
Estimated principal repayment	Dollars	0	2,817	11,366	15,116	21,170	33,028	6,581
Cash income after interest and principal	4-	20 750	47 070	00 400	05 530	4 0.2.7	00 04F	20.005
are deducted Percent of farms with	do.	33,756	47,278	22,482	25,570		33,645	30,825
negative cash income	Percent	18.10	17.95	36.68	43.13	56.14	29.91	27.27
Nonfarm income Estimated family	Dollars	27,567	24,528	21,739	10,160	15,191	12,894	23,027
living expenses Cash income after adding	do.	19,200	19,200	19,200	19,200	19,200	19,200	19,200
nonfarm income and deducting family living expenses Percent of farms with regative income after	do.	42,123	52,605	25,021	16,530	228	27,340	34,651
negative income after principal and family living expenses are deducted	Percent	33.43	15.93	32.89	44.40	56.14	51.52	32.99

Appendix table 29Combined	arm income and cash-flow stat	ement by production specialty.	, January 1, 1989Continued

		No	0.01-	0.11-	<u>ot/asset_r</u> 0.41-	0.71-	Over	A11
Other field crops	Unit	debt	0.10	0.40	0.70	1.0	1.0	farms
umber of farms ercent of farms	Number Percent	64,022	15,616	26,020	15,250	4,120	2,416	127,445
	Percent	50.23	12.25	20.41	11.96	3.23	1.89	100.00
arm income:								
Livestock sales Crop sales	Dollars	884	2,616	3,936	3,287	4,943	1,943	2,158
Net change in CCC loans	do. do.	16,586 62	32,963 -355	57,467	44,901	47,576	62,343	32,197
Government payments	do.	1,347	2,791	-2,133 4,430	-1,090 4,982	-666	2,000	-562
Other farm income	do.	1,957	6,680	5,192	2,947	4,509 3,259	10,118 15,604	2,857 3,616
Gross cash farm income	do.	20,835	44,695	68,893	55,028	59,621	92,009	40,265
Nonmoney income	do.	8,252	10,203	10,142	6,942	4,997	4,027	8,535
Value of inventory change	do.	871	2,527	4,153	5,014	7,667	3,200	2,504
Gross farm income	do.	29,958	57,425	83,188	66,984	72,285	99,236	51,304
Estimated contractor income	do.	2,430	6,093	13,979	10,293	6,895	26,278	6,774
Gross farm income including contractors	do.	32,389	63,518	97,167	77,277	79,180	125,514	58,078
-		02,000	00,010	07,107	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	75,100	163,314	50,070
Operating expenses								
excluding interest	do.	14,723	32,316	45,664	37,313	49,121	77,168	28,195
Cash income before interest is deducted	da	6 110	10 270					
Percent of farms with	do.	6,112	12,379	23,229	17,714	10,499	14,840	12,070
negative cash income	Percent	45.65	49.03	27.22	51.43	20.24	20.07	40.00
Interest expense	Dollars	450	2,904	8,464	10,765	28.34 12,210	39.87	42.32
Cash income after	bornars	450	2,304	0,404	10,705	12,210	14,321	4,264
interest is deducted	do.	5,663	9,476	14,765	6,949	-1,711	519	7,806
Percent of farms with		.,			0,010		510	7,000
negative cash income Total expenses	Percent	46.84	55.24	40.16	67.30	52.60	54.58	49.28
including depreciation	Dollars	17,007	41.004	61,254	53,116	65,420	97,516	36,394
Contractor expenses	do.	3	19	179	152	420	192	36,394
Total expenses		Ū	10	1/0	152	-	152	02
including contractors	do.	17,011	41,023	61,433	53,268	65,424	97,707	36,456
Net cash farm income				-		•		
including contractors	do.	8,090	15,550	28,565	17,090	5,180	26,606	14,518
Percent of farms with	_							
negative NCFI	Percent	46.63	53.97	39.36	66.25	47.49	50.01	48.48
Net farm income	Dollars	12,951	16,421	21,933	13,868	6,865	1,720	14,910
Percent of farms with negative net farm income	Remeant	0.01	00.00	10.10	40 50			
Net farm income	Percent	9.01	20.38	19.10	43.50	15.70	51.63	17.61
including contractors	Dollars	15,378	22,495	35,734	24,009	13,756	27 006	01 600
Percent of farms with	501 141 3	10,070	22,733	00,104	24,003	13,/30	27,806	21,622
negative NFI	Percent	8.91	20.13	17.36	42.45	10.56	50.26	16.86
Estimated principal								10.00
repayment	Dollars	0	1,891	5,373	9,411	13,373	18,412	3,236
Cash income after								
interest and principal		<b>F</b>						
are deducted Percent of farms with	do.	5,663	7,585	9,392	-2,462	-15,084	-17,893	4,570
negative cash income	Percent	46.84	62.77	57 AE	71 10	05 15	70.01	<b></b>
Regarine data modile		40.04	02.77	57.05	71.16	85.15	72.81	55.52
Nonfarm income	Dollars	32,160	30,730	28,801	33,088	41,213	18,121	31,436
Estimated family	-L-	10 000	10 000	10 000	10 000			4-
living expenses Cash income after adding	do.	19,200	19,200	19,200	19,200	19,200	19,200	19,200
nonfarm income and deducting								
family living expenses	do.	18,622	19,114	18,994	11,426	6 020	-18 072	16 000
Percent of farms with		TOTOLL	19,114	10,334	11,420	6,929	-18,972	16,806
negative income after								
principal and family living								
expenses are deducted	Percent	42.43	48.34	36.39	49.94	63.39	63.79	43.90

Appendix table 29Combined farm income and cash-flow statement by production specialty, January 1, 1989Cont
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				t	Debt/asset r	atio		
Vegetables, fruit,	والمراجع والمراجع	No	0.01-	0.11-0.40	0.41-0.70	0.71-	Over 1.0	A11 famma
and nuts	Unit	debt	0.10	0.40	0.70	1.0	1.0	farms
Number of forms	M. unkan	42 421	11 000	17:697	8,132	4	d	83,065
Number of farms Percent of farms	Number Percent	43,431 52.28	11,988 14.43	17,627 21.22	9.78	d d	d	100.00
Farm income:								
Livestock sales	Dollars	592	1,266	1,121	436	d	d	778
Crop sales	do.	60,266	113,138 -216	133,411	61,642 -263	d d	d d	88,738
Net change in CCC loans Government payments	do. do.	79 559	-216	-65 2,218	3,269	d	d	-110 1,230
Other farm income	do.	2,831	2,986	4,430	5,005	ď	ď	3,616
Gross cash farm income	do.	64,327	117,897	141,115	70,089	d	d	94,252
Nonmoney income	do.	9,102	13,420	8,597	11,823	d	d	9,912
Value of inventory change	do.	295	3,990	6,813	7,164	d	d	2,896
Gross farm income	do.	73,723	135,307	156,525	89,076	d	d	107,060
Estimated contractor income	do.	5,345	11,921	30,001	5,515	d	d	12,067
Gross farm income including contractors	do.	79,069	147,228	186,527	94,591	d	d	119,127
-					,	-	-	,
Operating expenses excluding interest	do.	45,543	84,504	104,939	58,034	d	d	70,805
Cash income before								
interest is deducted	do.	18,784	33,393	36,177	12,055	ď	d	23,447
Percent of farms with negative cash income	Percent	43.45	30.50	32.70	56.68	d	đ	40.71
Interest expense	Dollars	727	6,201	11,825	14,657	d	d	5,914
Cash income after	Dornars	161	0,201	11,025	14,007	ŭ	u	5,514
interest is deducted	do.	18,058	27,192	24,352	-2,603	d	d	17,532
Percent of farms with					-,	-	-	
negative cash income Total expenses	Percent	44.10	35.52	49.52	69.60	d	d	47.00
including depreciation	Dollars	50,538	103,663	128,802	81,791	d	d	84,730
Contractor expenses	do.	94	66	443	205	d	d	173
Total expenses								
including contractors Net cash farm income	do.	50,632	103,729	129,245	81,996	d	d	84,903
including contractors	do.	23,309	39,047	53,910	2,707	d	đ	29,426
Percent of farms with	Deveent	42 65	25 50	40.00	65 GA			44 54
negative NCFI Net farm income	Percent Dollars	43.65	35.50	40.86	65.64	d d	d d	44.54
Percent of farms with	Donars	23,185	31,644	27,723	7,285	a	ū	22,331
negative net farm income	Percent	17.91	10.96	28.59	44.04	d	d	22.37
Net farm income including contractors	Dollars	28,436	43,499	57,282	12,595	d	d	34,225
Percent of farms with	DUTIALS	20,430	43,433	57,202	12,333	u	u	34,223
negative NFI	Percent	17.35	10.79	27.43	39.26	d	d	21.34
Estimated principal	0	•	0.001	0 077	11 040			
repayment Cash income after	Dollars	0	2,281	8,277	11,648	d	ď	4,017
interest and principal								
are deducted	do.	18,058	24,911	16,075	-14,251	d	d	13,515
Percent of farms with	40.	20,000	21,011	20,0.0	,	•	-	10,010
negative cash income	Percent	44.10	40.80	57.04	78.72	d	d	50.47
Nonfarm income	Dollars	33,451	56,418	41,396	47,556	d	d	40,738
Estimated family				10				
living expenses	do.	19,200	19,200	19,200	19,200	ď	d	19,200
Cash income after adding								
nonfarm income and deducting	do.	32,309	62,129	38,271	14,106	d	d	35,053
family living expenses Percent of farms with	uu.	52,303	02,123	00,211	14,100	u	u	55,055
negative income after								
principal and family living								
expenses are deducted	Percent	40.87	39.52	35.51	37.80	đ	d	39.41
See footnotes at end of table.	•						Con	tinued

		No	0.01-		bt/asset rat			
Nursery and greenhouse	Unit	debt	0.01-	0.11- 0.40	0.41- 0.70	0.71- 1.0	Over 1.0	All farms
umber of farms	Number	14,407	7,130	8,633	3,353	d	d	34,760
ercent of farms	Percent	41.44	20.51	24.83	9.64	d	d	100.00
arm income:								
Livestock sales	Dollars	135	29	132	0	d	d	95
Crop sales	do.	170,727	160,648	178,786	72,298	ď	d	160,245
Net change in CCC loans	do.	0	0	0	0	d	ď	0
Government payments	do.	0	0	58	28	d	d	17
Other farm income	do.	2,324	2,090	2,861	142	d	d	2,177
Gross cash farm income	do.	173,185	162,767	181,837	72,469	d	d	162,534
Nonmoney income	do.	7,678	5,280	9,773	6,468	d	d	7,552
Value of inventory change Gross farm income	do.	1,349	1,115	885	18,552	d	d	2,817
Estimated contractor income	do. do.	182,212	169,162	192,495	97,489	d	d	172,902
Gross farm income	40,	0	0	0	0	d	d	0
including contractors	do.	182,212	169,162	192,495	97,489	d	ď	172,902
Operating expenses								
excluding interest	do.	106,389	131,303	115,820	67,011	-		100 011
Cash income before	uo,	100,000	151,505	115,620	07,011	d	d	109,911
interest is deducted	do.	66,796	31,465	66,017	5,458	d	d	E2 E22
Percent of farms with		00,700	01,400	00,011	3,430	u	u	52,623
negative cash income	Percent	28.96	51.66	48.41	71.79	d	d	43.07
Interest expense	Dollars	378	2,630	6,949	7,832	d	d	3,460
Cash income after					,,	ŭ	u	5,400
interest is deducted	do.	66,418	28,835	59,068	-2,374	d	d	49,163
Percent of farms with				,	-,-, ,	9	ŭ	43,103
negative cash income	Percent	29.20	52.89	64.83	75.59	d	d	48.52
Total expenses							-	.0.02
including depreciation	Dollars	112,815	143,928	133,288	80,988	d	d	121,420
Contractor expenses	do.	0	0	0	0	d	d	0
Total expenses including contractors		110 015						
Net cash farm income	do.	112,815	143,928	133,288	80,988	d	d	121,420
including contractors	do.	66,418	28,835	50 000	0 974			
Percent of farms with	uu.	00,410	20,033	59,068	-2,374	d	d	49,163
negative NCFI	Percent	29.20	52.89	64.83	75.59	d	Ŀ	40 50
Net farm income	Dollars	69,397	25,235	59,207	16,501	d	b	48.52
Percent of farms with	5011015	00,007	23,233	55,207	10,501	u	d	51,482
negative net farm income	Percent	10.97	42.29	21.47	61.18	ď	d	26.08
Net farm income				C1.47	01.10	ŭ	u	20.00
including contractors	Dollars	69,397	25,235	59,207	16,501	d	d	51,482
Percent of farms with		·				<b>u</b>	ŭ	01,401
negative NFI	Percent	10.97	42.29	21.47	61.18	d	d	26.08
Estimated principal							-	
repayment	Dollars	0	1,291	8,360	9,836	d	d	3,683
Cash income after								
interest and principal are deducted	مام	00 410	07 544					
Percent of farms with	do.	66,418	27,544	50,708	-12,210	ď	d	45,480
negative cash income	Percent	29.20	54.83	75 46	70 60			F4 45
neguerre busit moone	reitent	23.20	34.03	75.46	79.60	d	d	51.95
Nonfarm income	Dollars	28,320	117,900	42,928	34,301	d	d	51,113
Estimated family		•	• • • • • •		.,	-	ŭ	51,115
living expenses	do.	19,200	19,200	19,200	19,200	d	đ	19,200
Cash income after adding			-			-		
nonfarm income and deducting								
family living expenses	do.	75,538	126,244	74,436	2,891	d	d	77,393
Percent of farms with								
negative income after								
principal and family living expenses are deducted	Percent	35.91	27.87	22.48	62.16	d	d	32.57

Appendix table 29Combined farm	income and cash-flow stateme	nt by production specialty	, January 1, 1989Continued

Appendix table 29Cr	ombined farm incom	e and cash-flow s	tatement by production	specialty, January	1, 1989Continued
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Beef, hogs, and sheep mber of farms rcent of farms rm income: Livestock sales Crop sales Net change in CCC loans Government payments	Unit Number Percent Dollars do.	No debt 479,276 55.83	0.01- 0.10 128,677 14.99	0.11- 0.40 169,923	0.41- 0.70 55,635	0.71- 1.0	Over 1.0	All farms
mber of farms rcent of farms rm income: Livestock sales Crop sales Net change in CCC loans Government payments	Number Percent Dollars	479,276	128,677	169,923	<u></u>		1.0	tarms
rcent of farms rm income: Livestock sales Crop sales Net change in CCC loans Government payments	Percent Dollars				55.635	10 212		
rcent of farms rm income: Livestock sales Crop sales Net change in CCC loans Government payments	Percent Dollars				22.022		0 504	050 411
rm income: Livestock sales Crop sales Net change in CCC loans Government payments	Dollars	55.63	14.99	10 70	•	16,316 1.90	8,584	858,411 100.00
Livestock sales Crop sales Net change in CCC loans Government payments				19.79	6.48	1.90	.99	100.00
Crop sales Net change in CCC loans Government payments		14,233	40,925	55,654	80,003	105,465	94,761	33,235
Net change in CCC loans Government payments		14,233	6,070	7,996	11,287	26,491	19,875	4,939
Government payments	do.	-105	-370	-862	-1,476	-1,167	-2,542	-428
	do.	850	2,870	4,342	6,308	5,591	5,552	2,335
Other farm income	do.	1,190	2,496	2,936	4,013	32,626	6,034	2,560
Gross cash farm income	do.	17,982	51,991	70,067	100,134	169,006	123,680	42,642
Nonmoney income	do.	6,664	7,972	7,497	8,111	6,591	3,884	7,090
Value of inventory change	do.	198	2,537	6,016	7,351	-2,092	6,135	2,180
Gross farm income	do.	24,845	62,499	83,579	115,596	173,505	133,700	51,911
Estimated contractor income	do.	5,514	8,772	5,918	17,016	50,068	36,657	7,986
Gross farm income								
including contractors	do.	30,359	71,271	89,497	132,612	223,573	170,357	59,898
Operating expenses		15 551		53 300		104 505	100.000	
excluding interest	do.	15,554	42,628	57,762	83,379	134,525	106,808	35,537
Cash income before		0 400	0 000	10.004	10 700	24 400	10 070	7 105
interest is deducted	do.	2,428	9,362	12,304	16,755	34,480	16,872	7,105
Percent of farms with								
negative cash income	Percent	54.32	51.52	48.70	49.27	52.21	53.50	52.41
Interest expense	Dollars	206	2,509	7,003	12,835	15,468	19,492	3,198
Cash income after								
interest is deducted	do.	2,222	6,853	5,301	3,920	19,013	-2,619	3,906
Percent of farms with		-,	-,					
negative cash income	Percent	54.86	56.46	61.92	60.58	68.03	65.34	57.23
Total expenses	reiteitt	54.00	50.40	01.32	00.00	00.00	00.04	57.25
	De 11eme	17 000	40 754	70 001	103 603	150 000	120 020	40 450
including depreciation	Dollars	17,800	49,754	70,891	103,692	156,820	132,232	42,453
Contractor expenses	do.	1,090	2,861	1,552	3,332	3,338	2,683	1,651
Total expenses								
including contractors	do.	18,890	52,615	72,444	107,024	160,158	134,915	44,104
Net cash farm income								
including contractors	do.	6,646	12,764	9,666	17,603	65,743	31,355	10,242
Percent of farms with								
negative NCFI	Percent	54.94	56.34	61.51	59,49	68.03	65.01	57.10
Net farm income	Dollars		12,745	12,688	11,904	16,684	1,467	9,459
	DUTIALS	7,045	12,745	12,000	11,304	10,004	1,407	5,435
Percent of farms with	<b>D</b>	00.57	05 00	ar 17	20.75	50.00	50.00	00.40
negative net farm income	Percent	20.57	25.62	35.17	38.75	56.96	58.00	26.46
Net farm income								
including contractors	Dollars	11,469	18,656	17,054	25,588	63,415	35,442	15,794
Percent of farms with								
negative NFI	Percent	20.67	25.56	34.92	37.08	56.07	57.52	26.33
Estimated principal								
repayment	Dollars	0	1,326	5,229	11,116	14,583	22,479	2,456
Cash income after	Doridia	U	1,520	5,225	11,110	14,000	22,475	2,400
interest and principal			5 507	70	7 100			
are deducted	do.	2,222	5,527	72	-7,196	4,430	-25,098	1,450
Percent of farms with								
negative cash income	Percent	54.86	60.61	70.32	77.52	84.49	83.21	61.10
	÷							
Nonfarm income	Dollars	30,808	30,784	32,868	33,757	22,090	28,945	31,219
Estimated family								
living expenses	do.	19,200	19,200	19,200	19,200	19,200	19,200	19,200
Cash income after adding								
nonfarm income and deducting								
family living expenses	do.	13,829	17,111	13,740	7,361	7,319	-15,353	13,469
Percent of farms with	. UD	10,023	.,	10,740	7,501	1,513	10,000	10,403
negative income after								
principal and family living	<b>.</b> .	<b>-</b> • •						
expenses are deducted	Percent	52.14	42.51	40.22	44.15	58.92	75.67	48.18
See footnotes at end of table.								ntinued

		Debt/asset ratio						
Poultry	Unit	No debt	0.01-0.10	0.11- 0.40	0.41- 0.70	0.71-	Over	A11
routry	UITL	Uebt	0.10	0.40	0.70	1.0	1.0	farms
umber of farms	Number	7,486	3,843	7,358	4.960	d	d	27,227
ercent of farms	Percent	27.49	14.11	27.02	18.21	d	d	100.00
arm income:								
Livestock sales	Dollars	6,668	76,857	48,620	55,254	d	d	47,063
Crop sales	do.	11,945	14,968	33,283	53,376	đ	ď	34,371
Net change in CCC loans	do.	0	-192	-248	275	Ğ	ď	-44
Government payments	do.	187	1.912	938	1,347	ď	ď	876
Other farm income	do.	14,097	37,295	42,745	35,655	ď	ď	29,806
Gross cash farm income	do.	32,897	130,841	125,338	145,907	ď	ď	112,072
Nonmoney income	do.	7,361	13,754	11,825	14,207	ď	d	
	do.	•						10,586
Value of inventory change		-246	-2,672	2,133	1,395	d	d	245
Gross farm income	do.	40,012	141,923	139,297	161,509	d	d	122,904
Estimated contractor income	do.	115,364	269,555	267,650	311,419	d	d	216,113
Gross farm income including contractors	do.	155,376	411,478	406,947	472,929	d	d	339,017
-		,				-		
Operating expenses		14 007	100 705	~~	30 500			
excluding interest	do.	14,297	106,725	66,182	79,526	d	ď	57,212
Cash income before								
interest is deducted	do.	18,600	24,116	59,156	66,381	d	d	54,860
Percent of farms with								
negative cash income	Percent	28.14	18.07	26.56	21.69	d	d	26.95
Interest expense	Dollars	609	4,543	8,256	18,971	d	d	7,481
Cash income after			.,	0,000	10,071	-	u	7,401
interest is deducted	do.	17,991	19,573	50,900	47,409	đ	d	47,379
Percent of farms with	uu.	17,391	19,5/5	50,900	47,403	a	a	47,379
	0		10.10					
negative cash income	Percent	28.14	18.45	30.19	31.65	d	d	29.80
lotal expenses								
including depreciation	Dollars	17,735	122,332	87,187	113,430	d	d	73,592
Contractor expenses	do.	73,161	89,610	110,592	208,239	d	d	114,823
lotal expenses								
including contractors	do.	90,897	211,942	197,778	321,669	d	d	188,415
Net cash farm income		• • • •				-	-	
including contractors	do.	60,194	199,518	207,959	150,590	d	d	148,669
Percent of farms with			100,010	20, 1000	100,000	<u>u</u>	ŭ	140,003
negative NCFI	Percent	37.79	19.90	29.29	31.05	d		20 72
	Dollars						d	32.73
Vet farm income	vollars	22,276	19,591	52,110	48,079	d	d	49,311
Percent of farms with								
negative net farm income	Percent	7.60	22.97	15.21	16.72	d	d	18.02
let farm income								
including contractors	Dollars	64,479	199,536	209,168	151,260	d	d	150,602
Percent of farms with				•	•		_	
negative NFI	Percent	11.95	24.80	15.15	11.19	d	d	18.87
Estimated principal							-	10.07
repayment	Dollars	0	2,094	9,367	13,937	d	d	6,858
Cash income after	5011013	v	2,004	5,507	10,007	u	u	0,000
interest and principal								
	- L	17 001	17 470	44 550	~~ ~~~			
are deducted	do.	17,991	17,479	41,553	33,472	d	d	40,531
Percent of farms with	•							
negative cash income	Percent	28.14	18.45	37.02	44.98	ď	d	34.49
lonfarm income	Dollars	10 660	00.005	04 117	01 530			
	Dollars	18,662	22,635	24,117	21,576	d	d	22,142
stimated family								
living expenses	do.	19,200	19,200	19,200	19,200	d	d	19,200
Cash income after adding								
nonfarm income and deducting								
family living expenses	do.	17,452	20,914	46,470	35,849	d	d	43,472
Percent of farms with		• -	• -	• · · · •		-	-	
negative income after								
principal and family living								
expenses are deducted	Percent	24.06	37.91	27.29	35.45	d	đ	32.16
		24.00	07.91	21.23	JJ.43	u	u	36.10
See footnotes at end of table.							~	
see fournoires at end of table.							Con	tinued

Appendix table 29--Combined farm income and cash-flow statement by production specialty. January 1, 1989--Continued

	Debt/asset ratio							
Dairy	Unit	No debt	0.01- 0.10	0.11- 0.40	0.41- 0.70	0.71- 1.0	Over 1.0	All farms
						<u> </u>		
Number of farms	Number	35,341	29,954	46,693	21,319	5,966	2,754	142,027
Percent of farms	Percent	24.88	21.09	32.87	15.01	4.20	1.93	100.00
Farm income:		~~ ~~ ~		100 070		105 000	470 044	
Livestock sales Crop sales	Dollars do.	89,004 4,934	114,933 5,877	169,676 6,005	153,670 5,466	165,398 2,074	173,341 17,897	135,546 5,696 ·
Net change in CCC loans	do.	-503	-973	-1,718	-513	-899	-510	-1,020
Government payments	do.	2,386	4,936	5,943	6,979	7,452	8,164	5,108
Other farm income	do.	2,862	2,315	3,255	3,059	3,003	4,398	2,941
Gross cash farm income Nonmoney income	do. do.	98,685 7,728	127,088 8,810	183,161 8,879	168,661 6,781	177,028 6,789	203,289 3,636	148,271 8,074
Value of inventory change	do.	-1,408	739	3,300	4,306	4,439	-7,395	1,580
Gross farm income	do.	105,005	136,637	195,340	179,748	188,256	199,530	157,925
Estimated contractor income	do.	1,217	1,558	1,888	447	0	0	1,319
Gross farm income including contractors	do.	106,221	138,196	197,228	180,196	188,256	199,530	150 244
ne hung contractors	40.	100,221	150,150	157,220	100,190	100,200	199,000	159,244
Operating expenses excluding interest	do.	67,515	90,793	131,079	120,082	134,245	166,186	105,929
Cash income before	uo.	07,515	30,755	101,075	120,002	104,240	100,100	103,323
interest is deducted	do.	31,170	36,295	52,082	48,579	42,783	37,104	42,342
Percent of farms with	_							
negative cash income	Percent	17.95	13.01	8.74	4.71	13.09	13.98	11.61
Interest expense Cash income after	Dollars	1,008	3,820	13,449	19,664	20,513	18,498	9,650
interest is deducted	do.	30,162	32,476	38,633	28,916	22,270	18,606	32,692
Percent of farms with		00,102	56,470	00,000	20,010	22,270	10,000	52,032
negative cash income	Percent	19.02	16.70	17.98	16.89	21.10	19.08	17.96
Total expenses including depreciation	Dollars	77,370	107,132	161,686	154,552	171 606	102 212	120 150
Contractor expenses	do.	0	859	817	235	171,606 0	193,312 0	129,159 485
Total expenses		· ·	000	017	200	U	v	400
including contractors	do.	77,370	107,992	162,503	154,787	171,606	193,312	129,644
Net cash farm income								
including contractors Percent of farms with	do.	31,378	33,175	39,703	29,127	22,270	18,606	33,526
negative NCFI	Percent	19.02	16.68	17.88	16.89	21.10	19.08	17.92
Net farm income	Dollars	27,635	29,505	33,654	25,196	16,651	6,218	28,765
Percent of farms with							-,	
negative net farm income	Percent	17.46	17.07	21.15	27.84	29.39	32.70	20.95
Net farm income including contractors	Dollars	20 051	20.004	24 705	05 400	10.051	<b>a a a</b>	00 500
Percent of farms with	Domars	28,851	30,204	34,725	25,408	16,651	6,218	29,599
negative NFI	Percent	17.46	16.88	20.65	27.84	29.39	32.70	20.74
Estimated principal					2	20100	021/0	LUITA
repayment	Dollars	0	1,980	9,155	16,176	22,183	23,105	7,235
Cash income after								
interest and principal are deducted	do.	30,162	30,496	29,478	12,740	87	-4,499	05 AE7
Percent of farms with	u <b>u</b> .	30,102	30,490	29,470	12,740	67	-4,499	25,457
negative cash income	Percent	19.02	17.10	22.49	36.94	36.41	48.14	23.74
-								
Nonfarm income	Dollars	11,629	10,331	11,136	11,216	15,466	8,860	11,239
Estimated family	do.	19,200	10 200	10 200	19,200	10 200	10.000	10 200
living expenses Cash income after adding	ω.	19,200	19,200	19,200	19,200	19,200	19,200	19,200
nonfarm income and deducting								
family living expenses	do.	22,591	21,627	21,414	4,756	-3,647	-14,840	17,495
Percent of farms with				•	•		•	• • • •
negative income after								
principal and family living	<b>D</b>	<u></u>						40
expenses are deducted	Percent	35.51	34.87	38.24	52.55	70.33	59.55	40.76
See footnotes at end of table.							ſo	nt inued
the rootheres at the of table.							CUI	it mueu

Appendix table 29Combined farm income and cash-flow statement by production specialty, January 1, 1989Continue	Appendix table 29-	-Combined farm income and	cash-flow statement	by production specialty	, January 1, 1989Continued
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				De	bt/asset rai	:10		
Other livestock	Unit	No debt	0.01- 0.10	0.11-0.40	0.41-0.70	0.71- 1.0	0ver 1.0	All farms
		Gent	0.10	0.40	0.70	1.0	1.0	I d l'INS
Number of farms	Number	25,969	9,094	13,566	4,808	d	đ	55,098
Percent of farms	Percent	47.13	16.50	24.62	8.72	ď	d	100.00
Farm income:								
Livestock sales	Dollars	13,941	9,361	19,898	24,119	d	d	16,597
Crop sales	do.	1,562	2,008	1,371	827	d	d	1,506
Net change in CCC loans	do.	-24	19	-573	0	d	d	-149
Government payments Other farm income	do. do.	38 4,079	156 2,879	345	339	b	d	175
Gross cash farm income	do.	19,595	14,423	3,507 24,548	438 25,722	d d	d d	3,900
Nonmoney income	do.	11,881	12,345	8,861	7,291	d	d	22,030
Value of inventory change	do.	-5,006	2,215	-667	6,050	d	d	10,682 -2,984
Gross farm income	do. do.	26,470	28,983	32,742	39,063	d	d	29,728
Estimated contractor income	do.	20,470	20,505	4,414	33,003	d	d	1,087
Gross farm income	uo.	U	Ű	4,414	v	u	u	1,007
including contractors	do.	26,470	28,983	37,156	39,063	đ	đ	30,815
Operating expenses								
excluding interest	do.	25,949	24,827	27,613	28,715	d	d	27,253
Cash income before					20,7 20			27,200
interest is deducted	do.	-6,354	-10,404	-3,065	-2,993	đ	d	-5,223
Percent of farms with		-,		-,	-,	-	-	0,220
negative cash income	Percent	63.86	63.87	76.39	66.85	d	đ	67.38
Interest expense	Dollars	885	1,841	3,404	4,844	d	d	2,595
Cash income after			•••				-	-,
interest is deducted	do.	-7,240	-12,245	-6,468	-7,837	d	d	-7,817
Percent of farms with		-		·				• • • • •
negative cash income	Percent	63.86	82.17	78.96	77.34	d	d	72.57
Total expenses								
including depreciation	Dollars	29,314	30,924	34,888	36,238	d	d	33,134
Contractor expenses	do.	0	0	240	0	d	d	59
Total expenses								
including contractors	do.	29,314	30,924	35,128	36,238	d	d	33,193
Net cash farm income								
including contractors	do.	-7,240	-12,245	-2,294	-7,837	d	d	-6,789
Percent of farms with								
negative NCFI	Percent	63.86	82.17	77.29	77.34	d	d	72.15
Net farm income	Dollars	-2,844	-1,941	-2,147	2,825	d	d	-3,406
Percent of farms with	_							
negative net farm income	Percent	29.07	41.33	56.00	39.67	d	d	39.59
Net farm income								
including contractors	Dollars	-2,844	-1,941	2,027	2,825	d	d	-2,378
Percent of farms with	<b>.</b> .							
negative NFI	Percent	29.07	41.33	55.17	39.67	d	d	39.38
Estimated principal	D. 11	•						
repayment	Dollars	0	866	4,450	5,401	d	d	2,301
Cash income after								
interest and principal	ي الم	7 040	10 111	10 010	12 000			
are deducted Percent of farms with	do.	-7,240	-13,111	-10,918	-13,238	d	d	-10,118
	Banaant	62.00	04 00	05 70	00.02			75 65
negative cash income	Percent	63.86	84.03	85.79	89.03	d	d	75.85
Nonfarm income	Dollars	50,067	56,699	47,646	42,700	d	d	49,770
Estimated family								-
living expenses	do.	19,200	19,200	19,200	19,200	d	d	19,200
Cash income after adding				-				
nonfarm income and deducting								
family living expenses	do.	23,627	24,388	17,528	10,262	d	d	20,452
Percent of farms with								
negative income after								
principal and family living expenses are deducted		50.31	46.65					
	Percent			34.29	37.61	d	d	45.17

d = Data insufficient for disclosure. Source: 1988 Farm Costs and Returns Survey, USDA.

Appendix table 30--Combined farm income and cash-flow statement by region, January 1, 1989

					<u>bt/asset ra</u>			
Northeast	Unit	No debt	0.01-0.10	0.11- 0.40	0.41- 0.70	0.71- 1.0	0ver 1.0	All farms
NOT LITEAST	UITE		0.10	0.40				
Number of forms	Number	62,246	21,373	29,869	9,457	d	d	126,466
Number of farms Percent of farms	Percent	49.22	16.89	23.61	7.47	ď	d	100.00
Farm income: Livestock sales	Dollars	15,775	50,776	59,208	77,342	d	d	37,789
Crop sales	do.	9,355	27,726	37,769	30,350	d	d	20,577
Net change in CCC loans	do.	-116	-2	-339	-295	d	đ	-160
Government payments	do.	566 1,291	1,443 3,270	2,355 4,040	2,366 6,208	d d	d d	1,318 2,639
Other farm income Gross cash farm income	do. do.	26,871	83,213	103,034	115,972	d d	d	62,164
Nonmoney income	do.	10,662	12,313	11,402	10,993	d	d	11,025
Value of inventory change	do.	1,160	4,305	2,122	-550	d	d	1,541
Gross farm income	do.	38,693	99,831	116,557	126,415	d	d	74,729
Estimated contractor income	do.	1,203	7,483	8,494	12,789	d	d	4,819
Gross farm income	-1-	20.000	107 215	195 059	120 204	d	ہ	70 540
including contractors	do.	39,896	107,315	125,052	139,204	a	d	79,549
Operating expenses				70 000	01 100		Ŀ	40.000
excluding interest	do.	22,663	63,197	70,883	91,162	d	d	46,908
Cash income before interest is deducted	do.	4,208	20,016	32,151	24,809	d	d	15,255
Percent of farms with		.,						
negative cash income	Percent	57.85	35.15	38.08	40.75	d	d	47.28
Interest expense	Dollars	340	2,491	7,234	13,301	d	d	3,585
Cash income after	1.	2 000	17 505	04 017	11 500		د.	11 670
interest is deducted Percent of farms with	do.	3,868	17,525	24,917	11,508	d	d	11,670
negative cash income	Percent	57.96	38.44	49.15	54.14	d	d	51.68
Total expenses						-	-	
including depreciation	Dollars	25,837	73,575	87,579	115,719	d	d	56,546
Contractor expenses	do.	268	7,371	2,288	10,195	d	d	2,680
Total expenses			~~ ~~	~~~~~				50 000
including contractors	do.	26,104	80,945	89,867	125,914	d	d	59,226
Net cash farm income including contractors	do.	4,803	17,637	31,124	14,102	d	d	13,809
Percent of farms with		.,				-	_	
negative NCFI	Percent	57.64	39.56	49.81	54.30	d	d	51.88
Net farm income	Dollars	12,857	26,257	28,978	10,696	d	d	18,184
Percent of farms with	0	01 04	10 50	00 50	20 05	-	d	22.66
negative net farm income Net farm income	Percent	21.04	13.53	26.56	38.05	d	u	22.00
including contractors	Dollars	13,792	26,369	35,185	13,290	d	d	20,323
Percent of farms with								•
negative NFI	Percent	20.85	14.52	26.91	38.21	d	d	22.83
Estimated principal				o 074				
repayment	Dollars	0	2,063	6,674	16,258	d	d	3,492
Cash income after interest and principal								
are deducted	do.	3,868	15,462	18,243	-4,750	d	d	8,178
Percent of farms with		0,000	10,102	10,11,0		-	-	-,
negative cash income	Percent	57.96	38.80	57.47	68.41	d	d	55.32
	0.11		00 00r	00 071	F1 040			20 410
Nonfarm income Estimated family	Dollars	32,323	23,095	26,671	51,240	d	d	30,410
living expenses	do.	19,200	19,200	19,200	19,200	d	d	19,200
Cash income after adding		10,200	10,200	10,100		-	-	
nonfarm income and deducting								
family living expenses	do.	16,991	19,356	25,714	27,289	ď	d	19,388
Percent of farms with								
negative income after								
principal and family living expenses are deducted	Percent	45.09	39.81	32.52	46.50	d	d	42.10
	reitellt	40.09	39.01	52.52	40.00	u	ŭ	76.10
See footnotes at end of table							Cor	ntinued

Appendix table 30Combined farm inc	me and cash-flow statement by region,	January 1 1980 Continued
Appendix babie of combined runn the	the and busin now statement by region,	Danuary 1, 1909Continueu

		No 0.01- 0.11- 0.41- 0.71- 0						
Lake States	Unit	NO debt	0.01-	0.11- 0.40	0.41- 0.70	0.71- 1.0	Over 1.0	All farms
Number of farms	Number	68,322	28,062	49,737	28,216	6,794	2,047	183,178
Percent of farms	Percent	37.29	15.31	27.15	15.40	3.70	1.11	100.00
Farm income:								
Livestock sales	Dollars	24,294	54,106	54,854	68,942	56,754	86,752	45,938
Crop sales	do.	14,554	19,364	27,839	27,193	14,099	46,470	21,185
Net change in CCC loans	do.	-761	-3,165	-4,771	-4,757	-1,558	2,562	-2,826
Government payments Other farm income	do.	3,540	7,095	9,184	12,746	7,254	24,873	7,412
Gross cash farm income	do.	2,411	2,054	2,933	4,744	2,710	12,819	2,985
Nonmoney income	do. do.	44,038	79,454	90,039	108,868	79,259	173,477	74,693
Value of inventory change	do.	6,655	7,749	7,580	7,230	4,486	3,739	7,049
Gross farm income	do.	-1,567 49,125	1,641 88,843	1,341	4,278	2,258	-7,947	685
Estimated contractor income	do.	49,125	3,045	98,960 3,702	120,377	86,004	169,269	82,427
Gross farm income	<b>uu</b> .	1,104	3,045	3,702	5,316	2,566	1,781	2,817
including contractors	do.	50,229	91,888	102,662	125,693	88,569	171,050	85,244
Operating expenses								
excluding interest	do.	30,241	56,886	63,115	76,924	62,267	122,702	52,661
Cash income before	uo.	00,241	30,000	05,115	10,324	02,207	122,702	52,001
interest is deducted	do.	13,797	22,568	26,924	31,944	16,992	50,775	22,032
Percent of farms with		10,707	22,000	20,024	01,044	10,352	30,773	22,032
negative cash income	Percent	35.82	31.08	29.43	31.44	32.54	8.09	32.25
Interest expense	Dollars	517	3,462	8,821	16,407	9,145	20,947	6,219
Cash income after	beriare	017	0,402	0,021	10,407	5,145	20,347	0,213
interest is deducted	do.	13,280	19,106	18,103	15,537	7,847	29,829	15,813
Percent of farms with		10,200	10,100	10,100	10,007	7,047	23,023	15,015
negative cash income	Percent	36.68	35.20	39.88	44.28	52.68	14.53	38.84
Total expenses								
including depreciation	Dollars	35,677	69,852	81,993	104,093	80,134	156,708	67,028
Contractor expenses	do.	1	7	369	3,272	0	4	606
Total expenses		05 070		~~ ~~				
including contractors	do.	35,678	69,858	82,361	107,365	80,134	156,711	67,634
Net cash farm income including contractors	do.	14 202	00 144	21 427	17 501	10 410	21 000	10 005
Percent of farms with	ω.	14,383	22,144	21,437	17,581	10,413	31,606	18,025
negative NCFI	Percent	36.65	35.18	38.08	44.11	51.95	14 53	20.00
Net farm income	Dollars	13,448	18,992				14.53	38.28
Percent of farms with	DUTIALS	13,440	10,992	16,967	16,284	5,869	12,561	15,399
negative net farm income	Percent	23.13	26.71	32.39	32.02	51.48	20 71	20 50
Net farm income	rercent	23.13	20.71	32.35	32.02	51.40	20.71	28.59
including contractors	Dollars	14,551	22,030	20,301	18,328	8,435	14,338	17,610
Percent of farms with	bornars	14,001	22,000	20,301	10,520	0,435	14,330	17,010
negative NFI	Percent	23.06	25.70	31.56	31.51	51.03	20.28	28.08
Estimated principal		20.00	20.70	01.00	01.01	51.05	20.20	20.00
repayment	Dollars	0	1,253	6,049	12,925	11,706	25,057	4,539
Cash income after		•	1,200	0,040	12,020	11,700	23,037	4,000
interest and principal								
are deducted	do.	13,280	17,853	12,054	2,612	-3,859	4.772	11,274
Percent of farms with				-	-			•-
negative cash income	Percent	36.68	37.00	47.75	57.22	67.82	37.86	44.07
Nonfarm income	Dollars	22,555	15,329	23,163	19,700	14,254	13,633	20,766
Estimated family	Dollars	22,000	13,323	23,103	19,700	14,254	13,633	20,700
living expenses	do.	19,200	19,200	19,200	19,200	19,200	10 200	10 200
Cash income after adding	<b>uv</b> .	10,200	10,200	19,200	13,200	13,200	19,200	19,200
nonfarm income and deducting								
family living expenses	do.	16,635	13,982	16,017	3,112	-8 806	-706	12 920
Percent of farms with		10,000	101005	101011	0,116	-8,806	-796	12,839
negative income after								
principal and family living								
expenses are deducted	Percent	37.47	41.86	39.81	42.96	63.17	57.37	40.80
See footnotes at end of table.							Cor	ntinued

Appendix table 30Combined farm	income and cash-	flow statement by region.	January 1, 1989Continued
Appendix cubic co comprise rain		rion deacomone by region;	bandary 1, 1000 bonchlaca

	Debt/asset ratio							
On the Dalla		No	0.01-	0.11-	0.41-	0.71-	Over	A11
Corn Belt	Unit	debt	0.10	0.40	0.70	1.0	1.0	farms
Number of farms	Number	136,027	52,136	94,496	34,877	9,299	5,458	332,293
Percent of farms	Percent	40.93	15.68	28.43	10.49	2.79	1.64	100.00
Farm income:								
Livestock sales	Dollars	14,843	31,730	48,084	47,915	41,830	46,401	31,690
Crop sales	do.	14,288	25,256	37,896	35,683	34,356	33,295	25,842
Net change in CCC loans	do.	-1,024	-2,997	-4,842	-5,276	-9,529	-7,445	-3,209
Government payments Other farm income	do. do.	4,195 1,964	8,106 3,918	11,945 3,930	14,116 4,956	13,647 5,592	14,568 4,708	8,489
Gross cash farm income	do.	34,267	66,013	97.014	97,394	85,897	91,527	3,290 66,103
Nonmoney income	do.	6,086	6,624	6,080	5,823	4,242	3,659	6,050
Value of inventory change	do.	-270	3,502	4,810	4,549	1,543	1,340	2,349
Gross farm income	do.	40,083	76,140	107,903	107,766	91,681	96,526	74,501
Estimated contractor income Gross farm income	do.	1,954	685	4,340	3,719	6,636	4,385	2,790
including contractors	do.	42,037	76,824	112,243	111,485	98,318	100,911	77,291
including contractors	uu.	46,007	10,024	112,245	111,405	30,510	100,511	//,291
Operating expenses								
excluding interest	do.	24,829	46,535	70,674	74,468	71,002	78,139	48,650
Cash income before	ما <i>م</i>	0 400	10 470	00 000		11 005		
interest is deducted Percent of farms with	do.	9,438	19,478	26,339	22,926	14,895	13,388	17,453
negative cash income	Percent	34.20	28,50	27,43	32.30	37.55	36.73	31.32
Interest expense	Dollars	435	2,690	9,616	15,287	15,624	19,699	5,700
Cash income after				-	• • • •			-,
interest is deducted	do.	9,003	16,788	16,723	7,639	-729	-6,311	11,753
Percent of farms with negative cash income	Percent	35.64	32 10	42.04	45 05	50.00	46 33	22.10
Total expenses	Percent	33.04	33.10	43.24	45.25	56.98	46.77	39.19
including depreciation	Dollars	29,259	57,185	90,330	98,532	93,963	104,660	61,327
Contractor expenses	do.	730	336	1,615	1,748	4,148	1,785	1,140
Total expenses								
including contractors	do.	29,989	57,522	91,945	100,280	98,111	106,445	62,467
Net cash farm income including contractors	do.	10,227	17,137	19,448	9,610	1,759	-3,711	13,403
Percent of farms with	ub.	10,227	17,137	13,440	3,010	1,755	-3,/11	13,403
negative NCFI	Percent	35.62	32.41	42.53	42.30	56.96	46.73	38.56
Net farm income	Dollars	10,824	18,954	17,573	9,234	-2,281	-8,134	13,174
Percent of farms with	Deveent	10.00	10.01			47 47		
negative net farm income Net farm income	Percent	19.98	19.91	32.21	42.11	47.07	59.15	27.17
including contractors	Dollars	12,048	19,303	20,297	11,205	207	-5,534	14,824
Percent of farms with		,			,	207	0,004	14,014
negative NFI	Percent	20.06	19.90	31.47	40.00	45.63	54.86	26.66
Estimated principal	0 - 11	•						
repayment Cash income after	Dollars	0	1,271	5,609	10,547	13,762	20,588	4,878
interest and principal								
are deducted	do.	9,003	15,517	11,114	-2,908	-14,491	-26,899	8,128
Percent of farms with								
negative cash income	Percent	35.64	36.88	52.63	63.84	65.71	75.77	45.13
Nonfarm income	Dollars	00 721	34 100	04 700	00 075	17 707		
Estimated family	UDITARS	20,731	34,126	24,756	22,275	17,707	34,542	24,282
living expenses	do.	19,200	19,200	19,200	19,200	19,200	19,200	19,200
Cash income after adding		,		,	20/200	20,200	10,200	10,200
nonfarm income and deducting								
family living expenses	do.	10,534	30,442	16,670	167	-15,984	-11,557	13,210
Percent of farms with negative income after								
principal and family living								
expenses are deducted	Percent	45.34	37.02	38.83	51.94	61.13	73.92	43.79
See footnotes at end of table.							Cor	ntinued

Appendix table 30--Combined farm income and cash-flow statement by region, January 1, 1989--Continued

	Debt/asset ratio							
		No	0.01-	0.11-	0.41-	0.71-	Over	A11
Northern Plains	Unit	debt	0.10	0.40	0.70	1.0	1.0	farms
Number of farms	Number	48,902	23,386	49,458	20,499	6,345	4,439	153,029
Percent of farms	Percent	31.95	15.28	32.31	13.39	4.14	2.90	100.00
Farm income:								
Livestock sales	Dollars	22,109	46,296	68,593	93,632	32,750	93,680	52,927
Crop sales	do.	15,700	26,931	36,525	35,760	39,917	42,996	28,630
Net change in CCC loans	do.	-734	-3,026	-3,959	-3,604	-4,355	-5,470	-2,798
Government payments	do.	6,525	14,311	14,688	16,892	18,988	11,835	12,413
Other farm income	do.	3,795	3,462	5,505	9,005	7,471	7,256	5,247
Gross cash farm income	do. do.	47,396	87,975	121,352	151,685	94,771	150,296	96,419
Nonmoney income Value of inventory change	do. do.	4,666 1,580	5,102 9,788	5,201 13,143	4,712 10,373	4,314 -1,737	1,964 -8,056	4,819 7,332
Gross farm income	do.	53,642	102,865	139,697	166,769	97,347	144,205	108,570
Estimated contractor income	do.	2,140	3,218	5,088	29,450	3,143	35,556	7,927
Gross farm income					• • • •			
including contractors	do.	.55,782	106,083	144,784	196,220	100,490	179,761	116,496
0								
Operating expenses	do.	27,463	57,939	88,451	110,214	71,067	110 040	67 350
excluding interest Cash income before	uo.	27,403	57,939	00,431	110,214	/1,00/	118,043	67,352
interest is deducted	do.	19,933	30,036	32,902	41,471	23,704	32,254	29,067
Percent of farms with		10,000	00,000	02,002		20,701	02,204	20,000
negative cash income	Percent	22.09	18.48	21.60	16.22	19.51	31.35	20.76
Interest expense	Dollars	556	3,682	9,516	17,677	15,787	13,647	7,234
Cash income after	· · · ·							
interest is deducted	do.	19,376	26,354	23,386	23,794	7,917	18,607	21,833
Percent of farms with								
negative cash income Total expenses	Percent	22.65	22.57	30.92	27.12	46.42	39.02	27.37
including depreciation	Dollars	33,661	71,459	109,038	140,388	94.835	137,588	83,646
Contractor expenses	do.	264	413	558	4,340	45	4,744	1,048
Total expenses		201			.,	10		1,010
including contractors	do.	33,925	71,871	109,595	144,728	94,880	142,332	84,695
Net cash farm income								
including contractors	do.	21,252	29,159	27,916	48,904	11,015	49,419	28,711
Percent of farms with	Deveent	22 64	20 57	20.20	20,00	42.40	20.20	
negative NCFI Net farm income	Percent Dollars	22.64 19,981	22.57 31,406	30.39 30,659	26.68	43.46	38.39	26.99
Percent of farms with	DUTIALS	15,501	31,400	30,039	26,381	2,512	6,616	24,923
negative net farm income	Percent	16.03	22.56	23.75	27.97	48.43	39.67	23.15
Net farm income					2, 10,		00.07	20115
including contractors	do.	21,857	34,211	35,189	51,492	5,611	37,428	31,802
Percent of farms with								•
negative NFI	Percent	15.99	22.33	23.23	25.47	45.16	38.87	22.44
Estimated principal								
repayment	Dollars	0	1,384	6,417	13,154	13,734	13,821	5,018
Cash income after interest and principal								
are deducted	do.	19,376	24,970	16,969	10,640	-5,817	4,786	16,815
Percent of farms with		10,070	24,070	10,000	10,040	5,017	4,700	10,013
negative cash income	Percent	22.65	24.51	38.79	41.79	49.98	66.59	33.12
Nonfarm income	Dollars	17,057	18,873	17,765	15,090.	21,367	14,339	17,400
Estimated family								
living expenses	do.	19,200	19,200	19,200	19,200	19,200	19,200	19,200
Cash income after adding nonfarm income and deducting								
family living expenses	do.	17,233	24,643	15,534	6,531	-3,650	-76	15 015
Percent of farms with		17,200	27,040	10,004	0,001	-3,030	-75	15,015
negative income after								
principal and family living								
expenses are deducted	Percent	38.71	34.16	34.20	51.33	67.68	56.19	39.96
See footnotes at end of table.							Co	ntinued

See footnotes at end of table.

		N-	<u></u>						
Appa lachian	Unit	No debt	0.01-	0.11-0.40	0.41-0.70	0.71- 1.0	0ver 1.0	All farms	
lumban of forms	Mk. e	101 007				4 455			
lumber of farms Percent of farms	Number Percent	164,327 59.61	39,194 14.21	49,046 17.79	14,681 5.32	4,955 1.79	3,437 1.24	275,63 100.0	
arm income:	0-11	c	15 171	14 054	10.100				
Livestock sales Crop sales	Dollars do.	6,992 8,384	15,171 17,140	14,854 21,614	16,160 39,544	35,394	13,992	10,6	
Net change in CCC loans	do.	0,304 -9	28	-45	-2,382	79,728 -770	47,955 -155	15,4 -1	
Government payments	do.	512	1,695	1,805	3,189	2,681	1,897	1,1	
Other farm income	do.	777	2,806	3,663	5,025	7,810	9,279	2,0	
Gross cash farm income	do.	16,656	36,840	41,891	61,537	124,842	72,968	29,0	
Nonmoney income	do.	6,136	8,947	7,752	6,246	7,853	4,677	6,8	
Value of inventory change	do.	134	349	2,355	3,977	-4,049	-18,206	4	
Gross farm income	do.	22,926	46,136	51,998	71,760	128,647	59,440	36,3	
Estimated contractor income Gross farm income	do.	532	13,257	17,717	19,429	58,234	586	7,4	
including contractors	do.	23,458	59,393	69,716	91,189	186,881	60,026	43,8	
Operating expenses excluding interest	do.	13,634	25 105	33,517	27 562	E4 201	20 201		
Cash income before			25,106		37,563	54,291	38,361	21,1	
interest is deducted Percent of farms with	do.	3,023	11,734	8,374	23,974	70,551	34,607	7,9	
negative cash income	Percent	45.98	47.32	54.20	40.11	32.56	50.17	47.	
Interest expense Cash income after	Dollars	202	1,224	4,653	7,192	16,712	21,582	2,0	
interest is deducted Percent of farms with	do.	2,821	10,510	3,721	16,782	53,839	13,025	5,8	
negative cash income Total expenses	Percent	46.66	51.52	61.69	51.62	56.49	72.38	50	
including depreciation	Dollars	15,212	29,219	42,377	48,550	75.474	64,700	25,	
Contractor expenses Total expenses	do.	429	4,549	10,631	13,331	41,898	7,324	4,3	
including contractors Net cash farm income	do.	15,641	33,769	53,008	61,881	117,372	72,025	29,8	
including contractors Percent of farms with	do.	2,924	19,218	10,808	22,881	70,176	6,287	8,9	
negative NCFI	Percent	46.69	50.32	61.24	51.70	56.49	72.38	50	
Net farm income	Dollars	7,714	16,917	9,621	23,210	53,172	-5,260	10,8	
Percent of farms with	bornars	,,,,,,	10,517	3,021	23,210	33,172	-3,200	10,0	
negative net farm income Net farm income	Percent	13.28	20.39	32.23	20.02	46.96	59.19	19	
including contractors Percent of farms with	Dollars	7,817	25,624	16,708	29,309	69,509	-11,999	13,9	
negative NFI Estimated principal	Percent	13.32	19.20	31.96	19.54	46.96	59.08	18.	
repayment Cash income after	Dollars	0	967	4,196	7,090	13,577	20,294	1,7	
interest and principal are deducted	do.	2,821	9,543	-475	9,692	40,262	-7,269	4,1	
Percent of farms with negative cash income	Percent	46.66	58.13	74.45	68.47	68.35	88.88	55.	
Nonfarm income	Dollars	23,271	28,123	34,006	29,864	31,006	18,300	26,2	
Estimated family living expenses	do.	19,200	19,200	19,200	19,200	19,200	19,200	19,2	
Cash income after adding nonfarm income and deducting family living expenses Percent of farms with negative income after	do.	6,891	18,466	14,330	20,356	52,068	-8,169	11,2	
principal and family living expenses are deducted	Percent	57.90	46.36	43.42	34.75	57.26	84.64	52.	

Appendix table 30--Combined farm income and cash-flow statement by region, January 1, 1989--Continued

	Debt/asset ratio								
Southoast		No	0.01-	0.11-	0.41-	0.71-	Over	A11	
Southeast	Unit	debt	0.10	0.40	0.70	1.0	1.0	farms	
Number of farms	Number	89,596	20,208	24,199	10,157	1.465	911	146,536	
Percent of farms	Percent	61.14	13.79	16.51	6.93	.99	. 62	100.00	
Farm income:									
Livestock sales	Dollars	6,150	21,312	37,046	22,870	32,108	39,635	14,970	
Crop sales	do.	12,018	75,928	40,434	35,294	79,213	89,383	28,290	
Net change in CCC loans	do.	49	32	-1,385	558	1,940	3,939	-112	
Government payments	do.	434	2,027	3,411	2,775	6,003	9,071	1,417	
Other farm income	do.	1,723	7,555	6,996	6,645	14,974	17,583	3,971	
Gross cash farm income	do.	20,375	106,853	86,503	68,142	134,238	159,612	48,536	
Nonmoney income	do.	7,067	9,950	9,344	8,877	8,058	2,873	7,950	
Value of inventory change	do.	-373	406	2,617	1,785	4,865	1,103	439	
Gross farm income	do.	27,068	117,209	98,465	78,804	147,162	163,587	56,925	
Estimated contractor income Gross farm income	do.	5,560	21,373	37,296	46,147	111,226	228,429	18,237	
including contractors	do.	32,628	138,582	135,761	124,951	258,388	392,016	75,162	
Operating expenses									
excluding interest Cash income before	do.	15,280	90,825	68,935	48,648	94,739	144,312	38,468	
interest is deducted Percent of farms with	do.	5,094	16,028	17,568	19,493	39,500	15,300	10,068	
negative cash income	Percent	56.37	56.42	44.97	44.48	23.25	52.75	53.32	
Interest expense	Dollars	175	3,713	7,157	9,848	12.865			
Cash income after	Duriars	1/5	5,715	/,15/	9,040	12,005	14,415	2,702	
interest is deducted	do.	4,919	12,315	10,412	9,646	26,635	885	7,366	
Percent of farms with negative cash income	Percent	56.93	57.71	54.35	60.24	37.19	62.78	56.68	
Total expenses including depreciation	Dollars	16,702	100,708	83,537	64,710	118,156	167,743	44,605	
Contractor expenses	do.	2,668	1,510	7,023	32,092	83,597	20,524	6,187	
Total expenses including contractors	do.	19,370	102,218	90,560	96,802	201,753	188,267	50,792	
Net cash farm income						-			
including contractors Percent of farms with	do.	7,811	32,178	40,685	23,701	54,264	208,789	19,415	
negative NCFI	Percent	57.11	57.68	53.98	57.34	45.05	62.18	56.60	
Net farm income	Dollars	- 10,367	16,500	14,928	14,094	29,005	-4,155	12,320	
Percent of farms with negative net farm income	Percent	14.60	29.44	37.57	36.05	25.37	64.10	22.34	
Net farm income including contractors	Dollars								
Percent of farms with		13,259	36,364	45,201	28,149	56,634	203,749	24,370	
negative NFI Estimated principal	Percent	14.58	29.29	37.20	38.01	33.23	63.50	22.46	
repayment Cash income after	Dollars	0	1,902	5,908	8,826	17,641	16,552	2,129	
interest and principal are deducted	da	4 010	10 412	4 504	000	0.004		F 003	
Percent of farms with	do.	4,919	10,413	4,504	820	8,994	-15,667	5,237	
negative cash income	Percent	56.93	60.56	59.60	70.32	52.62	74.11	58.86	
Nonfarm income Estimated family	Dollars	25,135	60,990	39,335	25,480	19,486	20,585	32,364	
living expenses Cash income after adding	do.	19,200	19,200	19,200	19,200	19,200	19,200	19,200	
nonfarm income and deducting family living expenses Percent of farms with negative income after	do.	10,855	52,203	24,639	7,100	9,280	-14,282	18,401	
principal and family living expenses are deducted	Percent	52.99	48.43	29.33	44.87	41.53	33.92	47.66	
See footnotes at end of table.							Cor	ntinued	

Appendix table 30Combined farm income a	nd cash-flow statement by region.	January 1, 1989Continued

		NI	<u></u>		<u>bt/asset r</u>			
Delta	Unit	No debt	0.01- 0.10	0.11- 0.40	0.41- 0.70	0.71-	Over 1.0	All farms
Number of farms	Number	56,779	16,483	18,088	6,912	1,683	1,663	101,608
Percent of farms	Percent	55.88	16.22	17.80	6.80	1.65	1.63	100.00
Farm income:	0-11	5 0 4 7						
Livestock sales Crop sales	Dollars do.	5,847 12,484	18,013 24,361	14,953 39,856	22,544 42,709	26,390 41,649	1,101	10,840
Net change in CCC loans	do.	3,294	3,505	4,614	42,709	3,557	44,306 5,593	22,344 3,684
Government payments	do.	2,979	5,774	6,893	9,838	10,692	10,714	4,850
Other farm income	do.	1,993	5,864	3,388	11,124	3,873	1,868	3,520
Gross cash farm income	do.	26,598	57,518	69,705	90,666	86,161	63,582	45,238
Nonmoney income	do.	5,672	9,227	7,001	5,406	5,060	2,594	6,407
Value of inventory change	do.	1,223	9,385	6,530	1,669	666	2,652	3,536
Gross farm income	do.	33,493	76,130	83,236	97,740	91,886	68,828	55,181
Estimated contractor income Gross farm income	do.	5,198	24,005	10,171	110,832	5,732	0	16,244
including contractors	do.	38,691	100,135	93,407	208,572	97,618	68,828	71,425
Operating expenses	-1							
excluding interest Cash income before	do.	17,739	43,092	48,392	59,799	74,247	50,239	31,638
interest is deducted Percent of farms with	do.	8,859	14,426	21,314	30,867	11,914	13,343	13,600
negative cash income	Percent	47.30	46.42	48.15	29.33	65.95	54.34	46.51
Interest expense Cash income after	Dollars	637	3,450	5,208	12,938	14,347	4,775	3,039
interest is deducted	do.	8,222	10,976	16,105	17,929	-2,433	8,568	10,562
Percent of farms with negative cash income	Percent	48.35	50.86	58.30	39.12	72.33	63.56	50.55
Total expenses including depreciation	Dollars	20,895	51,589	60,715	84,809	97,315	60,538	39,225
Contractor expenses Total expenses	do.	5,871	20,546	7,287	69,086	5,236	00,000	12,697
including contractors	do.	26,766	72,135	68,002	153,895	102,550	60,538	51,922
Net cash farm income including contractors	do.	7,549	14,435	18,989	59,675	-1,937	8,568	14,108
Percent of farms with negative NCFI	Percent	49.21	52.86	58.53	43.87	72.33	63.56	51.72
Net farm income Percent of farms with	Dollars	12,599	24,541	22,522	12,931	-5,429	8,291	15,956
negative net farm income Net farm income	Percent	14.61	22.02	14.59	42.10	39. <b>0</b> 3	40.31	18.50
including contractors	do.	11,925	28,001	25,405	54,677	-4,933	8,291	19,503
Percent of farms with negative NFI	Percent	14.95	24.01	14.82	37.35	39.03	40.31	18.74
Estimated principal repayment	Dollars	0	1,313	3,920	11,184	12,256	19,875	2,200
Cash income after interest and principal								
are deducted Percent of farms with	do.	8,222	9,663	12,185	6,745	-14,689	-11,307	8,362
negative cash income	Percent	48.35	56.83	70.08	62.57	81.49	81.28	55.65
Nonfarm income	Dollars	24,577	27,001	27,986	33,368	18,397	15,706	25,928
Estimated family living expenses Cash income after adding	do.	19,200	19,200	19,200	19,200	19,200	19,200	19,200
nonfarm income and deducting family living expenses Percent of farms with negative income after	do.	13,599	17,464	20,971	20,913	-15,492	-14,801	15,089
principal and family living expenses are deducted	Percent	55.26	39.98	37.38	33.90	49.76	86.55	48.57
See footnotes at end of table.							Cor	tinued

Southern Plains         Unit         debt         0.10         0.40         0.70         1.0         1.0           Number of farms         Number         117,772         32,683         42,185         14,700         8,600         3,685           Percent of farms         Percent         53,62         14,88         19,20         6,803         3,685           Crop sales         Dollars         12,824         46,475         49,815         42,509         62,873         25,188           Crop sales         do.         9,645         42,024         48,475         49,815         42,509         62,873         25,188           Corp sales         do.         1,444         4,200         4,311         62,327         16,94         1,904         3,302           Other farm income         do.         2,837         7,238         6,561         7,118         3,475         1,297           Ya Lie of inventory change         do.         -337         223         2,702         10,044         5,421         12,270           Taile of inventory change         do.         3,357         97,239         98,874         101,016         27,658         79,286           Opercing expenses         do.         2,0,913 </th <th></th> <th></th> <th>No</th> <th>0.01-</th> <th>0.11-</th> <th><u>ot/asset_ra</u> 0.41-</th> <th>0.71-</th> <th>Over</th> <th>A11</th>			No	0.01-	0.11-	<u>ot/asset_ra</u> 0.41-	0.71-	Over	A11
ercent of fame         Percent         53.62         14.88         19.20         6.69         3.91         1.67           arm income:         Livestock sales         Dollars         12,824         48,475         49,815         42,509         62,873         25,189           Crop sales         do.         9,665         9,674         23,924         24,034         46,801         21,986           Matchings         do.         1,445         3,732         7,386         8,272         10,158         9,333           Government payments         do.         1,445         3,732         7,386         8,272         10,158         9,325           Value of inventory change         do.         -587         223         2,702         10,044         5,421         12,277           Value of inventory change         do.         3,537         97,107         13,137         79,283           Gross farm income         do.         3,537         97,239         98,874         101,010         276,588         79,266           Operating expenses         do.         20,913         59,573         69,235         74,161         124,647         57,681           Including contractors         do.         2,943         3,962 <th>Southern Plains</th> <th>Unit</th> <th></th> <th>0.10</th> <th>0.40</th> <th>0.70</th> <th>1.0</th> <th>1.0</th> <th>farms</th>	Southern Plains	Unit		0.10	0.40	0.70	1.0	1.0	farms
ercent of farms         Percent         53.62         14.88         19.20         6.69         3.91         1.67           arm income:         Livestock sales         Dollars         12,824         48,475         49,815         42,509         62,873         25,189           Crop sales         do.         5,665         9,674         23,924         24,034         46,801         21,984           Met change in CCC loans         do.         1,445         3,732         7,386         8,272         10,158         9,333           Government payments         do.         1,445         3,732         7,386         8,272         10,158         9,323           Gross cash farm income         do.         26,189         66,611         87,78         79,547         13,841         65,886           Gross farm income         do.         32,377         71,07         79,547         13,941         10,016         276,558         79,268           Gross farm income         do.         32,357         74,161         124,647         57,681           Cash income before         including contractors         do.         5,276         7,038         18,543         5,386         59,194         8,015           Percent of farms with<									
Autom         Dillars         12,824         48,475         48,815         42,509         62,873         25,189           Livestock sales         Dollars         do.         9,685         9,674         23,924         24,034         46,601         31,030           Net change in CCC loans         do.         1,445         3,732         7,396         8,272         10,159         9,322           Other farm income         do.         1,445         3,732         7,795         8,754         18,944         5,807         43,11         3,637         62,104         5,861         7,516         3,875         1,272         10,158         9,728         7,547         183,941         2,372         10,044         5,421         2,702         10,044         5,421         2,72         10,044         5,421         2,72         10,044         5,421         2,72         10,044         5,421         2,72         10,044         5,451         2,23         4,13         3,909         83,451         2,23         10,044         5,451         3,537         7,239         99,874         10,016         276,588         79,286           Operating expenses         do.         2,0,913         59,573         69,235         74,161         124,647<									219,62
Livestock sales Dollars 12,024 48,475 49.815 42.509 62,073 25,189 Crop sales do. 9,665 9,674 23,924 24,034 46,801 21,986 Grosn cash payments do. 1,445 3,732 7,396 8,272 10,159 9,322 Other farm income do. 1,594 3,620 4,311 3,637 79,547 183,841 65,666 Normoney income do. 26,199 66,611 87,778 79,547 183,841 65,666 Normoney income do. 32,394 74,169 97,060 97,107 183,137 79,263 Estimated contractor income do. 31,537 97,239 98,874 101,016 276,588 79,286 Operating expenses excluding interest do. 33,537 97,239 98,874 101,016 276,588 79,286 Operating expenses excluding interest do. 20,193 59,573 69,235 74,161 124,647 57,681 Cash income before interest is deducted do. 5,276 7,038 16,543 5,386 59,194 8,015 Parcent of farms with negative cash income Percent 56,19 52,23 41,23 49,73 34,97 62,84 Therest is deducted do. 4,926 3,982 10,574 -5,773 46,742 -7,447 Parcent of farms with negative cash income Percent 56,43 64,62 55,83 55,52 38,67 7,618 Cash income after interest is deducted do. 2,26,59 68,012 83,821 91,861 145,668 77,515 Contractor expense do. 23,679 68,012 83,821 91,861 145,668 77,518 Contactor expense do. 2,26,59 64,012 83,821 91,861 145,668 77,518 Contactor expense do. 2,26,59 64,012 83,821 91,861 145,668 77,518 Contactor expense do. 2,26,59 64,513 55,82 54,93 38,67 65,82 70,818 Parcent of farms with negative cash income Percent 56,79 64,513 55,82 54,93 38,67 65,82 70,818 Parcent of farms with negative NCFI Percent 56,79 64,513 58,20 40,41 37,61 75,88 Percent of farms with negative NFI Percent 25,68 41,55 38,20 40,41 37,61 75,88 Percent of farms with negative NFI Percent 25,618 41,55 38,20 40,41 37,61 75,88 Percent of farms with negative NFI Percent 56,79 64,51 55,82 54,93 38,67 65,28 41,24 49,73 1,748 Percent of farms with negative NFI Percent 25,68 41,55 38,20 40,41 37,61 75,88 Percent of farms with negative NFI Percent 25,68 41,55 38,20 40,41 37,61 75,88 Percent of farms with negative NFI Percent 26,03 41,53 38,17 39,40 37,12 75,88 Percent of farms with negative NFI Percent 26,03 41,53 38,17 39,40 37,12 75,88 P	ercent of farms	Percent	53.62	14.88	19.20	0.09	3.91	1.0/	100.0
Crop sales         do.         9,685         9,674         23,924         24,034         46,601         21,986           Net change in CCC loans         do.         1,445         3,732         7,396         8,272         10,158         9,322           Government payments         do.         1,445         3,722         7,396         8,272         10,158         9,322           Gross cash farm income         do.         25,852         7,335         6,811         87,778         79,157         12,970           Yalue of inventory change         do.         -387         223         2,702         10,014         5,456           Gross farm income         do.         32,334         74,169         97,600         97,107         133,137         79,285           Gross farm income         do.         33,537         97,239         98,874         101,016         276,588         79,286           Operating expenses         excluding interest         do.         5,276         7,038         18,543         5,386         59,194         8,015           Percent of farm with         Percent         56,43         64,62         55,83         55,62         38,67         65,82           Interest expense         Dollars	arm income:								
iet change in CCC leans         do.         641         911         2.332         1.094         3.303           Covernment payments         do.         1.594         3.620         7.335         6.521         210.159         9.322           Other farm income         do.         1.594         3.620         4.311         3.637         62.104         5.886           Normoney income         do.         6.592         7.335         6.581         7.516         3.875         1.287           Value of inventory change         do.         -377         22.3702         10.044         5.421         12.270           Strass farm income         do.         1.143         23.070         1.614         3.099         83.451         23           Operating expenses         excluding interest         do.         20.913         59.573         69.235         74.161         124.647         57.681           Cash income before         interest is deducted         do.         52.23         41.23         49.73         34.97         62.64           Cash income         Percent         56.19         52.23         41.23         49.73         34.97         62.64           Cash income         Percent         56.19         5									29,38
Government payments         do.         1,445         3,732         7,396         8.272         10,158         9,322           Other farm income         do.         1,543         3,620         4,311         3,637         62,104         5,866           Forms farm income         do.         25,189         86,611         87,778         79,547         183,841         65,666           Somson farm income         do.         -387         223         2,702         10,044         5,485         23           Sorss farm income         do.         32,397         74,169         97,607         193,137         79,285           Governin income         do.         32,377         98,874         101,016         276,588         79,286           Operating expenses         excluding interest         do.         50,573         69,235         74,161         124,647         57,661           Cash income         Percent         56.19         52,23         41,23         49,73         34,97         62,84           Interest sequence         do.         4,926         3,982         10,574         -5,773         46,742         -7,447           Percent of farms with         percent         56.43         64.62         55									15,00
Other farm income         do.         1.594         3.620         4.311         3.637         62.104         5.686           Normoney income         do.         6.582         7.335         6.581         7.516         3.875         7.217           Yelue of inventory change         do.         32.324         7.4169         97.060         97.107         193.137         79.283           Stimated contractor income         do.         33.537         97.239         98.674         101.016         276.588         79.286           Operating expenses         excluding interest         do.         33.537         67.235         74.161         124.647         57.681           Interest is deducted         do.         52.76         7.038         18.543         5.386         59.194         8.015           Percent of farms with         negative cash income         Percent         56.19         52.23         41.23         49.73         34.97         62.64           Interest is deducted         do.         4.926         3.982         10.574         -5.773         46.742         -7.447           Percent of farms with         negative cash income         Percent 56.43         64.62         55.83         55.62         38.67         65.82									3,8
Gross cash farm income         do.         25,189         66,611         87,778         75,47         183,841         65,692           Value of inventory change         do.         -387         223         2,702         10,044         5,421         12,270           Value of inventory change         do.         32,347         74,169         97,060         97,107         193,137         79,283           Estimated contractor income         do.         32,334         74,169         97,060         97,107         193,137         79,283           Operating expenses         do.         33,537         97,239         98,674         101,016         276,588         79,286           Operating expenses         excluding interest         do.         59,573         69,235         74,161         124,647         57,681           Cash income before         interest is deducted         do.         5,276         7,038         16,543         53,865         9,194         8,015           Cash income after         interest is deducted         do.         4,926         3,982         10,574         -5,773         46,742         -7,447           Percent of farms with         Dollars         23,679         68,012         83,821         91,861         <					•				4,9
Nonmoney income         do.         6.592         7.335         6.561         7.516         3.875         1.227           Gross farm income         do.         32.334         74.169         97.060         97.107         193.137         79.263           Gross farm income         do.         33.537         97.239         98.874         101.016         276.588         79.263           Operating expenses         excluding interest         do.         33.537         97.239         98.874         101.016         276.588         79.286           Operating expenses         excluding interest         do.         20.913         59.573         69.235         74.161         124.647         57.661           Cash income before         interest is deducted         do.         5.276         7.038         18.543         5.386         59.194         8.015           Percent of farms with         percent         56.19         52.23         41.23         49.73         34.97         62.84           Interest is deducted         do.         4.926         3.982         10.574         -5.773         46.742         -7.447           Percent of farms with         percent         56.43         64.62         55.83         55.62         38.67									54,4
cross farm income         do.         32,334         74,169         97,060         97,107         193,137         79,263           Estimated contractor income         do.         1,143         23,070         1,814         3,909         83,451         23           Operating expenses         excluding interest         do.         33,537         97,239         98,874         101,016         276,588         79,286           Operating expenses         excluding interest         do.         20,913         59,573         69,235         74,161         124,647         57,681           Cash income before         interest is deducted         do.         5,276         7,038         18,543         5,386         59,194         8,015           Percent of farms with         negative cash income         Percent         56.19         52.23         41.23         49,73         34.97         62.84           Interest is deducted         do.         4,926         3,982         10,574         -5,773         46,742         -7,447           Percent of farms with         nocme         Percent         56.43         64.62         55.83         55.62         38.67         65.82           Total expenses         do.         23,679         68,012							3,875		6,5
Estimated contractor income         do.         1,143         23,070         1,814         3,909         83,451         23           Gross farm income         including contractors         do.         33,537         97,239         98,874         101,016         276,588         79,286           Operating expenses         excluding interest         do.         20,913         59,573         69,235         74,161         124,647         57,681           Cash income before         interest is deducted         do.         5,276         7,038         18,543         5,386         59,194         8,015           Percent of farms with         negative cash income         Percent of farms with         12,451         15,462           Cash income after         do.         4,926         3,982         10,574         -5,773         46,742         -7,447           Percent of farms with         negative cash income         Percent         56.43         64.62         55.83         55.62         38.67         65.82           Total expenses         do.         23,679         68,012         83,821         91,861         145,698         77,515           Total expenses         do.         23,681         72,159         84,754         91,901         148,4		do.	-387		-				1,4
Gross farm income including contractors         do.         33,537         97,239         98,874         101,016         276,588         79,286           Operating expenses excluding interest         do.         20,913         59,573         69,235         74,161         124,647         57,681           Cash income before interest is deducted         do.         5,276         7,038         18,543         5,386         59,194         8,015           Percent of farms with negative cash income         Percent         56,19         52,23         41,23         49,73         34,97         62,84           Interest is deducted         do.         4,926         3,982         10,574         -5,773         46,742         -7,447           Percent of farms with negative cash income         Percent         56,43         64,62         55.83         55.62         38.67         65.82           Total expenses         do.         23,679         68,012         83,821         91,861         145,698         77,515           Contractor expenses         do.         23,687         64,53         55.82         54,93         38.67         65.82           Contactors         do.         6,067         22,906         11,456         -1,905         127,408         <									62,4
including contractors         do.         33,537         97,239         98,874         101,016         276,588         79,286           Operating expenses excluding interest         do.         20,913         59,573         69,235         74,161         124,647         57,681           Cash income before interest is deducted         do.         5,276         7,038         18,543         5,386         59,194         8,015           Percent of farms with negative cash income         Percent         56.19         52.23         41.23         49.73         34.97         62.84           Cash income after interest is deducted         do.         4,926         3,982         10,574         -5,773         46,742         -7,447           Percent of farms with negative cash income         Percent         56.43         64.62         55.83         55.62         38.67         65.82           Total expenses         do.         23,697         68.012         83,821         91,861         145,698         77,515           Total expenses         do.         23,687         72,159         84,754         91,901         148,483         77,638           Net cash farm income         Dollars         8,715         6,157         13,240         5,246         47,439 <td></td> <td>do.</td> <td>1,143</td> <td>23,070</td> <td>1,814</td> <td>3,909</td> <td>83,451</td> <td>23</td> <td>7,9</td>		do.	1,143	23,070	1,814	3,909	83,451	23	7,9
Operating expenses excluding interest         do.         20,913         59,573         69,235         74,161         124,647         57,681           Cash income before interest is deducted         do.         5,276         7,038         18,543         5,386         59,194         8,015           Percent of farms with interest is deducted         do.         5,276         7,038         18,543         5,386         59,194         8,015           Cash income after         Dollars         350         3,055         7,968         11,160         12,451         15,462           Cash income after         do.         4,926         3,982         10,574         -5,773         46,742         -7,447           Percent of farms with including depreciation         Dollars         23,679         68,012         83,821         91,861         145,698         77,515           Contractor expenses         do.         23,681         72,159         84,754         91,901         148,483         7,638           Including contractors         do.         6,067         22,906         11,456         -1,905         127,408         -7,546           Percent of farms with negative net farm income         Dollars         8,715         6,157         13,240         5,246		مام	22 627	07 220	00 074	101 016	276 599	70 296	70,3
excluding interest         do.         20,913         59,573         69,235         74,161         124,647         57,681           Cash income before interest is deducted         do.         5,276         7,038         18,543         5,386         59,194         8,015           Percent of farms with interest expense         Dollars         350         3,055         7,968         11,160         12,451         15,462           Cash income after         interest is deducted         do.         4,926         3,962         10,574         -5,773         46,742         -7,447           Percent of farms with including depreciation         Dollars         23,679         68,012         83,821         91,861         145,698         77,515           Contractor expenses         do.         2,867         64,62         55.83         55.62         38.67         65.82           Including contractors         do.         23,681         72,159         84,754         91,901         148,483         77,638           Including contractors         do.         6,067         22,906         11,456         -1,905         127,408         -7,546           Percent of farms with         negative NCFI         Percent         56.79         64.53         55.82	including contractors	d0.	33,537	97,239	90,0/4	101,016	270,300	/9,200	70,5
Cash income before interest is deducted         do.         5,276         7,038         18,543         5,386         59,194         8,015           Percent of farms with negative cash income         Percent         56.19         52.23         41.23         49,73         34.97         62.84           Cash income after interest is deducted         do.         4,926         3,982         10,574         -5,773         46,742         -7,447           Percent of farms with negative cash income         Percent         56.43         64.62         55.83         55.62         38.67         65.82           Total expenses         do.         23,679         68,012         63,821         91,861         145,698         77,513           Total expenses         do.         23,681         72,159         84,754         91,901         148,483         77,638           Net cash farm income         bollars         6,067         22,906         11,456         -1,905         127,408         -7,546           Percent of farms with         Percent         56.79         64,53         55.82         54,93         38.67         65.82           Percent of farms with         Dollars         8,715         61,57         13,240         5,246         47,439         1,		مله	20 012	50 573	60 225	74 161	124 647	57 601	44,1
interest is deducted         do.         5,276         7,038         18,543         5,386         59,194         8,015           Percent of farms with interest expense         Dollars         350         3,055         7,988         11,160         12,451         15,462           Cash income after interest is deducted         do.         4,926         3,982         10,574         -5,773         46,742         -7,447           Percent of farms with megative cash income         Percent         56.43         64.62         55.83         55.62         38.67         65.82           Total expenses         do.         2         4,147         933         40         2,785         123           including contractors         do.         23,681         72,159         84,754         91,901         148,483         77,638           Net cash farm income         do.         6,067         22,906         11,456         -1,905         127,408         -7,546           Percent of farms with negative NCFI         Percent         56,79         64,53         55.82         54.93         38.67         65.82           Net farm income         Dollars         8,715         6,157         13,240         5,246         47,439         1,748	excluding interest	d <b>o</b> .	20,913	59,573	09,235	74,101	124,04/	57,001	44,1
Percent of farms with negative cash income       Percent       56.19       52.23       41.23       49.73       34.97       62.84         Cash income after interest is deducted       do.       4,926       3,982       10,574       -5,773       46,742       -7,447         Percent of farms with negative cash income       Percent       56.43       64.62       55.83       55.62       38.67       65.82         Total expenses       do.       23,679       68,012       83,821       91,861       145,698       77,515         Contractor expenses       do.       23,681       72,159       84,754       91,901       148,483       77,638         Including contractors       do.       6,067       22,906       11,456       -1,905       127,408       -7,546         Percent of farms with       negative NCFI       Percent       56.79       64.53       55.82       54.93       38.67       65.82         Net farm income       Dollars       8,715       61.57       13,240       5,246       47,439       1,748         Percent of farms with       negative NCFI       Percent       26.03       41.53       38.17       39.40       37.12       75.98         Net farm income       Dollars       9,85		do	5 276	7.038	18.543	5.386	59,194	8.015	10,2
negative cash income         Percent         56.19         52.23         41.23         49.73         34.97         62.84           Interest expense         Dollars         350         3,055         7,968         11,160         12,451         15,462           Cash income after         do.         4,926         3,982         10,574         -5,773         46,742         -7,447           Percent of farms with         negative cash income         Percent         56.43         64.62         55.83         55.62         38.67         65.82           Total expenses         do.         23,679         68.012         83,821         91,861         145,698         77,515           Contractor expenses         do.         23,679         68.012         83,821         91,861         145,698         77,515           Contractor expenses         do.         23,681         72,159         84,754         91,901         148,483         77,638           Net cash farm income         including contractors         do.         6,067         22,906         11,456         -1,905         127,408         -7,546           Percent of farms with         negative NCFI         Percent         25.68         41.53         38.20         40.41         3			0,270	,,	10,010	0,000		.,	
Interest expense         Dollars         350         3,055         7,968         11,160         12,451         15,462           Cash income after         interest is deducted         do.         4,926         3,982         10,574         -5,773         46,742         -7,447           Percent of farms with         negative cash income         Percent         56,43         64,62         55.83         55.62         38.67         65.82           Total expenses         do.         2         4,147         933         40         2,785         123           Total expenses         do.         23,681         72,159         84,754         91,901         148,483         77,638           Net cash farm income         including contractors         do.         6,067         22,906         11,456         -1,905         127,408         -7,546           Percent of farms with         negative NCFI         Percent         56,79         64,53         55.82         54.93         38.67         65.82           Net farm income         Dollars         8,715         6,157         13,240         5,246         47,439         1,748           Percent of farms with         negative net farm income         Dollars         9,856         25,080		Percent	56.19	52.23	41.23	49.73	34.97	62.84	51.
interest is deducted       do.       4,926       3,982       10,574       -5,773       46,742       -7,447         Percent of farms with       negative cash income       Percent       56.43       64.62       55.83       55.62       38.67       65.82         Total expenses       including depreciation       Dollars       23,679       68,012       83,821       91,861       145,698       77,515         Contractor expenses       do.       2       4,147       933       40       2,785       123         Total expenses       including contractors       do.       23,681       72,159       84,754       91,901       148,483       77,638         Net cash farm income       do.       6,067       22,906       11,456       -1,905       127,408       -7,546         Percent of farms with       negative NCFI       Percent       56.79       64.53       55.82       54.93       38.67       65.82         Percent of farms with       negative net farm income       Dollars       9,856       25,080       14,121       9,114       128,105       1,648         Percent of farms with       negative NFI       Percent       26.03       41.53       38.17       39.40       37.12       75.98 <td></td> <td>Dollars</td> <td>350</td> <td>3,055</td> <td>7,968</td> <td>11,160</td> <td>12,451</td> <td>15,462</td> <td>3,6</td>		Dollars	350	3,055	7,968	11,160	12,451	15,462	3,6
Percent of farms with negative cash income         Percent         56.43         64.62         55.83         55.62         38.67         65.82           Total expenses including depreciation         Dollars         23,679         68,012         83,821         91,861         145,698         77,515           Contractor expenses including contractors         do.         23,681         72,159         84,754         91,901         148,483         77,638           Net cash farm income         do.         6,067         22,906         11,456         -1,905         127,408         -7,546           Percent of farms with negative NCFI         Percent         56.79         64.53         55.82         54.93         38.67         65.82           Net farm income         Dollars         8,715         6,157         13,240         5,246         47,439         1,748           Percent of farms with negative net farm income         Percent         26.03         41.55         38.20         40.41         37.61         75.98           Net farm income         Dollars         9,856         25,080         14,121         9,114         128,105         1,648           Percent of farms with negative NFI         Percent         26.03         41.53         38.17         39.40 <td>Cash income after</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Cash income after								
negative cash income         Percent         56.43         64.62         55.83         55.62         38.67         65.82           Total expenses         do.         23,679         68,012         83,821         91,861         145,698         77,515           Contractor expenses         do.         23,681         72,159         84,754         91,901         148,483         77,638           Net cash farm income         including contractors         do.         60,067         22,906         11,456         -1,905         127,408         -7,546           Percent of farms with         negative NCFI         Percent         56.79         64.53         55.82         54.93         38.67         65.82           Net farm income         Dollars         8,715         6,157         13,240         5,246         47,439         1,748           Percent of farms with         negative net farm income         Percent         25.68         41.55         38.20         40.41         37.61         75.98           Net farm income         percent         26.03         41.53         38.17         39.40         37.12         75.98           Estimated principal         repayment         Dollars         0         1,809         5,854         9		do.	4,926	3,982	10,574	-5,773	46,742	-7,447	6,5
Total expenses including depreciationDollars23,67968,01283,82191,861145,69877,515Contractor expensesdo.23,67968,01283,82191,861145,69877,515Contractor expensesdo.23,67968,01283,82191,861145,69877,515Contractor expensesdo.23,67968,01283,82191,861145,69877,515Contractor expensesdo.23,67968,01283,82191,861145,69877,515Contractor expensesdo.23,67968,01283,82191,901148,48377,638Met colspan="4">ATT form incomeincluding contractorsdo.6,06722,90611,456-1,905127,408-7,546Percent of farms withnegative NFIPercent25,6841,1219,114128,1051,648Percent of farms with<			50 40	CA CO	EE 03	EE 60	20 67	65 00	EC
including depreciation         Dollars         23,679         68,012         83,821         91,861         145,698         77,515           Contractor expenses         do.         2         4,147         933         40         2,785         123           Total expenses         do.         23,681         72,159         84,754         91,901         148,483         77,638           Net cash farm income         including contractors         do.         6,067         22,906         11,456         -1,905         127,408         -7,546           Percent of farms with         negative NCFI         Percent         56,79         64,53         55.82         54.93         38.67         65.82           Vet farm income         Dollars         8,715         6,157         13,240         5,246         47,439         1,748           Percent of farms with         negative net farm income         Percent         26.68         41.55         38.20         40.41         37.61         75.98           Net farm income         percent         26.03         41.53         38.17         39.40         37.12         75.98           Estimated principal         repayment         Dollars         0         1,809         5,854         9,694		Percent	50.45	04.02	33.63	55.62	30.0/	05.02	56.
Contractor expenses         do.         2         4,147         933         40         2,785         123           Total expenses         including contractors         do.         23,681         72,159         84,754         91,901         148,483         77,638           Net cash farm income         including contractors         do.         6,067         22,906         11,456         -1,905         127,408         -7,546           Percent of farms with         negative NCFI         Percent         56,79         64,53         55.82         54.93         38.67         65.82           Net farm income         Dollars         8,715         6,157         13,240         5,246         47,439         1,748           Percent of farms with         negative net farm income         Percent         25.68         41.55         38.20         40.41         37.61         75.98           Net farm income         Dollars         9,856         25,080         14,121         9,114         128,105         1,648           Percent of farms with         negative NFI         Percent         26.03         41.53         38.17         39.40         37.12         75.98           Estimated principal are deducted         do.         4,926         2,173<		Dollars	23.679	68.012	83,821	91.861	145.698	77.515	52,0
Total expenses including contractors       do.       23,681       72,159       84,754       91,901       148,483       77,638         Net cash farm income including contractors       do.       6,067       22,906       11,456       -1,905       127,408       -7,546         Percent of farms with negative NCF1       Percent       56.79       64.53       55.82       54.93       38.67       65.82         Net farm income       Dollars       8,715       6,157       13,240       5,246       47,439       1,748         Percent of farms with negative net farm income       Percent       25.68       41.55       38.20       40.41       37.61       75.98         Net farm income       Percent       26.03       41.53       38.17       39.40       37.12       75.98         Percent of farms with negative NFI       Percent       26.03       41.53       38.17       39.40       37.12       75.98         Estimated principal repayment       Dollars       0       1,809       5,854       9,694       13,197       16,897         Cash income       Percent       56.43       68.64       61.98       71.50       56.73       78.77         Nonfarm income       Dollars       55,182       33,107	- ·					•			9
Net cash farm income including contractors       do.       6,067       22,906       11,456       -1,905       127,408       -7,546         Percent of farms with negative NCF1       Percent       56.79       64.53       55.82       54.93       38.67       65.82         Net farm income       Dollars       8,715       6,157       13,240       5,246       47,439       1,748         Percent of farms with negative net farm income       Percent       25.68       41.55       38.20       40.41       37.61       75.98         Net farm income       Percent       26.03       41.53       38.17       39.40       37.12       75.98         Net farm income       Percent       26.03       41.53       38.17       39.40       37.12       75.98         Percent of farms with negative NFI       Percent       26.03       41.53       38.17       39.40       37.12       75.98         Estimated principal are deducted       do.       4,926       2,173       4,720       -15.467       33.545       -24.344         Percent of farms with negative cash income       Percent       56.43       68.64       61.98       71.50       56.73       78.77         Nonfarm income       Dollars       55,182       33,							·		
including contractors       do.       6,067       22,906       11,456       -1,905       127,408       -7,546         Percent of farms with       negative NCFI       Percent       56,79       64,53       55,82       54,93       38,67       65,62         Net farm income       Dollars       8,715       6,157       13,240       5,246       47,439       1,748         Percent of farms with       negative net farm income       Percent       25,68       41.55       38.20       40.41       37.61       75.98         Net farm income       including contractors       Dollars       9,856       25,080       14,121       9,114       128,105       1,648         Percent of farms with       negative NFI       Percent       26.03       41.53       38.17       39.40       37.12       75.98         Estimated principal       repayment       Dollars       0       1,809       5,854       9,694       13,197       16,897         Cash income after       interest and principal       are deducted       do.       4,926       2,173       4,720       -15,467       33,545       -24,344         Percent of farms with       negative cash income       Percent       56,43       68.64       61.98       71	including contractors	do.	23,681	72,159	84,754	91,901	148,483	77,638	52,9
Percent of farms with negative NCFI         Percent         56.79         64.53         55.82         54.93         38.67         65.82           Net farm income         Dollars         8,715         6,157         13,240         5,246         47,439         1,748           Percent of farms with negative net farm income         Percent         25.68         41.55         38.20         40.41         37.61         75.98           Net farm income         percent of farms with negative net farm income         Dollars         9,856         25,080         14,121         9,114         128,105         1,648           Percent of farms with negative NFI         Percent         26.03         41.53         38.17         39.40         37.12         75.98           Estimated principal repayment         Dollars         0         1,809         5,854         9,694         13,197         16,897           Cash income after interest and principal are deducted         do.         4,926         2,173         4,720         -15,467         33,545         -24,344           Percent of farms with negative cash income         Percent         56.43         68.64         61.98         71.50         56.73         78.77           Nonfarm income         Dollars         55,182         33,1								7 540	
negative NCFI         Percent         56.79         64.53         55.82         54.93         38.67         65.82           Net farm income         Dollars         8,715         6,157         13,240         5,246         47,439         1,748           Percent of farms with         negative net farm income         Percent         25.68         41.55         38.20         40.41         37.61         75.98           Net farm income         percent of farms with         9,856         25,080         14,121         9,114         128,105         1,648           Percent of farms with         negative NFI         Percent         26.03         41.53         38.17         39.40         37.12         75.98           Estimated principal repayment         Dollars         0         1,809         5,854         9,694         13,197         16,897           Cash income after interest and principal are deducted         do.         4,926         2,173         4,720         -15,467         33,545         -24,344           Percent of farms with negative cash income         Percent         56.43         68.64         61.98         71.50         56.73         78.77           Nonfarm income         Dollars         55,182         33,107         31,213		do.	6,067	22,906	11,455	-1,905	127,408	-7,546	13,5
Net farm income         Dollars         8,715         6,157         13,240         5,246         47,439         1,748           Percent of farms with negative net farm income         Percent         25.68         41.55         38.20         40.41         37.61         75.98           Net farm income         including contractors         Dollars         9,856         25,080         14,121         9,114         128,105         1,648           Percent of farms with negative NFI         Percent         26.03         41.53         38.17         39.40         37.12         75.98           Estimated principal repayment         Dollars         0         1,809         5,854         9,694         13,197         16,897           Cash income after interest and principal are deducted         do.         4,926         2,173         4,720         -15,467         33,545         -24,344           Percent of farms with negative cash income         Percent         56.43         68.64         61.98         71.50         56.73         78.77           Nonfarm income         Dollars         55,182         33,107         31,213         25,851         20,457         8,039           Iving expenses         do.         19,200         19,200         19,200         1		Percent	56 70	64 53	55 92	54 03	39 67	65 82	57.
Percent of farms with negative net farm income       Percent       25.68       41.55       38.20       40.41       37.61       75.98         Net farm income including contractors       Dollars       9,856       25,080       14,121       9,114       128,105       1,648         Percent of farms with negative NFI       Percent       26.03       41.53       38.17       39.40       37.12       75.98         Estimated principal repayment       Dollars       0       1,809       5,854       9,694       13,197       16,897         Cash income after interest and principal are deducted       do.       4,926       2,173       4,720       -15,467       33,545       -24,344         Percent of farms with negative cash income       Percent       56.43       68.64       61.98       71.50       56.73       78.77         Nonfarm income       Dollars       55,182       33,107       31,213       25,851       20,457       8,039         Estimated family living expenses       do.       19,200       19,200       19,200       19,200       19,200       19,200       19,200       19,200       19,200       19,200       19,200       19,200       19,200       19,200       19,200       19,200       19,200       19,200       1									10,3
negative net farm income         Percent         25.68         41.55         38.20         40.41         37.61         75.98           Net farm income         including contractors         Dollars         9,856         25,080         14,121         9,114         128,105         1,648           Percent of farms with         negative NFI         Percent         26.03         41.53         38.17         39.40         37.12         75.98           Estimated principal repayment         Dollars         0         1,809         5,854         9,694         13,197         16,897           Cash income after interest and principal are deducted         do.         4,926         2,173         4,720         -15,467         33,545         -24,344           Percent of farms with negative cash income         Percent         56.43         68.64         61.98         71.50         56.73         78.77           Nonfarm income         Dollars         55,182         33,107         31,213         25,851         20,457         8,039           Estimated family         Iving expenses         do.         19,200         19,200         19,200         19,200         19,200         19,200         19,200           Cash income after adding nonfarm income and deducting family living expens		Doriard	0,710	0,10,	101240	0,210			10,0
Net farm income including contractors         Dollars         9,856         25,080         14,121         9,114         128,105         1,648           Percent of farms with negative NFI         Percent         26.03         41.53         38.17         39.40         37.12         75.98           Estimated principal repayment         Dollars         0         1,809         5,854         9,694         13,197         16,897           Cash income after interest and principal are deducted         do.         4,926         2,173         4,720         -15,467         33,545         -24,344           Percent of farms with negative cash income         Dollars         56.43         68.64         61.98         71.50         56.73         78.77           Nonfarm income         Dollars         55,182         33,107         31,213         25,851         20,457         8,039           Estimated family         Iving expenses         do.         19,200		Percent	25.68	41.55	38.20	40.41	37.61	75.98	32.
including contractors       Dollars       9,856       25,080       14,121       9,114       128,105       1,648         Percent of farms with       negative NFI       Percent       26.03       41.53       38.17       39.40       37.12       75.98         Estimated principal       repayment       Dollars       0       1,809       5,854       9,694       13,197       16,897         Cash income after       interest and principal       are deducted       do.       4,926       2,173       4,720       -15,467       33,545       -24,344         Percent of farms with       negative cash income       Percent       56.43       68.64       61.98       71.50       56.73       78.77         Nonfarm income       Dollars       55,182       33,107       31,213       25,851       20,457       8,039         Estimated family       living expenses       do.       19,200       19,									
negative NFI         Percent         26.03         41.53         38.17         39.40         37.12         75.98           Estimated principal repayment         Dollars         0         1,809         5,854         9,694         13,197         16,897           Cash income after interest and principal are deducted         do.         4,926         2,173         4,720         -15,467         33,545         -24,344           Percent of farms with negative cash income         Percent         56.43         68.64         61.98         71.50         56.73         78.77           Nonfarm income         Dollars         55,182         33,107         31,213         25,851         20,457         8,039           Estimated family living expenses         do.         19,200	including contractors	Dollars	9,856	25,080	14,121	9,114	128,105	1,648	17,3
Estimated principal repayment         Dollars         0         1,809         5,854         9,694         13,197         16,897           Cash income after interest and principal are deducted         do.         4,926         2,173         4,720         -15,467         33,545         -24,344           Percent of farms with negative cash income         Percent         56.43         68.64         61.98         71.50         56.73         78.77           Nonfarm income         Dollars         55,182         33,107         31,213         25,851         20,457         8,039           Estimated family living expenses         do.         19,200         19,200         19,200         19,200         19,200         19,200         19,200         19,200           Cash income after adding nonfarm income and deducting family living expenses         do.         40,909         16,080         16,733         -8,816         34,802         -35,505									
repayment         Dollars         0         1,809         5,854         9,694         13,197         16,897           Cash income after interest and principal are deducted         do.         4,926         2,173         4,720         -15,467         33,545         -24,344           Percent of farms with negative cash income         Percent         56.43         68.64         61.98         71.50         56.73         78.77           Nonfarm income         Dollars         55,182         33,107         31,213         25,851         20,457         8,039           Estimated family         1         19,200		Percent	26.03	41.53	38.17	39.40	37.12	75.98	32.
Cash income after interest and principal are deducted       do.       4,926       2,173       4,720       -15,467       33,545       -24,344         Percent of farms with negative cash income       Percent       56.43       68.64       61.98       71.50       56.73       78.77         Nonfarm income       Dollars       55,182       33,107       31,213       25,851       20,457       8,039         Estimated family       Iving expenses       do.       19,200       19,200       19,200       19,200       19,200       19,200         Cash income after adding nonfarm income and deducting family living expenses       do.       40,909       16,080       16,733       -8,816       34,802       -35,505         Percent of farms with negative income after       add.       40,909       16,080       16,733       -8,816       34,802       -35,505		0.11	•	1 000	F 054	0.004	11 107	10 007	
interest and principal are deducted do. 4,926 2,173 4,720 -15,467 33,545 -24,344 Percent of farms with negative cash income Percent 56.43 68.64 61.98 71.50 56.73 78.77 Nonfarm income Dollars 55,182 33,107 31,213 25,851 20,457 8,039 Estimated family living expenses do. 19,200 19,200 19,200 19,200 19,200 19,200 Cash income after adding nonfarm income and deducting family living expenses do. 40,909 16,080 16,733 -8,816 34,802 -35,505 Percent of farms with negative income after	repayment	Dollars	0	1,809	5,854	9,694	13,197	10,897	2,8
are deducted       do.       4,926       2,173       4,720       -15,467       33,545       -24,344         Percent of farms with       negative cash income       Percent       56.43       68.64       61.98       71.50       56.73       78.77         Nonfarm income       Dollars       55,182       33,107       31,213       25,851       20,457       8,039         Estimated family       living expenses       do.       19,200									
Percent of farms with negative cash income         Percent         56.43         68.64         61.98         71.50         56.73         78.77           Nonfarm income         Dollars         55,182         33,107         31,213         25,851         20,457         8,039           Estimated family         living expenses         do.         19,200 <td></td> <td>do</td> <td>4.926</td> <td>2,173</td> <td>4.720</td> <td>-15,467</td> <td>33.545</td> <td>-24.344</td> <td>3,7</td>		do	4.926	2,173	4.720	-15,467	33.545	-24.344	3,7
negative cash income         Percent         56.43         68.64         61.98         71.50         56.73         78.77           Nonfarm income         Dollars         55,182         33,107         31,213         25,851         20,457         8,039           Estimated family         living expenses         do.         19,200 </td <td></td> <td></td> <td>4,520</td> <td>2,1/0</td> <td>4,720</td> <td>10,407</td> <td>00,010</td> <td>21,011</td> <td></td>			4,520	2,1/0	4,720	10,407	00,010	21,011	
Estimated family living expenses do. 19,200 19,200 19,200 19,200 19,200 19,200 Cash income after adding nonfarm income and deducting family living expenses do. 40,909 16,080 16,733 -8,816 34,802 -35,505 Percent of farms with negative income after		Percent	56.43	68.64	61.98	71.50	56.73	78.77	60.
Estimated family living expenses do. 19,200 19,200 19,200 19,200 19,200 19,200 Cash income after adding nonfarm income and deducting family living expenses do. 40,909 16,080 16,733 -8,816 34,802 -35,505 Percent of farms with negative income after		0.11	FF 100			00 001	00 457	0 000	42.4
living expenses         do.         19,200         1		Uollars	55,182	33,107	31,213	20,801	20,457	8,039	43,1
Cash income after adding nonfarm income and deducting family living expenses do. 40,909 16,080 16,733 -8,816 34,802 -35,505 Percent of farms with negative income after		do	10 200	19 200	19 200	19 200	19 200	19 200	19,2
nonfarm income and deducting family living expenses do. 40,909 16,080 16,733 -8,816 34,802 -35,505 Percent of farms with negative income after		uo.	13,200	13,200	10,200	13,200	10,200	10,200	10,0
family living expenses do. 40,909 16,080 16,733 -8,816 34,802 -35,505 Percent of farms with negative income after		1							
Percent of farms with negative income after			40,909	16.080	16,733	-8,816	34,802	-35,505	27,7
				• * * * *		•	•	•	• •
principal and family living	negative income after								
	principal and family living								
expenses are deducted Percent 44.08 35.05 31.74 54.00 72.36 82.97	expenses are deducted	Percent	44.08	35.05	31.74	54.00	72.36	82.97	42.

Appendix table 30Combined farm income	and cash-flow statement by region,	January 1, 1989Continued
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		No	0.01-	<u>De</u> 0.11-	<u>bt/asset_r</u> 0.41-	<u>atio</u> 0.71-	0	
Mountain	Unit	debt	0.10	0.40	0.70	1.0	Over 1.0	All farms
umber of farms	Number	39,008	15,556	26,995	8.743	3,243	2,887	06 43
ercent of farms	Percent	40.45	16.13	27.99	9.06	3.36	2.99	96,43 100.0
arm income:								
Livestock sales Crop sales	Dollars	21,325	44,268	65,560	73,493	240,194	11,401	49,20
Net change in CCC loans	do. do.	17,239 -292	24,694 -255	37,501	62,751	18,642	47,084	29,18
Government payments	do.	3,201	5,480	-334 8,394	-1,266 11,085	179 5,703	-6,659	-5
Other farm income	do.	3,742	30,756	8.891	7,219	15,925	8,366 12,802	5,9
Gross cash farm income	do.	45,215	104,943	120,012	153,281	280.643	72,995	10,5 94,3
Nonmoney income	do.	8,755	8,154	9,422	8,053	10,104	1,497	8,6
Value of inventory change	do.	7,360	2,048	14,844	16,058	6,682	-484	9,1
Gross farm income	do.	61,330	115,145	144,279	177,392	297,428	74,008	112,0
Estimated contractor income	do.	52,610	3,887	34,537	26,810	4,672	8,066	
Gross farm income			0,007	041007	20,010	4,072	0,000	34,4
including contractors	do.	113,940	119,032	178,816	204,202	302,100	82,073	146,4
Operating expenses								
excluding interest Cash income before	do.	35,127	56,769	83,281	117,819	256,879	46,806	67,4
interest is deducted Percent of farms with	do.	10,088	48,174	36,732	35,463	23,764	26,189	26,9
negative cash income	Percent	41.70	42.46	36.24	36.85	30.56	51.74	39.
Interest expense	Dollars	518	5,973	13,839	23,621	20,197	8,685	8,1
Cash income after				,	,	20,10,	0,005	0,1
interest is deducted Percent of farms with	do.	9,570	42,201	22,893	11,842	3,568	17,504	18,8
negative cash income Total expenses	Percent	43.45	48.80	45.85	60.60	40.42	62.11	47.
including depreciation	Dollars	41,257	73,695	107,863	153,822	288,004	59,989	01 2
Contractor expenses Total expenses	do.	8,741	39,063	7,211	108	200,004	59,969 0	84,2 11,8
including contractors Net cash farm income	do.	49,998	112,759	115,074	153,930	288,009	59,989	96,0
including contractors Percent of farms with	do.	53,440	7,025	50,219	38,544	8,234	25,570	41,3
negative NCFI	Percent	43.40	40 10	45.17	50 40			
Net farm income	Dollars		48.18	45.17	59.48	40.16	58.95	46.4
Percent of farms with	Dollars	20,073	41,450	36,416	23,571	9,424	14,019	27,8
negative net farm income Net farm income	Percent	16.26	24.35	18.04	35.32	35.75	57.02	21.0
including contractors Percent of farms with	Dollars	63,942	6,274	63,742	50,273	14,091	22,085	50,4
negative NFI	Percent	16.23	24.38	17.51	34.42	35.50	56.79	21.4
Estimated principal repayment	Dollars	0	2,401	8,285	15,321	24,255	11,935	5,26
Cash income after interest and principal					•			0,20
are deducted Percent of farms with	do.	9,570	39,800	14,608	-3,479	-20,687	5,569	13,53
negative cash income	Percent	43.45	53.58	55.30	67.95	84.96	69.21	52.7
Nonfarm income Estimated family	Dollars	37,427	54,533	52,123	53,649	46,822	21,493	44,84
living expenses Cash income after adding	do.	19,200	19,200	19,200	19,200	19,200	19,200	19,20
nonfarm income and deducting family living expenses Percent of farms with negative income after	do.	31,946	47,400	43,508	26,985	19,172	-1,381	35,00
principal and family living expenses are deducted	Percent	37.53	37.29	37.93	23.88	44.78	59.71	36.8

Appendix table 30--Combined farm income and cash-flow statement by region, January 1, 1989--Continued

					ot/asset_ra			
Pacific	Unit	No debt	0.01-0.10	0.11- 0.40	0.41- 0.70	0.71- 1.0	Over 1.0	All farms
<u></u>								
Number of farms	Number	61,480	17,932	28,721	13,393	5,397	2,357	129,279
Percent of farms	Percent	47.55	13.87	22.21	10.35	4.17	1.82	100.00
Farm income:								
Livestock sales	Dollars	13,553	35,866	43,611	53,915	79,749	145,171	32,670
Crop sales	do.	48,570	51,912	88,926	36,943	71,728	185,059	60,249
Net change in CCC loans	do.	-9	203	-65	199	-100 2.121	-1,861	-8
Government payments	do.	1,853	2,762	3,981	3,448		4,348	2,674
Other farm income	do.	1,950	3,689 94,432	5,210 141,664	4,674 99,180	1,937 155,435	22,290 355,006	3,568 99,153
Gross cash farm income	do.	65,918	13,901	11,112	13,387	7,799	5,374	10,827
Nonmoney income	do.	9,715	790	6,663	9,172	4,531	3,214	
Value of inventory change	do. do.	141 75,773	109,123	159,438	121,738	167,766	363,594	2,855 112,835
Gross farm income Estimated contractor income	do.	7,637	8,311	17,450	3,442	10,645	12,717	9,694
Gross farm income	uo.	7,037	0,511	17,450	3,442	10,045	12,717	3,034
including contractors	do.	83,411	117,434	176,888	125,181	178,411	376,310	122,529
Operating expenses								
excluding interest	do.	51,353	74,803	107,664	76,067	132,742	301,134	77,627
Cash income before								
interest is deducted	do.	14,565	19,628	34,000	23,113	22,693	53,872	21,526
Percent of farms with								
negative cash income	Percent	55.60	53.94	43.81	68.16	56.22	34.21	53.69
Interest expense	Dollars	846	5,044	13,222	17,470	15,478	23,615	6,926
Cash income after								
interest is deducted	do.	13,719	14,584	20,777	5,642	7,215	30,258	14,600
Percent of farms with								
negative cash income	Percent	56.11	61.97	63.43	79.76	76.74	63.17	61.99
Total expenses		50 000	~~ ~ ~		00 750	155 400		01 007
including depreciation	Dollars	56,663	88,846	133,270	99,753	155,428	338,284	91,867
Contractor expenses	do.	481	15	275	37	250	20	306
Total expenses	do.	E7 144	88,860	133,546	99,790	155,678	338,304	92,173
including contractors Net cash farm income	ω.	57,144	00,000	133,340	39,790	155,078	330,304	92,175
including contractors	do.	20,876	22,881	37,952	9,048	17,610	42,955	23,988
Percent of farms with	uu.	20,070	22,001	07,002	0,040	17,010	42,000	20,000
negative NCFI	Percent	55.94	61.91	57.93	77.18	74.26	62.45	60.30
Net farm income	Dollars	19,110	20,277	26,168	21,985	12,338	25,310	20,968
Percent of farms with				,				
negative net farm income	Percent	18.47	15.58	35.03	47.20	41.34	39.72	26.07
Net farm income								
including contractors	Dollars	26,267	28,574	43,342	25,391	22,733	38,007	30,356
Percent of farms with								
negative NFI	Percent	18.27	15.34	34.29	44.43	38.87	39.01	25.37
Estimated principal								
repayment	Dollars	0	2,516	10,192	13,106	15,665	33,933	5,243
Cash income after								
interest and principal								
are deducted	do.	13,719	12,068	10,585	-7,464	-8,450	-3,675	9,357
Percent of farms with	_	/ /						
negative cash income	Percent	56.11	64.06	69.99	84.67	83.58	79.21	64.82
Nonfarm income	Dollars	37,427	54,533	52,123	53,649	46,822	21,493	44,847
Estimated family	ي الد	10 000	10.000	10 000	10 000	10 000	10 000	10 000
living expenses	do.	19,200	19,200	19,200	19,200	19,200	19,200	19,200
Cash income after adding								
nonfarm income and deducting	de	21 046	47,400	43,508	26,985	10 179	_1 201	25 004
family living expenses Percent of farms with	do.	31,946	47,400	43,508	20,903	19,172	-1,381	35,004
negative income after								
principal and family living								
expenses are deducted	Percent	37.53	37.29	37.93	23.88	44.78	59.71	36.88

Appendix table 30--Combined farm income and cash-flow statement by region, January 1, 1989--Continued

d = Data insufficient for disclosure. Source: 1988 Farm Costs and Returns Survey, USDA.

Appendix table 31Combined farm	income and cash-flow statement	by land tenure.	January 1, 1989

	No 0.01- 0.11- 0.41- 0.71- Over All									
Full tenant	Unit	debt	0.10	0.40	0.41-	1.0	1.0	farms		
lumber of farms	Number	59,246	16,716	41,452	17,209	8,311	8,989	151,92		
ercent of farms	Percent	38.99	11.00	27.28	11.32	5.47	5.91	100.0		
arm income:										
Livestock sales	Dollars	15,876	36,709	41,455	53,117	67,922	54,698	34,51		
Crop sales	do.	47,462	50,282	51,859	44,589	80,426	52,691	50,75		
Net change in CCC loans Government payments	do.	840	2,191	2,051	-106	1,316	-3,038	1,00		
Other farm income	do. do.	4,925 1,982	8,992 5,481	9,890 2,982	12,512	11,808	12,996	8,44		
Gross cash farm income	do.	71,086	103,656	108,237	5,244 115,356	21,781 183,254	9,520	4,53		
Nonmoney income	do.	1,170	5,349	2,457	2,233	974	126,868 409	99,250 2,040		
Value of inventory change	do.	1,586	-1,999	7,474	9,418	6,937	-3,448	3,68		
Gross farm income	do.	73,842	107,006	118,169	127,007	191,164	123,829	104,98		
Estimated contractor income	do.	3,277	10,580	7,875	6,880	37,018	1,559	7,48		
Gross farm income						.,	1,000	7,40		
including contractors	do.	77,119	117,586	126,044	133,887	228,182	125,388	112,47		
Operating expenses		10 334	70							
excluding interest Cash income before	do.	49,772	79,322	83,171	88,804	178,673	111,332	77,252		
interest is deducted	do.	21,314	24,334	25 066	26 552	4 501	15 500	~~ ~~		
Percent of farms with	uo.	21,314	24,004	25,066	26,553	4,581	15,536	22,000		
negative cash income	Percent	29.88	28.85	35.24	16.50	41.04	45.40	31.0		
Interest expense	Dollars	681	2,636	3,864	7,426	9,096	45.40	31.24		
Cash income after		••••	2,000	0,004	7,420	5,050	11,109	3,61		
interest is deducted	do.	20,633	21,698	21,201	19,126	-4,515	4,347	18,39		
Percent of farms with					• -			10,000		
negative cash income Total expenses	Percent	31.53	29.88	41.46	24.00	49.15	47.40	35.1		
including depreciation	Dollars	53,933	91,128	96,462	104,240	195,891	128,575	87,510		
Contractor expenses	do.	922	5,743	239	220	197	5	1,093		
Total expenses							•	-,		
including contractors	do.	54,855	96,871	96,701	104,460	196,088	128,580	88,603		
Net cash farm income										
including contractors Percent of farms with	do.	22,988	26,535	28,837	25,786	32,306	5,901	24,790		
negative NCFI	Democrat	21.45	00.00							
Net farm income	Percent Dollars	31.45 19,909	29.86	41.32	21.10	47.52	47.23	34.6		
Percent of farms with	Duriars	19,909	15,878	21,707	22,767	-4,727	-4,745	17,473		
negative net farm income	Percent	31.55	30.29	38.00	27.61	46.18	E7 10	25.0		
Net farm income	1 cr ocht	01.00	50.25	30.00	27.01	40.16	57.12	35.04		
including contractors	Dollars	22,264	20,715	29,343	29,427	32,094	-3,192	23,868		
Percent of farms with				20,010	20,427	52,054	-3,152	23,000		
negative NFI	Percent	31.39	30.15	37.82	27.50	43.81	56.93	34.76		
Estimated principal							00.00	04.70		
repayment	Dollars	0	1,033	3,218	6,617	8,843	11,836	2,926		
Cash income after										
interest and principal										
are deducted Percent of farms with	do.	20,633	20,665	17,983	12,509	-13,358	-7,489	15,469		
negative cash income	Percent	21 52	00.01	40.00						
negative cash income	rencent	31.53	29.91	46.03	34.35	50.30	59.80	38.32		
Nonfarm income	Dollars	19,051	18,022	17,196	14,227	13,448	17,192	17,469		
Estimated family			,		- ,,	20,440	17,132	17,403		
living expenses	do.	19,200	19,200	19,200	19,200	19,200	19,200	19,200		
Cash income after adding						•		,		
nonfarm income and deducting										
family living expenses	do.	20,483	19,486	15,979	7,536	-19,110	-9,498	13,738		
Percent of farms with										
negative income after										
principal and family living	Denecat	44 45	<u> </u>			<b></b>				
expenses are deducted	Percent	44.45	38.91	39.89	45.33	71.20	61.55	45.17		

Appendix table 31Combined	farm income and cash-flow :	statement by land tenure,	January 1, 1989Continued

1-20 percent Number of farms Percent of farms Farm income: Livestock sales Crop sales Net change in CCC loans Government payments Other farm income Gross cash farm income Value of inventory change Gross farm income Estimated contractor income	Unit Number Percent Dollars do. do. do. do. do. do.	No debt 48,194 36.10 12,242 24,471 -194 3,238	0.01- 0.10 21,786 16.32 28,753	0.11- 0.40 39,571 29.64	0.41- 0.70 15,419 11.55	0.71- 1.0 4,478 3.35	0ver 1.0 4,024 3.01	All farms 133,472 100.00
Number of farms Percent of farms Farm income: Livestock sales Crop sales Net change in CCC loans Government payments Other farm income Gross cash farm income Nonmoney income Value of inventory change Gross farm income Estimated contractor income	Percent Dollars do. do. do. do. do.	36.10 12,242 24,471 -194	16.32 28,753					
Percent of farms Farm income: Livestock sales Crop sales Net change in CCC loans Government payments Other farm income Gross cash farm income Nonmoney income Value of inventory change Gross farm income Estimated contractor income	Percent Dollars do. do. do. do. do.	36.10 12,242 24,471 -194	16.32 28,753					
Percent of farms Farm income: Livestock sales Crop sales Net change in CCC loans Government payments Other farm income Gross cash farm income Nonmoney income Value of inventory change Gross farm income Estimated contractor income	Percent Dollars do. do. do. do. do.	36.10 12,242 24,471 -194	16.32 28,753			3.35		
Livestock sales Crop sales Net change in CCC loans Government payments Other farm income Gross cash farm income Nonmoney income Value of inventory change Gross farm income Estimated contractor income	do. do. do. do. do.	24,471 -194						100.00
Crop sales Net change in CCC loans Government payments Other farm income Gross cash farm income Nonmoney income Value of inventory change Gross farm income Estimated contractor income	do. do. do. do. do.	24,471 -194						
Net change in CCC loans Government payments Other farm income Gross cash farm income Nonmoney income Value of inventory change Gross farm income Estimated contractor income	do. do. do. do.	-194	27 CAE	46,132	67,027	38,379	12,768	32,206
Government payments Other farm income Gross cash farm income Nonmoney income Value of inventory change Gross farm income Estimated contractor income	do. do. do.		32,605	64,853	79,336	64,474	106,265	47,917
Other farm income Gross cash farm income Nonmoney income Value of inventory change Gross farm income Estimated contractor income	do. do.	3 7 30	-1,647	-3,566	-6,147	-2,978	-3,463	-2,311
Gross cash farm income Nonmoney income Value of inventory change Gross farm income Estimated contractor income	do.		6,551	15,153	18,882	15,687	6,880	9,646
Nonmoney income Value of inventory change Gross farm income Estimated contractor income		1,171	4,567 70,829	4,998 127,570	6,805 165,903	9,223 124,786	9,292 131,742	4,025 91,484
Value of inventory change Gross farm income Estimated contractor income	uu.	40,928 8,077	7,709	6,253	5,427	6,071	1,907	6,916
Gross farm income Estimated contractor income	do.	173	3,234	9,321	16,649	2,298	7,261	5,573
Estimated contractor income	do.	49,177	81,772	143,143	187,979	133,155	140,911	103,973
	do.	4,280	7,435	10,293	20,935	1,839	3,493	8,396
Gross farm income	da	E2 4E0	00 207	152 426	200 014	124 002	144 404	112,370
including contractors	do.	53,458	89,207	153,436	208,914	134,993	144,404	112,370
Operating expenses			F					
excluding interest	do.	30,477	53,878	92,149	128,564	94,703	110,781	68,487
Cash income before	da	10 451	16 051	25 421	37,339	30,083	20,961	22 007
interest is deducted	do.	10,451	16,951	35,421	57,559	30,003	20,901	22,997
Percent of farms with negative cash income	Percent	44.02	48.68	30.16	24.60	17.21	59.31	37.99
Interest expense	Dollars	797	2,784	8,420	17,571	17,453	14,809	6,300
	Duriars	/5/	2,704	0,420	17,571	17,455	14,009	0,300
Cash income after	do.	9,653	14,168	27,002	19,767	12,630	6,152	16,696
interest is deducted	ω.	9,000	14,100	27,002	19,707	12,030	0,152	10,090
Percent of farms with	Demessit	44 12	52.46	25 10	32.68	29.12	62.03	A1 55
negative cash income	Percent	44.13	52.40	35.1 <del>9</del>	32.00	29.12	02.03	41.55
Total expenses	Dollars	25 572	63,444	112,062	159,425	122,857	132,882	82,969
including depreciation		35,572		1,468	3,997	122,057	132,002	
Contractor expenses	do.	2,541	5,307	1,400	3,357	U	U	2,681
Total expenses	ماء	10 112	CO 751	112 520	162 422	122 057	122 002	0E 640
including contractors	do.	38,113	68,751	113,530	163,422	122,857	132,882	85,649
Net cash farm income	ي الد	11 202	16 206	25 926	26 705	14 460	0 646	22 412
including contractors	do.	11,393	16,296	35,826	36,705	14,469	9,645	22,412
Percent of farms with	Developet	44 00	E1 45	25.10	20.00	20.02	60.00	41 02
negative NCFI	Percent	44.09	51.45	35.10	30.06	28.93	62.03	41.03
Net farm income	Dollars	13,605	18,328	31,082	28,554	10,297	8,029	21,005
Percent of farms with	<b>.</b> .		~~ ~~			~~ ~~		~ ~ ~
negative net farm income	Percent	19.46	29.98	33.19	29.14	26.92	68.62	28.10
Net farm income			~~					
including contractors	Dollars	15,345	20,456	39,906	45,492	12,136	11,522	26,720
Percent of farms with	<b>.</b> .		~ ~ ~ ~		<u>.</u>			
negative NFI	Percent	19.29	29.94	32.41	24.86	23.61	68.44	27.19
Estimated principal				E 007		45 447		
repayment	Dollars	0	1,416	5,397	13,500	15,297	19,231	4,484
Cash income after								
interest and principal		0.050	10 750	01 005	0.007	0 007	10.070	10 010
are deducted	do.	9,653	12,752	21,605	6,267	-2,667	-13,079	12,212
Percent of farms with	<b>_</b>		<b>F</b> 4 <b>A F</b>	40.00		F. 70	70 07	40 50
negative cash income	Percent	44.13	54.85	42.28	43.17	51.73	78.97	46.53
Nonfarm income	Dollars	22,212	21,835	24,574	25,343	27,679	7,814	22,962
Estimated family								
living expenses	do.	19,200	19,200	19,200	19,200	19,200	19,200	19,200
Cash income after adding								
nonfarm income and deducting								
family living expenses	do.	12,665	15,387	26,979	12,410	5,813	-24,466	15,974
Percent of farms with								
negative income after								
principal and family living								
expenses are deducted	Percent	42.39	44.42	38.49	34.41	52.22	74.26	41.93
See footnotes at end of table.								

Appendix table 31Combined farm	income and cash-flow	statement by land tenure,	January 1, 1989Continued
		والنبية والمتعادية فيتكثر المتعاد المتعاد المتعاد المتعاد المتعاد المتعاد المتعاد المتعاد المتعاد الم	

21-40 percent		No 0.01- 0.11- 0.41- 0.71- Over								
21-40 percent	Unit	debt	0.10	0.40	0.70	<u> </u>	0ver 1.0	All farms		
Number of farms	Number	38,032	27,365	50,408	18,200	8,925	1,972	144,901		
Percent of farms	Percent	26.24	18.88	34.78	12.56	6.15	1.36	100.00		
farm income: Livestock sales	0-11	~~ ~~ ~								
Crop sales	Dollars	22,304	42,622	48,562	65,926	30,868	51,768	41,683		
Net change in CCC loans	do.	23,359	37,724	51,777	46,444	34,433	58,391	40,016		
Government payments	do.	-350	-2,299	-3,676	-4,552	-6,863	1,758	-2,775		
	do.	5,635	8,150	13,592	15,527	16,252	22,014	10,997		
Other farm income	do.	1,615	4,040	4,730	6,896	11,010	27,867	4,756		
Gross cash farm income	do.	52,563	90,237	114,985	130,241	85,701	161,798	94,677		
Nonmoney income	do.	7,514	7,494	7,316	8,562	4,103	7,074	7,357		
Value of inventory change	do.	1,745	7,186	5,158	8,253	864	-33,961	4,237		
Gross farm income	do.	61,822	104,917	127,459	147,056	90,668	134,911	106,271		
Estimated contractor income	do.	925	14,403	7,357	24,215	2,779	15,126	8,941		
Gross farm income				.,	27,210	2,775	13,120	0,341		
including contractors	do.	62,747	119,320	134,816	171,271	93,447	150,037	115,211		
Operating expenses										
excluding interest Cash income before	do.	39,110	71,123	85,828	99,344	68,260	111,121	71,749		
interest is deducted	da	12 152	10 114	20 157	20.007					
Percent of farms with	do.	13,453	19,114	29,157	30,897	17,441	50,677	22,928		
negative cash income	Damaant	20.00								
	Percent	39.23	38.03	27.58	28.33	38.25	14.75	33.19		
Interest expense	Dollars	1,105	4,089	10,767	18,127	13,742	32,806	8,378		
Cash income after										
interest is deducted	do.	12,348	15,024	18,390	12,770	3,699	17,871	14,551		
Percent of farms with								• • • • •		
negative cash income Total expenses	Percent	39.77	45.31	42.26	45.10	56.60	26.20	43.20		
including depreciation	Dollars	45,679	84,136	106,983	128,910	92,817	156 554	00 124		
Contractor expenses	do.	5	551	2,740			156,554	89,134		
Total expenses	uu.	5	551	2,740	8,807	987	1,000	2,239		
including contractors	da	45 604	04 007	100 700						
Net cash farm income	do.	45,684	84,687	109,722	137,717	93,804	157,554	91,373		
including contractors	ان	10 007	~~ ~~~			_				
	do.	13,267	28,876	23,007	28,178	5,491	31,997	21,252		
Percent of farms with										
negative NCFI	Percent	39.76	43.34	40.64	45.52	54.36	25.78	42.17		
Net farm income	Dollars	16,143	20,781	20,476	18,145	-2,149	-21,643	17,137		
Percent of farms with								.,		
negative net farm income	Percent	17.87	35.68	28.34	33.80	51.54	29.50	29.11		
Net farm income						01101	20.00	20.11		
including contractors	Dollars	17,063	34,633	25,093	33,554	-358	-7,517	22 920		
Percent of farms with			01,000	20,000	00,004	-330	-7,517	23,839		
negative NFI	Percent	17.79	33.48	27.01	33.70	40.45	20 45	00.05		
Estimated principal	( c) och	17.75	33.40	27.01	33.70	49.45	28.45	28.05		
repayment	Dollars	^	1 041	C 040	10.040					
Cash income after	Donars	0	1,841	6,948	13,040	13,882	35,019	5,734		
interest and principal										
are deducted	do.	12,348	13,183	11,442	-270	-10,183	-17,148	8,817		
Percent of farms with										
negative cash income	Percent	39.77	47.30	53.70	56.17	61.73	68.53	49.84		
N . C										
Nonfarm income	Dollars	25,448	21,875	21,902	21,477	14,460	17.409	22,255		
Estimated family					-	•		,		
living expenses	do.	19,200	19,200	19,200	19,200	19,200	19,200	19,200		
Cash income after adding					,		10,200	10,200		
nonfarm income and deducting										
family living expenses	do.	18,595	15,859	14,144	2,007	-14,923		11 071		
Percent of farms with		10,000	10,005	14,144	2,007	-14,923	-18,939	11,871		
negative income after										
principal and family living										
expenses and family inving	Democrat		/		<b>_</b>					
expenses are deducted	Percent	35.63	47.22	36.81	54.71	80.19	78.07	43.95		
See footnotes at end of table.										
see lootnotes at end of table.							Con	tinued		

Appendix table 31Combined fa	m income	and cash-flow stat	ement by land ten	ure, January 1, 1989Continued

		N-	0.01-	0.11-	<u>t/asset rat</u> 0.41-	0.71-	Over	A11
41-60 percent	Unit	No debt	0.01-	0.11-	0.41-	1.0	1.0	farms
Number of farms	Number	49,878	24,948	46,343	18,118	4,785	1,548	145,620
Percent of farms	Percent	34.25	17.13	31.82	12.44	3.28	1.06	100.00
Farm income:					00.170	57 042	171 766	40.050
Livestock sales	Dollars	20,925	45,176	67,054 46,266	80,179 43,023	57,943 17,747	171,755 48,992	49,952 32,487
Crop sales Net change in CCC loans	do. do.	21,220 -943	23,570 -1,390	-3,882	-3.862	-2,688	-7,877	-2,449
Government payments	do.	5,128	7,768	12,789	13,155	9,548	18,277	9,302
Other farm income	do.	1,633	3,267	6,115	8,753	3,946	9,382	4,384
Gross cash farm income	do.	47,963	78,391	128,342	141,249	86,495	240,529	93,676
Nonmoney income	do.	6,934	8,660	7,764	8,323	6,409	5,266	7,632
Value of inventory change	do.	582	4,943	9,159	4,888	1,232	-7,533	4,530
Gross farm income	do.	55,479	91,994	145,265	154,459	94,136	238,262	105,838
Estimated contractor income	do.	1,275	2,365	5,693	17,349	1,380	131,887	6,260
Gross farm income								
including contractors	do.	56,754	94,360	150,959	171,808	95,515	370,149	112,097
Operating expenses		<u></u>	50 040	00.000	107 105	70 400	175 750	CO 207
excluding interest	do.	34,447	56,849	92,099	107,165	70,488	175,756	68,367
Cash income before interest is deducted	do.	13,515	21,543	36,243	34,083	16,007	64.773	25,309
Percent of farms with	uo.	10,010	21,040	00,240	04,000	10,007	04,770	20,000
negative cash income	Percent	49.21	35.44	29.83	32.90	29.25	15.47	37.64
Interest expense	Dollars	467	2,846	12,242	21,650	16,189	33,224	8,122
Cash income after						• •		
interest is deducted	do.	13,048	18,696	24,001	12,433	-182	31,549	17,187
Percent of farms with								
negative cash income	Percent	50.42	36.57	37.76	45.17	42.56	26.84	42.86
Total expenses			~~ ~~~		140 420		000 570	00 100
including depreciation	Dollars	40,655	68,622	117,170	142,439	94,241	220,578	86,135
Contractor expenses	do.	663	98	1,744	8,897	2	6,293	1,973
Total expenses including contractors	do.	41,319	68,720	118,915	151,336	94,242	226,871	88,108
Net cash farm income	uo.	41,515	00,720	110,515	101,000	34,242	210,071	00,100
including contractors	do.	13,660	20,963	27,950	20,886	1,196	157,143	21,474
Percent of farms with		10,000				-,		
negative NCFI	Percent	50.23	36.47	37.57	45.41	41.95	26.16	42.72
Net farm income	Dollars	14,824	23,372	28,095	12,020	-105	17,685	19,703
Percent of farms with								
negative net farm income	Percent	27.78	22.48	26.93	46.70	45.00	35.42	29.60
Net farm income								
including contractors	Dollars	15,435	25,639	32,044	20,472	1,273	143,278	23,990
Percent of farms with	<b>_</b> .		~ ~ ~	00.05		44.00	10.75	00 70
negative NFI	Percent	27.76	21.60	26.35	44.19	44.83	19.75	28.78
Estimated principal	De 11-me	0	1 660	7,686	15,904	17,821	28,146	5,594
repayment Cash income after	Dollars	U	1,660	/,000	15,904	17,021	20,140	3,394
interest and principal								
are deducted	do.	13,048	17,036	16,315	-3,471	-18,003	3,403	11,593
Percent of farms with		10,010	2. 1000	10,010			-,	,
negative cash income	Percent	50.42	39.78	45.52	62.86	83.86	38.41	49.56
Nonfarm income	Dollars	25,592	22,442	21,874	20,980	19,732	27,392	23,122
Estimated family								
living expenses	do.	19,200	19,200	19,200	19,200	19,200	19,200	19,200
Cash income after adding								
nonfarm income and deducting			· · · · ·					
family living expenses	do.	19,441	20,279	18,989	-1,691	-17,471	11,595	15,515
Percent of farms with								
negative income after								
principal and family living	Doncent	40.93	30.03	38.22	55.98	61.39	23.95	40.56
expenses are deducted	Percent	40.93	30.03	30.22	33.30	01.59	23.35	40.00
See footnotes at end of table.							Co	ntinued

Appendix table 31--Combined farm income and cash-flow statement by land tenure, January 1, 1989--Continued

	Debt/asset ratio								
61-80 percent	Unit	No debt	0.01- 0.10	0.11- 0.40	0.41- 0.70	0.71-	Over	A11	
	UNIT		0.10	0.40	0.70	1.0	1.0	farms	
umber of farms	Number	55,760	25,972	40,841	13,953	2,536	1,975	141.03	
ercent of farms	Percent	39.53	18.41	28.95	9.89	1.79	1.40	100.0	
arm income:									
Livestock sales	Dollars	27,130	59,199	74,826	91,265	375,609	106,794	60,57	
Crop sales	do.	17,581	33,781	29,547	45,494	27,439	29,344	27,13	
Net change in CCC loans	do.	-171	-1,670	-2,923	-3,152	-4,828	-1,434	-1,64	
Government payments	do.	3,681	9,309	8,436	19,211	13,812	19,297	8,03	
Other farm income	do.	1,963	3,949	4,570	10,109	5,566	8,205	4,04	
Gross cash farm income Nonmoney income	do.	50,183	104,568	114,457	162,928	417,597	162,205	98,14	
Value of inventory change	do. do.	7,364	9,265	8,538	7,332	9,754	5,272	8,06	
Gross farm income	do.	3,655 61,202	6,476 120,309	7,823	5,019	4,086	6,244	5,56	
Estimated contractor income	do.	1,877	2,400	130,818	175,279	431,438	173,721	111,76	
Gross farm income	uu.	1,0//	2,400	5,655	6,242	943	424	3,46	
including contractors	do.	63,079	122,709	136,472	181,521	432,381	174,146	115,22	
Operating expenses									
excluding interest	do.	41,743	79,370	81,900	123,164	363,760	122,142	75,27	
Cash income before				01,000	120,104	000,700	166,176	13,21	
interest is deducted	do.	8,440	25,198	32,557	39,764	53,838	40,063	22,86	
Percent of farms with		• • • •				00,000	10,000		
negative cash income	Percent	47.80	31.93	24.19	26.25	7.85	35.18	35.0	
Interest expense	Dollars	695	5,215	11,209	24,881	34,544	19,473	7,83	
Cash income after				•			,	.,	
interest is deducted	do.	7,745	19,984	21,348	14,882	19,294	20,590	15,03	
Percent of farms with negative cash income	Percent	49.00	44.42	39.10	40.36	07 70	40.00		
Total expenses					40.30	27.72	48.26	44.0	
including depreciation	Dollars	47,917	95,609	105,094	162,533	417,313	152,020	92,69	
Contractor expenses	do.	228	804	3,042	2,660	0	0	1,38	
Total expenses									
including contractors	do.	48,145	96,413	108,135	165,193	417,313	152,020	94,07	
Net cash farm income									
including contractors	do.	9,394	21,580	23,961	18,464	20,237	21,015	17,11	
Percent of farms with	Democrat	40.00							
negative NCFI Net farm income	Percent	48.96	44.39	38.71	39.94	27.72	48.26	43.8	
Percent of farms with	Dollars	13,285	24,700	25,724	12,746	14,126	21,702	19,06	
negative net farm income	Percent	20.12	22.52	20.10	20.17				
Net farm income	rencent	20.12	22.52	32.10	39.17	26.91	29.68	26.1	
including contractors	Dollars	14,934	26.297	28.337	16 220	15 000	00 100		
Percent of farms with	0011013	14,554	20,297	20,337	16,328	15,069	22,126	21,14	
negative NFI	Percent	20.08	22.41	31.45	38.31	26.56	20 69	<b>ar</b> 0	
Estimated principal	reroent	20.00	22.41	51.45	30.31	20.50	29.68	25.8	
repayment	Dollars	0	2,023	7,584	16,659	31,142	30,789	5,20	
Cash income after		•	2,020	7,004	10,000	51,142	30,765	5,20	
interest and principal									
are deducted	do.	7,745	17,961	13,764	-1,777	-11,848	-10,199	9,824	
Percent of farms with					-,	11,040	10,100	3,02	
negative cash income	Percent	49.00	46.32	46.31	56.92	40.28	72.56	48.68	
Nonfarm income	Dollars	28,064	22,233	24,960	19,464	13,600	17,563	24,834	
Estimated family								•	
living expenses Cash income after adding	do.	19,200	19,200	19,200	19,200	19,200	19,200	19,200	
nonfarm income and deducting									
family living expenses	do.	16 600	20.004	10 504	1	17			
Percent of farms with	ω.	16,609	20,994	19,524	-1,513	-17,449	-11,835	15,457	
negative income after									
principal and family living expenses are deducted	Percent	46.64	31.73	31.70	54.90	53.31	88.54	41.09	

Appendix table 31Combined far	m income and casi	h-flow statement by	land tenure, January	1, 1989Continued

		No	No 0.01- 0.11- 0.41- 0.71- 0ver						
81-90 percent	Unit	debt	0.10	0.40	0.70	1.0	1.0	All farms	
							0 147	110 500	
umber of farms ercent of farms	Number Percent	46,683 40.04	28,266 24.24	28,792 24.69	7,756 6.65	1,936 1.66	3,147 2.69	116,580 100.00	
arm income:									
Livestock sales	Dollars do.	30,816 18,783	48,044 25,761	82,282 29,299	111,436 39,445	92,673 15,485	14,710 8,987	53,660 24,127	
Crop sales Net change in CCC loans	do.	2,158	-639	-2,461	-6,934	-3,032	-1,569	-453	
Government payments	do.	4,336	8,000	8,049	10,334	14,191	3,568	6,683	
Other farm income	do.	4,112	4,057	5,459	8,378	3,629	1,039	4,624	
Gross cash farm income	do.	60,203	85,223	122,628	162,659	122,946	26,735	88,642	
Nonmoney income	do.	7,973	8,530	8,708	13,330	4,488	4,442	8,493	
Value of inventory change	do.	2,000	2,242	6,553	3,013	-8,498	132	3,026	
Gross farm income	do.	70,177	95,995	137,890	179,002	118,936	31,309	100,161	
Estimated contractor income Gross farm income	do.	5,366	4,621	29,114	12,030	147	603	11,279	
including contractors	do.	75,543	100,616	167,003	191,031	119,083	31,912	111,439	
Operating expenses	do.	41,025	58,849	88,487	111,948	99,244	28,882	62,426	
excluding interest Cash income before							-		
interest is deducted Percent of farms with	do.	19,178	26,374	34,141	50,711	23,702	-2,147	26,216	
negative cash income	Percent	37.54	34.54	28.74	24.74	12.08	60.97	34.00	
Interest expense	Dollars	608	4,356	14,642	21,131	23,455	11,084	7,010	
Cash income after interest is deducted	do.	18,570	22,018	19,499	29,580	247	-13,231	19,205	
Percent of farms with negative cash income	Percent	38.45	39.91	43.56	39.66	56.45	83.36	41.66	
Total expenses									
including depreciation Contractor expenses	Dollars do.	48,098 357	72,993 180	115,441 6,915	145,899 10,444	128,142 0	43,132 3	78,468 2,589	
Total expenses including contractors	do.	48,455	73,174	122,356	156,344	128,142	43,136	81,057	
Net cash farm income including contractors	do.	23,580	26,458	41,698	31,165	394	-12,631	27,895	
Percent of farms with									
negative NCFI	Percent	38.40	40.07	40.24	39.57	56.08	83.36	40.84	
Net farm income	Dollars	22,078	23,002	22,449	33,102	-9,206	-11,823	21,693	
Percent of farms with negative net farm income	Percent	16.08	22.54	31.92	28.13	29.61	74.38	24.16	
Net farm income including contractors	Dollars	27,088	27,442	44,648	34,688	-9,059	-11,224	30,382	
Percent of farms with			22.60	31.50	28.16	29.23	74.38	24.06	
negative NFI Estimated principal	Percent	16.06							
repayment Cash income after	Dollars	0	2,118	9,305	20,055	22,807	12,625	4,865	
interest and principal are deducted	do.	18,570	19,900	10,194	9,525	-22,560	-25,856	14,340	
Percent of farms with					·				
negative cash income	Percent	38.45	45.76	52.62	53.00	61.39	96.15	46.63	
Nonfarm income Estimated family	Dollars	23,674	23,857	24,505	29,607	26,951	45,576	24,964	
living expenses Cash income after adding nonfarm income and deducting	do.	19,200	19,200	19,200	19,200	19,200	19,200	19,200	
family living expenses Percent of farms with negative income after	do.	23,044	24,556	15,500	19,932	-14,808	520	20,104	
principal and family living		41.51	36.81	46.76	36.40	37.37	88.40	42.52	

Appendix table 31Combined far	m income and cash-flow statement by	' land tenure, Januar	y 1, 1989Continued

			Debt/asset ratio					
Full owner	Unit	No debt	0.01-0.10	0.11- 0.40	0.41- 0.70	0.71-	Over	A11
			0.10	0.40	0.70	1.0	1.0	farms
Number of farms	Number	546,666	121,960	165,389	70,982	19,674	5 995	020 557
Percent of farms	Percent	58.74	13.10	103,383	7.62	2.11	5,886 .63	930,557 100.00
Farm income:								
Livestock sales	Dollars	8,370	25,827	29,797	30,209	37,679	47,790	17,001
Crop sales	do.	8,150	20,918	22,463	15,593	33,356	45,701	13,705
Net change in CCC loans Government payments	do.	-95	-563	-931	-544	-554	-171	-349
Other farm income	do. do.	992 1,699	2,204	2,826	3,561	1,996	3,377	1,709
Gross cash farm income	do.	19,116	6,843 55,229	4,262 58,416	3,692	21,559	5,954	3,427
Nonmoney income	do.	7,280	9,058	8,804	52,511 7,786	94,036 7,625	102,651	35,493
Value of inventory change	do.	-331	1,566	2,215	3,308	1,439	4,223 -2,462	7,811 672
Gross farm income	do.	26,065	65,852	69,435	63,605	103,100	104,413	43,975
Estimated contractor income	do.	5,860	13,792	12,863	20,932	50,859	31,253	
Gross farm income		-,	10,702	12,000	20,002	50,055	51,255	10,406
including contractors	do.	31,925	79,644	82,299	84,537	153,959	135,666	54,381
Operating expenses								
excluding interest	do.	14,521	39,687	43,393	37,195	43,275	67,017	25,621
Cash income before		1,011	00,007	40,000	57,135	43,275	07,017	23,021
interest is deducted	do.	4,594	15,542	15,023	15,316	50,761	35,634	0 072
Percent of farms with		,,,	10,045	10,020	13,510	30,701	33,034	9,873
negative cash income	Percent	48.44	43.97	46.03	50.83	42.82	32.36	47.39
Interest expense	Dollars	238	2,408	6,871	10,593	11,888	17,024	
Cash income after		200	2,100	0,0/1	10,000	11,000	17,024	2,843
interest is deducted	do.	4,356	13,134	8,152	4,723	38,873	18,610	7,029
Percent of farms with				0,102	4,720	50,075	10,010	7,023
negative cash income	Percent	49.07	49.14	60.68	63.74	60.63	57.25	52.55
Total expenses						00.00	57.25	52.55
including depreciation	Dollars	16,727	46,836	55,776	52,902	60,060	89,927	31.752
Contractor expenses	do.	1,652	10,009	4,363	11,762	19,956	10,771	4,445
Total expenses				•			10,771	1,110
including contractors	do.	18,379	56,845	60,139	64,663	80,016	100,698	36,197
Net cash farm income					•		,	
including contractors	do.	8,565	16,917	16,652	13,893	69,776	39,092	12,990
Percent of farms with						•		
negative NCFI	Percent	49.25	49.41	59.73	62.61	61.21	55.39	52.44
Net farm income	Dollars	9,338	19,016	13,659	10,703	43,040	14,486	12,224
Percent of farms with	-						•	• • • • •
negative net farm income	Percent	16.03	20.16	28.33	37.20	42.57	46.97	21.13
Net farm income								
including contractors	Dollars	13,546	22,800	22,159	19,873	73,943	34,968	18,185
Percent of farms with	n							
negative NFI Estimated principal	Percent	16.15	20.59	28.27	35.93	43.16	46.58	21.16
Estimated principal repayment	De 11eme	•		F 000				
Cash income after	Dollars	0	1,296	5,282	8,825	10,315	15,363	2,097
interest and principal								
are deducted	do.	4 255	11 700	0 710				
Percent of farms with	ω.	4,356	11,780	2,713	-4,342	26,181	-3,170	4,787
negative cash income	Percent	49.07	53.70	70 40	70.04	70 50		
negurite cash income	rercent	49.07	53.70	70.49	79.64	76.58	84.71	56.62
Nonfarm income	Dollars	32,181	42,117	37,814	34 635	25 502	10.070	
Estimated family	Dornars	52,101	42,11/	37,014	34,625	35,523	18,878	34,657
living expenses	do.	19,200	19,200	19,200	10 200	10 200	10 000	10 000
Cash income after adding	uv.	13,200	13,200	19,200	19,200	19,200	19,200	19,200
nonfarm income and deducting								
family living expenses	do.	17,337	34,697	21,326	11,083	42 502	-3 402	20 245
Percent of farms with		~,00)	07,037	,	11,003	42,503	-3,492	20,245
negative income after								
principal and family living								
expenses are deducted	Percent	49.83	42.97	34.77	41.22	54.66	60.22	45.76
•				···//		UU.FU	00.22	40./0

Source: 1988 Farm Costs and Returns Survey, USDA.

	Appendix table 32Combined farm	income and cash-flow s	statement by occupational	specialty, January 1, 1989
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FarmingUnitdebtCNumber of farmsNumber440,28116Percent of farmsPercent44.80Farm income:Livestock salesDollars20,3595Crop salesdo.21,9183Net change in CCC loansdo.39-Government paymentsdo.3,7310Other farm incomedo.3,633-Gross cash farm incomedo.48,61010Nonmoney incomedo.6,553-Value of inventory changedo.634Gross farm incomedo.5,79611Estimated contractor incomedo.5,79611Estimated contractorsdo.64,61112Operating expensesexcluding interestdo.33,9527Cash income beforeinterest is deducteddo.14,6587Interest is deducteddo.14,1027Percent of farms withnegative cash incomePercent36.49Total expensesdo.2,5357Interest is deducteddo.14,6514Net cash farm incomePercent36.497Total expensesdo.2,5357Including contractorsdo.2,5357Total expensesdo.2,5357Including contractorsdo.20,3827Percent of farms withnegative NCFIPercent36,63Net farm incomeDollars </th <th colspan="7">Debt/asset ratio</th>	Debt/asset ratio						
Numberof farmsNumber440,28116Percent of farmsPercent44.80Farm income:Livestock salesDollars20,3595Crop salesdo.21,9183Net change in CCC loansdo.3,731Other farm incomedo.2,563Gross cash farm incomedo.46,610Numoney incomedo.6,553Value of inventory changedo.634Gross farm incomedo.55,796It estimated contractor incomedo.55,796Gross farm incomedo.54,611Gross farm incomedo.55,796interest is deducteddo.14,658Percent of farms withnegative cash incomePercentInterest is deducteddo.14,102Percent of farms withnegative cash incomePercentnegative cash incomePercent36,49Total expensesdo.2,535Total expensesdo.2,535Total expensesdo.20,382Percent of farms withnegative NCFIPercentnegative NCFIPercent36,63Net cash farm incomeDollars16,679Percent of farms withnegative NCFIPercentnegative NCFIPercent17.60Net farm incomeDollars16,679Percent of farms withnegative NCFInegative NFIPercent17.60Net farm incomeDollars0Cash income	0.01- 0.10	0.11- 0.40	0.41- 0.70	0.71- 1.0	Over 1.0	All farms	
Percent of farms Percent 44.80 Farm income: Livestock sales Dollars 20,359 5 Crop sales do. 21,918 3 Net change in CCC loans do. 3,731 Other farm income do. 3,731 Other farm income do. 48,610 10 Nonmoney income do. 6,553 Value of inventory change do. 634 Gross farm income do. 55,796 11 Estimated contractor income do. 8,815 13 Gross farm income do. 64,611 12 Operating expenses excluding interest do. 33,952 12 Cash income before including contractors do. 14,658 23 Percent of farms with negative cash income Percent 35,75 Interest is deducted do. 14,102 23 Percent of farms with negative cash income Percent 36,49 Total expenses including contractors do. 41,651 43 Net cash farm income including contractors do. 20,382 13 Cash ancome Stare including contractors do. 20,382 13 Contractor expenses do. 2,535 Total expenses including contractors do. 41,651 43 Net cash farm income including contractors do. 41,651 43 Net cash farm income including contractors do. 41,651 43 Net cash farm sitch negative wCFI Percent 36,63 Net farm income including contractors do. 20,382 13 Percent of farms with negative wCFI Percent 17,60 Net farm income including contractors Dollars 22,959 13 Percent of farms with negative wFI Percent 17,70 Estimated principal are deducted do. 14,102 14 Percent of farms with negative met farm income Percent 17,60 Net farm income Percent 17,70 Estimated principal are deducted do. 14,102 14 Percent of farms with negative ash income Percent 17,70 Estimated farm yith negative cash income Percent 36,49 Nonfarm income Dollars 17,326 Estimated family living expenses do. 19,200 Cash income after adding nonfarm income and deducting family living expenses do. 12,228							
Farm income:Livestock salesDollars20,3595Crop salesdo.21,9183Net change in CCC loansdo.39-Government paymentsdo.2,563-Gross cash farm incomedo.48,61010Nonmoney incomedo.6,553-Value of inventory changedo.6,553-Gross farm incomedo.6,553-Gross farm incomedo.6,557-including contractor incomedo.6,61112Operating expensesexcluding interestdo.64,61112Cash income beforeinterest is deducteddo.14,6582interest is deducteddo.14,6582Percent of farms withnegative cash incomePercent35.75Interest is deducteddo.14,102-Percent of farms withnegative cash incomePercent36.49Total expensesdo.14,102-including contractorsdo.41,6514Net cash farm incomedo.20,382-including contractorsdo.41,6514Net cash farm incomedo.20,382-including contractorsdo.41,6514Net cash farm incomeDollars16,679-Percent of farms withnegative net farm incomeDollars16,679Percent of farms withnegative NFIPercent17.60	65,023	234,170	96,341	29,184	17,594	982,593	
Livestock sales Dollars 20,359 5 Crop sales do. 21,918 3 Government payments do. 3,731 Other farm income do. 48,610 10 Nonmoney income do. 48,610 10 Nonmoney income do. 6,553 Value of inventory change do. 634 Gross farm income do. 64,611 12 Gross farm income do. 64,611 12 Operating expenses excluding interest do. 33,952 7 Cash income bfore interest is deducted do. 14,658 2 Percent of farms with negative cash income Percent 35.75 Including depreciation Dollars 39,117 4 Contractor expenses do. 2,535 Total expenses including contractors do. 41,651 4 Net cash farm income Percent 36.49 Total expenses including contractors do. 41,651 4 Net cash farm swith negative cash income Percent 36.49 Total expenses including contractors do. 41,651 4 Net cash farm income including contractors do. 41,651 4 Net cash farm income including contractors do. 41,651 4 Net cash farm income including contractors do. 20,382 5 Total expenses including contractors do. 41,651 4 Net cash farm income including contractors do. 20,382 5 Percent of farms with negative net farm income including contractors do. 20,382 5 Percent of farms with negative net farm income including contractors do. 41,651 4 Net farm income including contractors do. 41,651 4 Net farm income including contractors do. 41,651 4 Net farm income Percent 36.63 Net farm swith negative NFI Percent 36.63 Net farm swith negative NFI Percent 17.60 Net farms with negative NFI Percent 17.70 Estimated principal are deducted do. 14,102 5 Percent of farms with negative cash income Percent 36.49 Nonfarm income Percent 36.49 Nonfarm income After 36.4	16.79	23.83	9.80	2.97	1.79	100.00	
Crop salesdo.21,91833Net change in CCC loansdo.39-Government paymentsdo.3,731Other farm incomedo.48,610Nonmoney incomedo.6533Value of inventory changedo.634Gross farm incomedo.6541Value of inventory changedo.6531Value of inventory changedo.634Gross farm incomedo.6815including contractor incomedo.8,815Gross farm incomedo.33,952Cash income beforeinterest is deducteddo.Interest is deducteddo.14,658Percent of farms withnegative cash incomePercentnegative cash incomePercent35.75Interest expenseDollars555Cash income afterincluding depreciationDollarsincluding depreciationDollars39,117Contractor expensesdo.2,535Including contractorsdo.41,651Net cash farm incomeDollars16,679Percent of farms withnegative NCFIPercentnegative NCFIPercent36.63Net farm incomeDollars17.60Net farm incomeDollars0Cash income afterincluding contractorsDollarsincluding contractorsDollars0Rest incomePercent17.70Percent of farms withRegative NFInegative NFI <td< td=""><td></td><td></td><td>~~ ~~~</td><td></td><td>74 010</td><td></td></td<>			~~ ~~~		74 010		
Net change in CCC loansdo.39Government paymentsdo.3,731Other farm incomedo.2,553Gross cash farm incomedo.48,610Nonmoney incomedo.634Gross farm incomedo.655,796Yalue of inventory changedo.634Gross farm incomedo.64,611Ite stimated contractor incomedo.64,611Gross farm incomedo.64,611Ite stimated contractor incomedo.64,611Operating expensesexcluding interestdo.excluding interestdo.14,658excluding interestdo.14,658Percent of farms withnegative cash incomePercentnegative cash incomePercent35.75Interest is deducteddo.14,102Percent of farms withnegative cash incomePercentnegative cash incomePercent36.49Total expensesdo.2,535including contractorsdo.20,382Percent of farms withnegative net farm incomeincluding contractorsdo.20,382Percent of farms withnegative NCFInegative NCFIPercent36.63Net farm incomeDollars16,679Percent of farms withnegative net farm swithnegative NFIPercent17.70Estimated principalare deducteddo.repaymentDollars0Cash income afterdo. <tr< td=""><td>50,582</td><td>74,035</td><td>82,929</td><td>102,744</td><td>74,216</td><td>47,773 38,228</td></tr<>	50,582	74,035	82,929	102,744	74,216	47,773 38,228	
Government paymentsdo.3.731Other farm incomedo.2.553Gross cash farm incomedo.48.610Nonmoney incomedo.6.553Value of inventory changedo.6.553Value of inventory changedo.8.815Gross farm incomedo.8.815Interest contractorsdo.64.611Operating expensesexcluding interestdo.excluding interestdo.14.658Percent of farms withnegative cash incomePercentnegative cash incomePercent35.75Interest is deducteddo.14.102Percent of farms withnegative cash incomePercentincluding depreciationDollars39.117Contractor expensesdo.20.382Total expensesdo.41.651including contractorsdo.41.651Net cash farm incomeDollars20.382Percent of farms withnegative NCFIPercentnegative NCFIPercent17.60Net farm incomeDollars0Cash income afterincluding contractorsincluding contractorsDollars0Cash in	38,236 -1,319	57,273 -3,082	53,840 -3,807	57,081 -3,205	76,082 -2,481	-1,452	
Other farm incomedo.2,563Gross cash farm incomedo.48,61010Nonmoney incomedo.6,55311Value of inventory changedo.634Gross farm incomedo.55,79611Estimated contractor incomedo.8,81511Gross farm incomedo.64,61112Operating expensesexcluding interestdo.64,61112Operating expensesexcluding interestdo.14,6582excluding interestdo.14,6582Percent of farms withnegative cash incomePercent35.75Interest is deducteddo.14,1022Percent of farms withnegative cash incomePercent36.49Total expensesincluding contractorsdo.2,535Total expensesdo.20,3823including contractorsdo.20,3823Percent of farms withnegative NCFIPercent36.63Net cash farm incomeDollars16,6793Percent of farms withnegative net farm incomePollars22,959Percent of farms withnegative net farm swith014,102negative NFIPercent17.6014,1023Net farm incomeDollars16,67933Percent of farms withnegative NFIPercent17.60Net farm incomeDollars014,1023Percent of farms withnegati	8,085	12,926	15,521	14,101	14,100	8,303	
Gross cash farm incomedo.48,61010Nonmoney incomedo.6,553Value of inventory changedo.634Gross farm incomedo.55,796ItEstimated contractor incomedo.8,815Gross farm incomeincluding contractorsdo.64,611Derating expensesexcluding interestdo.33,952excluding interestdo.33,952do.Cash income beforeinterest is deducteddo.14,658interest is deducteddo.14,658do.Percent of farms withnegative cash incomePercent35.75Interest is deducteddo.14,102do.Percent of farms withnegative cash incomePercent36.49Total expensesdo.2,535do.2,535Total expensesdo.20,382do.41,651including contractorsdo.41,651do.Net cash farm incomebollars16,679do.Percent of farms withnegative MCFIPercent36.63Net farm incomeDollars16,679do.Percent of farms withnegative net farms withnegative met farms withnegative met farms withnegative met farms withdo.negative met farms withnegative met farms withnegative met farms withnegative met farms withnegative met farms withdo.negative met farms withnegative met farms withdo.negative met farms with </td <td>4,932</td> <td>6,971</td> <td>9,021</td> <td>25,115</td> <td>12,834</td> <td>5,498</td>	4,932	6,971	9,021	25,115	12,834	5,498	
Nonmoney incomedo.6,553Value of inventory changedo.634Gross farm incomedo.55,79611Estimated contractor incomedo.8,8151Gross farm incomeincluding contractorsdo.64,61114Operating expensesexcluding interestdo.33,9527Cash income beforeinterest is deducteddo.14,6587Interest is deducteddo.14,6587Percent of farms withnegative cash incomePercent35.75Interest expenseDollars55555Cash income afterinterest is deducteddo.14,102Interest is deducteddo.14,1027Percent of farms withnegative cash incomePercent36.49Total expensesincluding contractorsdo.20,3827including contractorsdo.41,6514Net cash farm incomeincluding contractorsdo.20,3827including contractorsdo.20,3827Percent of farms withnegative NCFIPercent36.637Net farm incomeDollars16,67977Percent of farms withnegative net farm incomePercent17.60Net farm incomeDollars22,95977Percent of farms withnegative NFIPercent17.70Estimated principalrepaymentDollars00Cash income afteri	.00,517	148,122	157,504	195,835	174,751	98,351	
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Gross farm incomedo.55,79611Estimated contractor incomedo.8,8151Gross farm incomeincluding contractorsdo.64,61112Operating expensesexcluding interestdo.33,95212Cash income beforeinterest is deducteddo.14,65824Percent of farms withnegative cash incomePercent35,7535,75Interest expenseDollars55555Cash income afterinterest is deducteddo.14,10224Percent of farms withnegative cash incomePercent36,49Total expensesincluding depreciationDollars39,11740Contractor expensesdo.2,53555Total expensesincluding contractorsdo.41,65140Including contractorsdo.41,65140Net cash farm incomeincluding contractorsdo.20,38241Percent of farms withnegative NCFIPercent36.6341Net farm incomeDollars16,6794141negative net farm incomeDollars16,67941Percent of farms withnegative NFIPercent17.60Net farm income afterinterest and principalare deducteddo.14,102repsymentDollars014,10241Nonfarm incomePercent36.634141Nonfarm incomeDollars01441 <td< td=""><td>4,537</td><td>8,793</td><td>8,341</td><td>3,417</td><td>-5,910</td><td>3,955</td></td<>	4,537	8,793	8,341	3,417	-5,910	3,955	
Estimated contractor incomedo.8,8151Gross farm incomeincluding contractorsdo.64,61114Including contractorsdo.64,61114Operating expensesexcluding interestdo.33,9527Cash income beforeinterest is deducteddo.14,6587Interest is deducteddo.14,65875Interest expenseDollars555Cash income afterinterest is deducteddo.14,102Interest is deducteddo.14,1027Percent of farms withnegative cash incomePercent36.49Total expensesincluding depreciationDollars39,117Including contractorsdo.21,5357Total expensesdo.2,5357Total expensesdo.20,3827including contractorsdo.20,3827Percent of farms withnegative NCFIPercent36.63Net farm incomeDollars16,6797Percent of farms withnegative NFIPercent17.60Net farm incomeDollars02.9597Percent of farms withnegative NFIPercent17.70Estimated principalare deducteddo.14,102repaymentDollars0014,102Percent of farms withnegative NFIPercent36.49Nonfarm incomePercent36.490Nonfarm incomePercen	13,352	163,938	172,190	204,428	172,415	109,150	
Gross farm income including contractorsdo.64,61112Operating expenses excluding interestdo.33,95232Cash income before interest is deducteddo.14,65832Percent of farms with negative cash incomePercent35.75Interest expenseDollars555Cash income after interest is deducteddo.14,102Percent of farms with negative cash incomePercent36.49Total expenses including depreciationDollars39,117Contractor expenses including contractorsdo.41,651Net cash farm income including contractorsdo.41,651Net farm income including contractorsDollars16,679Percent of farms with negative NCFIPercent36.63Net farm income including contractorsDollars16,679Percent of farms with negative NCFIPercent17.60Net farm income including contractorsDollars22,959Percent of farms with negative NFIPercent17.70Estimated principal repaymentDollars0Cash income after interest and principal are deducteddo.14,102Percent of farms with negative cash incomePercent36.49Nonfarm income cash incomeDollars17,326Estimated family living expensesdo.19,200Cash income after and deducting family living expensesdo.12,228	13,695	18,531	27,638	38,534	23,060	14,933	
including contractorsdo.64,61112Operating expenses excluding interestdo.33,9522Cash income before interest is deducteddo.14,6582Percent of farms with negative cash incomePercent35.7535.75Interest expenseDollars55555Cash income after interest is deducteddo.14,1022Percent of farms with negative cash incomePercent36.4939.1174Total expenses including depreciationDollars39.1174Contractor expensesdo.2.5355Total expenses including contractorsdo.41,6514Net cash farm income including contractorsdo.20,3825Percent of farms with negative NCFIPercent36.633Net farm income including contractorsDollars16,6795Percent of farms with negative NCFIPercent17.605Net farm income including contractorsDollars22,9595Percent of farms with negative NFIPercent17.705Estimated principal are deducteddo.14,1025Percent of farms with negative cash incomePercent36.49Nonfarm income interest and principal are deducteddo.14,102Percent of farms with negative cash incomePercent36.49Nonfarm income interest and principal are deducteddo.14,102Percent of farms w			• • • •			- • •	
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Cash income before interest is deducteddo.14,658Percent of farms with negative cash incomePercent35.75Interest expenseDollars555Cash income after interest is deducteddo.14,102Percent of farms with negative cash incomePercent36.49Total expenses including depreciationDollars39,117Contractor expensesdo.2,535Total expensesdo.41,651including contractorsdo.41,651Net cash farm income including contractorsdo.20,382Percent of farms with negative NCFIPercent36.63Net farm income including contractorsDollars16,679Percent of farms with negative net farm incomePercent17.60Net farm income including contractorsDollars22,959Percent of farms with negative net farm incomePercent17.70Estimated principal repaymentDollars0Cash income after interest and principal are deducteddo.14,102Percent of farms with negative cash incomePercent36.49Nonfarm income Lotash incomeDollars0Cash income after interest and principal are deducteddo.14,102Percent of farms with negative cash incomePercent36.49Nonfarm income Lotash incomeDollars17,326Estimated family Itving expensesdo.19,200Cash income after anilyNonfarm income and ded							
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negative cash incomePercent35.75Interest expenseDollars555Cash income afterinterest is deducteddo.14,102interest is deducteddo.14,1022Percent of farms withnegative cash incomePercent36.49Total expensesincluding depreciationDollars39,117Contractor expensesdo.2,535Total expensesdo.2,535Total expensesdo.41,651including contractorsdo.20,382Percent of farms withnegative norms16,679negative NCFIPercent36.63Net farm incomeDollars16,679Percent of farms withnegative net farm incomeincluding contractorsDollars22,959Percent of farms withnegative NFIPercentnegative NFIPercent17.70Estimated principalrepaymentDollarsrepaymentDollars0Cash income afterinterest and principalare deducteddo.14,102Percent of farms withnegative cash incomenegative cash incomePercent36.49Nonfarm incomeDollars17,326Estimated familyliving expensesdo.nonfarm incomeInclusing19,200Cash income after addingnonfarm income and deductingfamily living expensesdo.12,228	27,904	42,817	42,246	55,166	39,611	27,948	
Interest expenseDollars555Cash income afterinterest is deducteddo.14,102interest is deducteddo.14,1022Percent of farms withnegative cash incomePercent36.49Total expensesincluding depreciationDollars39,117Contractor expensesdo.2,535Total expensesdo.2,535Total expensesdo.20,382including contractorsdo.20,382Percent of farms withnegative NCFIPercentnegative NCFIPercent36.63Net farm incomeDollars16,679Percent of farms withnegative net farm incomeincluding contractorsDollars17,60Net farm incomeDollars22,959Percent of farms withnegative NFIPercentnegative NFIPercent17.70Estimated principalare deducteddo.repaymentDollars0Cash income afterinterest and principalare deducteddo.14,102Percent of farms withnegative cash incomenegative cash incomePercent36.49Nonfarm incomeDollars17,326Estimated familyliving expensesdo.nofarm income and deductingfamily living expensesdo.nofarm incomedo.12,228							
Cash income afterinterest is deducteddo.14,102Percent of farms withnegative cash incomePercentnegative cash incomePercent36.49Total expensesincluding depreciationDollarsincluding depreciationDollars39,117Contractor expensesdo.2,535Total expensesdo.2,535Total expensesdo.41,651including contractorsdo.20,382Percent of farms withnegative not farms withnegative NCFIPercent36.63Net farm incomeDollars16,679Percent of farms withnegative net farm incomeincluding contractorsDollars22,959Percent of farms withnegative NFIPercentnegative NFIPercent17.70Estimated principalrepaymentDollarsrepaymentDollars0Cash income afterdo.14,102interest and principalare deducteddo.negative cash incomePercent36.49Nonfarm incomeDollars17,326Estimated familyliving expensesdo.living expensesdo.19,200Cash income after addingnonfarm income and deductingfamily living expensesdo.12,228	27.72	20.79	19.12	24.47	24.31	28.67	
interest is deducteddo.14,102Percent of farms withnegative cash incomePercent36.49Total expensesincluding depreciationDollars39,117Contractor expensesdo.2,535Total expensesdo.2,535Total expensesdo.41,651including contractorsdo.41,651Net cash farm incomeincluding contractorsdo.20,382Percent of farms withnegative NCFIPercent36.63Net farm incomeDollars16,67920Percent of farms withnegative net farm income17.60Net farm incomeDollars22,95920Percent of farms withnegative net farm income0including contractorsDollars22,95920Percent of farms withnegative NFIPercent17.70Estimated principalrepaymentDollars0Cash income afterinterest and principalare deducteddo.interest and principalare deducteddo.14,102Percent of farms withnegative cash incomePercent36.49Nonfarm incomeDollars17,326Estimated familyliving expensesdo.19,200Cash income after addingnonfarm income and deductingfamily living expensesdo.	4,144	12,238	20,514	19,271	21,651	6,833	
Percent of farms with negative cash incomePercent36.49Total expensesincluding depreciationDollars39,117Contractor expensesdo.2,535Total expensesdo.2,535Total expensesdo.41,651including contractorsdo.41,651Net cash farm incomeincluding contractorsdo.including contractorsdo.20,382Percent of farms with negative NCFIPercent36.63Net farm incomeDollars16,679Percent of farms with negative net farm incomePercent17.60Net farm incomeDollars22,959Percent of farms with negative NFIPercent17.70Estimated principal repaymentDollars0Cash income after interest and principal are deducteddo.14,102Percent of farms with negative cash incomePercent36.49Nonfarm incomeDollars17,326Estimated familyliving expensesdo.19,200Cash income after adding nonfarm income and deducting family living expensesdo.12,228							
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Total expenses including depreciationDollars39,117Contractor expenses including contractorsdo.2,535Total expenses including contractorsdo.41,651Net cash farm income including contractorsdo.20,382Percent of farms with negative NCFIPercent36,63Net farm incomeDollars16,679Percent of farms with negative net farm incomePercent17.60Net farm incomeDollars22,959Percent of farms with negative net farm suith negative net farm suith negative net farms with negative NFIPercent17.70Estimated principal are deducteddo.14,102Percent of farms with negative cash incomePercent36.49Nonfarm incomeDollars17,326Estimated family living expensesdo.19,200Cash income after interest and principal are deducted19,200Cash income after adding nonfarm income and deducting family living expensesdo.12,228	33.72	29.07	30.03	40.38	37.26	33.75	
Contractor expensesdo.2,535Total expensesincluding contractorsdo.41,651Net cash farm incomeincluding contractorsdo.20,382Percent of farms withnegative NCFIPercent36.63Net farm incomeDollars16,679Percent of farms withnegative net farm incomePercentIncluding contractorsDollars12,959Percent of farms withnegative net farm income22,959Including contractorsDollars22,959Percent of farms withnegative NFIPercentIncluding contractorsDollars0Cash income afterinterest and principalare deductedare deducteddo.14,102Percent of farms withnegative cash incomePercentStimated farmilyDollars17,326Estimated familyliving expensesdo.19,200Cash income after addingnonfarm income and deductingfamily living expensesdo.Iving expensesdo.12,228		100.000	140 120	171 400	100 410	05 000	
Total expensesincluding contractorsdo.41,651Net cash farm incomeincluding contractorsdo.20,382Percent of farms withnegative NCFIPercent36.63Net farm incomeDollars16,679Percent of farms withnegative net farm incomePercent17.60Net farm incomePercent17.60Net farm incomeDollars22,959Percent of farms withnegative NFIPercent17.70Estimated principalrepaymentDollars0Cash income afterinterest and principalare deducteddo.14,102Percent of farms withnegative cash incomePercent36.49Nonfarm incomeDollars17,326Estimated familyIving expensesdo.19,200Cash income after adding nonfarm income and deducting family living expensesdo.12,228	86,188	130,880	149,130	171,488	166,412	85,888	
including contractorsdo.41,651Net cash farm incomeincluding contractorsdo.20,382Percent of farms withnegative NCFIPercent36.63Net farm incomeDollars16,679Percent of farms withnegative net farm incomePercent17.60Net farm incomeDollars22,95936Including contractorsDollars22,95936Percent of farms withnegative NFIPercent17.70Estimated principalrepaymentDollars0Cash income afterinterest and principalare deducteddo.14,102Percent of farms withnegative cash incomePercent36.49Nonfarm incomeDollars17,32625Estimated familyliving expensesdo.19,200Cash income after addingnonfarm income and deducting12,228	3,723	5,505	12,489	9,298	3,184	4,631	
Net cash farm income including contractorsdo.20,382Percent of farms with negative NCFIPercent36.63Net farm incomeDollars16,679Percent of farms with negative net farm incomePercent17.60Net farm incomePercent17.60Net farm incomeDollars22,959Percent of farms with negative NFIPercent17.70Estimated principal repaymentDollars0Cash income after interest and principal are deducteddo.14,102Percent of farms with negative cash incomePercent36.49Nonfarm incomeDollars17,326Estimated family living expensesdo.19,200Cash income after adding nonfarm income and deducting family living expensesdo.12,228	90 011	136,385	161,619	180,786	169,596	90,519	
including contractorsdo.20,382Percent of farms with negative NCFIPercent36.63Net farm incomeDollars16,679Percent of farms with negative net farm incomePercent17.60Net farm incomePercent17.60Net farm incomePercent17.70Including contractorsDollars22,959Percent of farms with negative NFIPercent17.70Estimated principal are deductedDollars0Cash income after interest and principal are deducteddo.14,102Percent of farms with negative cash incomePercent36.49Nonfarm incomeDollars17,326Estimated family living expensesdo.19,200Cash income after adding nonfarm income and deducting family living expensesdo.12,228	89,911	130,305	101,019	100,700	109,590	30,013	
Percent of farms with negative NCFIPercent36.63Net farm incomeDollars16,679Percent of farms with negative net farm incomePercent17.60Net farm incomePercent17.60Net farm incomeDollars22,959including contractorsDollars22,959Percent of farms with negative NFIPercent17.70Estimated principal are deductedDollars0Cash income after interest and principal are deducteddo.14,102Percent of farms with negative cash incomePercent36.49Nonfarm incomeDollars17,326Estimated family living expensesdo.19,200Cash income after adding nonfarm income and deducting family living expensesdo.12,228	33,732	43,606	36,881	65,131	37,838	31,418	
negative NCFIPercent36.63Net farm incomeDollars16,679Percent of farms withnegative net farm incomePercentnegative net farm incomePercent17.60Net farm incomeDollars22,959including contractorsDollars22,959Percent of farms withnegative NFIPercentnegative NFIPercent17.70Estimated principalrepaymentDollarsrepaymentDollars0Cash income afterdo.14,102interest and principalare deducteddo.are deducteddo.14,102Percent of farms withnegative cash incomePercentafter deducteddo.14,102Percent of farms withnegative cash incomePercentafter deducteddo.19,200Cash income after addingnonfarm income and deductingfamily living expensesdo.12,228							
Net farm incomeDollars16,679Percent of farms withnegative net farm incomePercent17.60Net farm incomePercent17.60Net farm incomeDollars22,959Percent of farms withPercent17.70Estimated principalrepaymentDollars0Cash income afterinterest and principalare deducteddo.14,102Percent of farms withnegative cash incomePercent36.49Nonfarm incomeDollars17,326Estimated familyliving expensesdo.19,200Cash income after addingnonfarm income and deductingfamily living expensesdo.12,228	33.39	28.56	29.61	39.48	36.44	33.56	
Percent of farms with negative net farm incomePercent17.60Net farm incomeincluding contractorsDollars22,959Percent of farms with negative NFIPercent17.70Estimated principal repaymentDollars0Cash income after 	27,165	33,059	23,061	32,940	6,003	23,261	
negative net farm incomePercent17.60Net farm incomeincluding contractorsDollars22,959Percent of farms withnegative NFIPercent17.70Estimated principalrepaymentDollars0Cash income afterinterest and principalare deducteddo.14,102Percent of farms withnegative cash incomePercent36.49Nonfarm incomeDollars17,326Estimated familyliving expensesdo.19,200Cash income after addingnonfarm income and deductingfamily living expensesdo.		-					
including contractorsDollars22,959Percent of farms withnegative NFIPercent17.70Estimated principalrepaymentDollars0Cash income afterinterest and principalare deducteddo.14,102Percent of farms withnegative cash incomePercent36.49Nonfarm incomeDollars17,326Estimated familyliving expensesdo.19,200Cash income after addingnonfarm income and deductingfamily living expensesdo.	20.87	26.64	33.36	40.25	40.85	22.94	
Percent of farms with negative NFIPercent17.70Estimated principal repaymentDollars0Cash income after interest and principal are deducteddo.14,102Percent of farms with negative cash incomePercent36.49Nonfarm incomeDollars17,326Estimated family living expensesdo.19,200Cash income after and deducting family living expensesdo.12,228							
negative NFIPercent17.70Estimated principalprincipalrepaymentDollars0Cash income afterinterest and principalare deducteddo.14,102Percent of farms withnegative cash incomePercentnegative cash incomeDollars17,326Estimated familyliving expensesdo.19,200Cash income after addingnonfarm income and deducting12,228	37,136	46,085	38,209	62,176	25,879	33,564	
Estimated principal repayment Dollars 0 Cash income after interest and principal are deducted do. 14,102 Percent of farms with negative cash income Percent 36.49 Nonfarm income Dollars 17,326 Estimated family living expenses do. 19,200 Cash income after adding nonfarm income and deducting family living expenses do. 12,228							
repayment Dollars 0 Cash income after interest and principal are deducted do. 14,102 Percent of farms with negative cash income Percent 36.49 Nonfarm income Dollars 17,326 Estimated family living expenses do. 19,200 Cash income after adding nonfarm income and deducting family living expenses do. 12,228	20.47	25.90	31.79	38.75	39.08	22.51	
Cash income after interest and principal are deducted do. 14,102 Percent of farms with negative cash income Percent 36.49 Nonfarm income Dollars 17,326 Estimated family living expenses do. 19,200 Cash income after adding nonfarm income and deducting family living expenses do. 12,228							
interest and principal are deducted do. 14,102 Percent of farms with negative cash income Percent 36.49 Nonfarm income Dollars 17,326 Estimated family living expenses do. 19,200 Cash income after adding nonfarm income and deducting family living expenses do. 12,228	1,878	7,934	14,994	18,677	24,421	4,668	
are deducteddo.14,102Percent of farms with negative cash incomePercent36.49Nonfarm incomeDollars17,326Estimated family living expensesdo.19,200Cash income after adding nonfarm income and deducting family living expensesdo.12,228							
Percent of farms with negative cash incomePercent36.49Nonfarm incomeDollars17,326Estimated familyliving expensesdo.19,200Cash income after adding nonfarm income and deducting family living expensesdo.12,228							
negative cash incomePercent36.49Nonfarm incomeDollars17,326Estimated familyliving expensesdo.19,200Cash income after adding nonfarm income and deducting family living expensesdo.12,228	21,882	22,645	6,738	17,218	-6,460	16,447	
Nonfarm income Dollars 17,326 Estimated family living expenses do. 19,200 Cash income after adding nonfarm income and deducting family living expenses do. 12,228	25 00	07 07	AF 00	<b>50 05</b>	C1 00	20.25	
Estimated family living expenses do. 19,200 Cash income after adding nonfarm income and deducting family living expenses do. 12,228	35.90	37.07	45.86	52.05	61.28	38.35	
living expenses do. 19,200 Cash income after adding nonfarm income and deducting family living expenses do. 12,228	16,793	17,418	14,816	13,241	14,558	16,841	
Cash income after adding nonfarm income and deducting family living expenses do. 12,228	10 200	10 200	10 200	19,200	19,200	19,200	
nonfarm income and deducting family living expenses do. 12,228	19,200	19,200	19,200	19,200	19,200	19,200	
family living expenses do. 12,228							
	19,474	20,863	2,353	11,259	-11,103	14,088	
	10,4/4	20,003	L,000	11,200	11,100	14,000	
negative income after							
principal and family living							
expenses are deducted Percent 55.93	45.62	43.22	54.10	74.13	65.37	51.70	

Appendix table 32--Combined farm income and cash-flow statement by occupational specialty, January 1, 1989--Continued

				D	<u>ebt/asset ra</u>	atio		
Hired manager	Unit	No debt	0.01-0.10	0.11-0.40	0.41-0.70	0.71-	Over	A11
	Onte	Gebt	0.10	0.40	0.70	1.0	1.0	farms
Number of farms	Number	9,014	2 771	2 640	1 654		L.	17.000
Percent of farms	Percent	50.18	2,771 15.42	2,648 14.74	1,654 9.20	d d	d d	17,960 100.00
Farm income:							-	
Livestock sales	Dollars	41,178	121,404	163,443	185,705	d	d	85,283
Crop sales	do.	127,077	185,662	280,572	15,357	ď	ď	148,789
Net change in CCC loans Government payments	do. do.	341	-919	-8,634	-1,647	d	d	-1,551
Other farm income	do. do.	4,632 11,361	5,152 159,598	15,747 17,997	2,850 2,744	d d	d d	6,483
Gross cash farm income	do.	184,588	470,897	469,125	205,009	d	d	33,712 272,716
Nonmoney income	do.	5,668	7,190	8,138	3,851	d	d	6,218
Value of inventory change Gross farm income	do. do.	-16,723	24,566	8,618	11,827	d	d	-1,975
Estimated contractor income	do.	173,533 16,250	502,653 16,675	485,881 28,973	220,687 559	d d	d d	276,959
Gross farm income			10,070	20,070	555	ŭ	u	17,950
including contractors	da.	189,783	519,328	514,854	221,246	ď	d	294,909
Operating expenses								
excluding interest Cash income before	do.	143,603	277,820	388,119	112,978	d	d	206,526
interest is deducted	do.	40,985	193,077	81,005	92,032	d		66 100
Percent of farms with	uo.	40,000	133,077	01,005	52,032	a	d	66,190
negative cash income	Percent	60.19	15.03	33.74	44.50	d	d	47.46
Interest expense Cash income after	Dollars	1,147	5,920	33,855	11,948	d	d	9,714
interest is deducted	do.	39,838	187,156	47,151	80,083	d	L.	FC 470
Percent of farms with	ω.	55,050	107,130	47,101	00,003	u	d	56,476
negative cash income	Percent	60.22	16.45	49.47	66.22	d	d	53.33
Total expenses including depreciation	Dollars	154,816	200 424	400 501	140 470			
Contractor expenses	do.	154,010	306,434 222,030	482,581 0	146,470 0	d d	d d	236,771
Total expenses		•	222,000	v	v	u	u	34,326
including contractors	do.	154,816	528,464	482,581	146,470	d	d	271,097
Net cash farm income including contractors	do.	56,088	-18,199	76,124	80,642	d	d	40.100
Percent of farms with		55,000	10,105	/0,124	00,042	u	a	40,100
negative NCFI	Percent	60.13	17.11	47.38	66.22	d	d	53.07
Net farm income Percent of farms with	Dollars	18,717	196,219	3,300	74,217	d	d	40,188
negative net farm income	Percent	38.44	30.51	33.77	38.75	d	d	35.09
Net farm income				00177		u	u	33.09
including contractors Percent of farms with	Dollars	34,967	-9,136	32,274	74,776	d	d	23,812
negative NFI	Percent	38.34	30.11	22 40	38.75			
Estimated principal	1 ci cent	30.34	30.11	33.40	30.75	d	d	34.91
repayment	Dollars	0	5,496	32,387	13,114	d	d	9,024
Cash income after interest and principal								
are deducted	do.	39,838	181,660	14,764	66,969	d		47 450
Percent of farms with		33,000	101,000	14,704	00,909	a	d	47,452
negative cash income	Percent	60.22	16.45	61.08	78.38	d	ď	58.31
Nonfarm income	Dollars	24,595	31,731	29,176	20,257	d	d	31,013
Estimated family	20110	27,000	01,701	23,170	20,237	u	u	31,013
living expenses	do.	19,200	19,200	19,200	19,200	d	ď	19,200
Cash income after adding nonfarm income and deducting								
family living expenses	do.	45,233	194,191	24,740	68,026	d	d	59,265
Percent of farms with		•	,				u	JJ, 200
negative income after principal and family living								
expenses are deducted	Percent	37.11	9.94	52.09	47.25	Ч	بر	25 FA
		07.11	0.04	JL.UJ	-1.CO	d	d	35.54
See footnotes at end of table.							Cont	inued

Appendix table 32Combined	farm income and cash-f	low statement by occupational	specialty, January 1, 1989Continued

		No	0.01-	Debt 0.11-	<u>:/asset_rat</u> 0.41-	0.71-	Over	A11
Other	Unit	debt	0.10	0.40	0.70	1.0	1.0	farms
				-				
mber of farms	Number	395,118	99,219	175,791	63,642	19,864	9,613	763,248
rcent of farms	Percent	51.76	12.99	23.03	8.33	2.60	1.25	100.00
m income:								
ivestock sales	Dollars	4,069	9,022	9,489	9,202	7,293	8,168	6,525
Crop sales	do.	3,682	5,077	6,149	7,078	10,667	9,282	4,967
let change in CCC loans	do.	-2	-68	-113	-256	-463	-1,571	-89
Government payments	do. do.	464 799	988 1,803	1,476 1,200	2,017 1,158	1,953 2,318	2,993 1,679	965 1,103
Other farm income Gross cash farm income	do.	9,012	16,822	18,199	19,199	21,768	20,551	13.470
	do.	7,382	8,825	8,342	8,947	6,415	1,520	7,822
lonmoney income /alue of inventory change	do.	470	-376	870	2,554	35	2,119	635
Gross farm income	do.	16,864	25,271	27,411	30,701	28,218	24,189	21,928
stimated contractor income	do.	77	3,637	846	3,124	8,814	4,359	1,252
iross farm income	uu.		5,057	040	5,124	0,014	4,000	1,656
including contractors	do.	16,941	28,909	28,258	33,825	37,033	28,548	23,180
Derating expenses								
excluding interest	do.	8,982	16,900	17,390	18,798	18,493	20,663	13,161
Cash income before				•	-	-		
interest is deducted	do.	31	-79	809	402	3,275	-112	309
Percent of farms with								
negative cash income	Percent	56.81	60.67	56.30	63.25	49.86	72.73	57.75
Interest expense	Dollars	218	1,407	3,770	6,093	6,942	5,158	1,918
Cash income after								
interest is deducted	do.	-188	-1,485	-2,961	-5,692	-3,667	-5,271	-1,609
Percent of farms with								
negative cash income	Percent	57.60	65.10	73.61	77.75	67.32	81.48	64.50
Total expenses								
including depreciation	Dollars	10,385	21,230	23,638	27,087	28,112	27,529	16,917
Contractor expenses	do.	67	2,482	244	2,147	6,563	1,944	788
Total expenses								
including contractors	do.	10,452	23,712	23,882	29,234	34,675	29,473	17,705
Net cash farm income								
including contractors	do.	-178	-330	-2,359	-4,715	-1,415	-2,856	-1,144
Percent of farms with	<b>.</b> .							
negative NCFI	Percent	57.64	65.21	72.22	75.80	67.32	81.48	64.05
Net farm income	Dollars	6,479	4,041	3,773	3,614	106	-3,340	5,010
Percent of farms with	- · ·				<b>.</b>	47.00	76 77	
negative net farm income	Percent	18.75	28.71	35.00	39.49	47.68	75.77	26.99
Net farm income		C 400	F 107	4 370	4 501	0 157	005	
including contractors	Dollars	6,489	5,197	4,376	4,591	2,357	-925	5,475
Percent of farms with	Doncost	10 75	20.04	24 07	20 45	17 60	75.77	26.93
negative NFI	Percent	18.75	29.04	34.97	38.45	47.68	/5.//	20.93
Estimated principal	Dollars	0	930	3 336	6,484	7,820	8,107	1,735
repayment Cash income after	Duilars	U	530	3,336	0,404	7,020	0,107	1,/35
interest and principal								
are deducted	do.	-188	-2,415	-6,297	-12,176	-11,487	-13,378	-3,344
Percent of farms with		100	L,413	0,20,	12,1/0	11,40,	10,0/0	0,044
negative cash income	Percent	57.60	71.13	83.16	90.01	83.96	92.76	69.08
lonfarm income	Dollars	42,659	55,077	43,380	45,642	41,561	19,961	44,374
stimated family								
living expenses	do.	19,200	19,200	19,200	19,200	19,200	19,200	19,200
Cash income after adding								
nonfarm income and deducting								
family living expenses	do.	23,272	33,462	17,883	14,266	10,874	-12,617	21,830
Percent of farms with				-			-	
negative income after								
principal and family living								
expenses are deducted	Percent	37.68	32.34	27.98	31.49	45.03	72.25	34.86

d = Data insufficient for disclosure. Source: 1988 Farm Costs and Returns Survey, USDA.

Appendix table 33Combined farm income and cash-flow statement by organizational structure, January 1, 1989	App	endix	tab	le	33Combined	farm	income	and	cash-f	low	statement	by	organizational	structure,	January	1,	1989
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					<u>bt/asset r</u>			
Individual	Unit	No debt	0.01-0.10	0.11- 0.40	0.41-0.70	0.71- 1.0	0ver 1.0	All farms
							1.0	raring
Number of farms	Number	784,043	238,135	374,786	147,648	47,359	24,601	1,616,572
Percent of farms	Percent	48.50	14.73	23.18	9.13	2.92	1.52	100.00
Farm income:								
Livestock sales	Dollars	9,914	27,451	36,789	44,387	36,920	41,098	23,142
Crop sales Net change in CCC loans	do. do.	8,969 15	17,790 -644	25,941 -1,368	28,392	32,477	32,158	17,019
Government payments	do.	1,805	4,439	6,767	-2,444 8,762	-2,119 8,739	-355 8,624	-695 4,286
Other farm income	do.	1,517	3,240	3,926	5,025	8,965	6,516	2,944
Gross cash farm income	do.	22,222	52,275	72,055	84,122	84,983	88,041	46,696
Nonmoney income	do.	6,881	8,294	7,409	7,048	5,594	3,011	7,130
Value of inventory change	do.	431	2,147	4,303	4,347	1,632	45	1,969
Gross farm income Estimated contractor income	do.	29,534	62,715	83,767	95,516	92,209	91,096	55,795
Gross farm income	do.	2,177	6,476	8,313	17,410	17,270	15,098	6,263
including contractors	do.	31,712	69,191	92,080	112,926	109,479	106,194	62,058
Operating expenses								
excluding interest	do.	17,146	39,375	52,406	62,932	61,866	69,048	34,877
Cash income before interest is deducted	do.	5,076	12,900	19,649	21,189	23,117	18,993	11,819
Percent of farms with								11,013
negative cash income	Percent	47.19	41.53	37.30	37.54	36.07	41.31	42.76
Interest expense Cash income after	Dollars	338	2,701	7,359	12,900	12,362	12,218	3,994
interest is deducted	do.	4,738	10,199	12,290	8,289	10,755	6,775	7,825
Percent of farms with		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	10,100	12,200	0,200	10,755	0,775	1.025
negative cash income Total expenses	Percent	47.99	46.65	49.68	50.13	52.86	52.23	48.59
including depreciation	Dollars	19,961	47,598	67,032	83,493	80,965	86,463	43,547
Contractor expenses	do.	852	2,545	2,886	8,887	8,449	2,294	2,551
Total expenses			-		• • • • •		-,	2,002
including contractors	do.	20,812	50,143	69,918	92,380	89,414	88,757	46,098
Net cash farm income including contractors	da	6 064	14 121	17 717	10.010	10 570		
Percent of farms with	do.	6,064	14,131	17,717	16,812	19,576	19,579	11,537
negative NCFI	Percent	48.11	46.57	48.77	49.11	52.36	52.08	48.31
Net farm income	Dollars	9,573	15,117	16,735	12,024	11,244	4,633	12,248
Percent of farms with			•			,-	.,	10,210
negative net farm income Net farm income	Percent	18.05	24.22	30.21	36.00	43.14	52.88	24.68
including contractors	Dollars	10,899	19,049	22,162	20,546	20,064	17,437	15,960
Percent of farms with	- ·						·	
negative NFI Estimated principal	Percent	18.14	24.12	29.80	34.71	42.24	51.70	24.45
repayment	Dollars	0	1,307	5,230	10,631	12,677	15,771	2,988
Cash income after	507.010	Ŭ	1,007	5,250	10,001	12,077	13,771	2,900
interest and principal								
are deducted	do.	4,738	8,892	7,060	-2,342	-1,922	-8,996	4,837
Percent of farms with	<b>_</b>						-	
negative cash income	Percent	47.99	50.56	59.01	64.80	66.42	72.32	53.37
Nonfarm income	Dollars	28,905	30,293	28,916	27,498	24,079	19,923	28,705
Estimated family							-	
living expenses Cash income after adding	do.	19,200	19,200	19,200	19,200	19,200	19,200	19,200
nonfarm income and deducting								
family living expenses	do.	14,442	19,984	16,776	5,956	2,957	-8,273	14,343
Percent of farms with		14,446	10,004	10,770	3,330	2,337	-0,273	14,343
negative income after								
principal and family living								
expenses are deducted	Percent	48.70	41.80	37.45	44.71	63.02	68.88	45.44
See footnotes at end of table.							~	
see rootholes at end of table.							Con	tinued

Annual to Art 1- 00 Combined from	durant and rate flaves		atmusture law 1 1000 Continued
Appendix table 33Complined tarm	income and cash-tiow s	statement by organizational	structure, Jan. 1, 1989Continued

		M.,	0.01		ot/asset ra		0	. 1 7
Partnership	Unit	No debt	0.01-0.10	0.11-0.40	0.41- 0.70	0.71- 1.0	Over 1.0	All farms
umber of farms	Number	44,567	19,235	25,735	9,903	2,208	1,919	103,567
ercent of farms	Percent	43.03	18.57	24.84	9.56	2.13	1.85	100.00
arm income:								
Livestock sales	Dollars	39,761	95,760	120,277	117,697	272,551	177,868	85,142
Crop sales	do.	50,248	63,358	88,884	103,639	94,622	180,518	70,748
Net change in CCC loans	do.	969	-2,868	-3,206	-1,762	-1,466	-15,348	-1,397
Government payments Other farm income	do. do.	6,855 2,238	13,358 7,363	19,662 8,607	23,855 13,176	17,665 16,144	29,583 22,504	13,522 6,490
Gross cash farm income	do.	100,071	176,970	234,224	256,605	399,515	395,125	174,506
Nonmoney income	do.	7,309	10,508	8,471	10,956	5,950	3,520	8,441
Value of inventory change	do.	-2,314	2,239	14,245	25,642	7,482	-50,461	4,636
Gross farm income	do.	105,066	189,718	256,940	293,203	412,948	348,184	187,584
Estimated contractor income	do.	1,386	49,356	11,542	10,173	8,503	4,185	13,863
Gross farm income		1,000					.,	
including contractors	do.	106,452	239,073	268,482	303,376	421,451	352,369	201,446
Operating expenses								
excluding interest	do.	67,183	129,279	171,263	198,608	390,630	289,678	128,163
Cash income before					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		, , , , , ,	,200
interest is deducted	do.	32,888	47,691	62,960	57,996	8,885	105,446	46,344
Percent of farms with		-	·					-
negative cash income	Percent	28.85	27.73	23.06	33.90	22.43	40.23	27.76
Interest expense	Dollars	876	4,916	18,077	31,533	36,583	41,550	10,347
Cash income after								
interest is deducted	do.	32,012	42,776	44,883	26,463	-27,698	63,896	35,997
Percent of farms with								
negative cash income	Percent	28.90	32.68	30.95	38.30	26.78	58.35	31.51
Total expenses								
including depreciation	Dollars	76,008	147,710	207,592	248,189	445,322	353,637	151,502
Contractor expenses	do.	4	13,241	1,891	1,546	1,330	0	3,107
Total expenses	<b>.</b>	76 010	160 061	200 402	249,735	446,652	353,637	154,609
including contractors Net cash farm income	do.	76,012	160,951	209,483	249,735	440,002	353,037	154,009
including contractors	do.	33,394	78,890	54,534	35,091	-20,525	68,081	46,752
Percent of farms with	uo.	30,334	10,000	34,304	55,051	20,525	00,001	40,752
negative NCFI	Percent	28.59	31.68	30.33	37.33	25.69	57.64	30.91
Net farm income	Dollars	29,058	42,008	49,348	45,013	-32,374	-5,453	36,081
Percent of farms with							•••	
negative net farm income	Percent	21.12	19.93	29.92	31.17	27.67	59.39	24.89
Net farm income		=						-
including contractors	Dollars	30,440	78,122	58,999	53,641	-25,201	-1,268	46,837
Percent of farms with								
negative NFI	Percent	20.81	19.72	29.27	29.38	27.15	58.68	24.37
Estimated principal								
repayment	Dollars	0	3,010	11,825	20,853	29,564	39,334	6,851
Cash income after								
interest and principal					<b>P A</b> • • •	F7		
are deducted	do.	32,012	39,766	33,058	5,610	-57,262	24,562	29,146
Percent of farms with	De	00 00	22.04	22 47	ED 00	E1 20	67 00	34.00
negative cash income	Percent	28.90	33.84	33.47	50.63	54.39	67.29	34.28
Nonfarm income	Dollars	34,445	44,677	23,273	21,793	35,875	23,172	32,181
Estimated family								
living expenses	do.	19,200	19,200	19,200	19,200	19,200	19,200	19,200
Cash income after adding								
nonfarm income and deducting								
family living expenses	do.	47,257	65,242	37,131	8,203	-40,587	28,533	42,127
Percent of farms with								
negative income after								
negative income after principal and family living expenses are deducted	Percent	27.13	32.41	26.85	51.23	39.78	40.92	30.87

Appendix table 33--Combined farm income and cash-flow statement by organizational structure, Jan. 1, 1989--Continued

				Del	bt/asset i	ratio		
		No	0.01-	0.11-	0.41-	0.71-	Over	A11
Family corporation	Unit	debt	0.10	0.40	0.70	1.0	1.0	farms
Number of farms	Number	11,641	8,309	10,625	3,538	767	956	35,837
Percent of farms	Percent	32.48	23.18	29.64	9.87	2.14	2.66	100.00
Farm income:								
Livestock sales	Dollars	96,750	137,176	204,012	236 380	1,017,304	100,150	171,510
Crop sales	do.	172,608	152,405	229,116	107,884		317,512	188,285
Net change in CCC loans	do.	-3,004	-1,821	-17,569	-348	•	-21,498	-7,269
Government payments	do.	10,822	15,156	25,730	26,663	10,336	17,007	17,965
Other farm income	do.	14,973	10,627	11,259	14,295		40,068	22,083
Gross cash farm income	do.	292,149	313,542	452,549		1,901,451	453,239	392,574
Nonmoney income	do.	10,140	8,140	10,705	9,258	7,648	1,974	9,485
Value of inventory change	do.	3,578	24,212	18,011	12,603	12,497	14,209	14,007
Gross farm income Estimated contractor income	do. do.	305,866 27,854	345,893 20,599	481,265 48,679	32,631	1,921,595 669,545	469,421	416,066
Gross farm income	ω.	27,054	20,555	40,079	32,031	009,343	28,666	46,579
including contractors	do.	333,720	366,492	529,944	439.367	2,591,140	498,087	462,645
				010,017	,	-,	100,007	102,010
Operating expenses								
excluding interest	do.	199,474	237,285	342,793	278,348	1,298,501	423,246	288,021
Cash income before								
interest is deducted	do.	92,675	76,257	109,756	106,527	602,949	29,993	104,553
Percent of farms with	<b>.</b> .							
negative cash income	Percent	21.91	24.58	20.98	17.06	35.63	60.44	23.10
Interest expense	Dollars	2,246	9,320	31,180	41,461	49,616	70,351	19,168
Cash income after interest is deducted	do.	90,429	66,936	78,576	65,066	EE2 222	40 259	05 205
Percent of farms with	00.	30,423	00,930	10,570	03,000	553,333	-40,358	85,385
negative cash income	Percent	22.11	38.95	37.76	45.20	35.84	69.52	34.49
Total expenses								01110
including depreciation	Dollars	220,905	280,000	411,993		1,403,973	512,076	337,352
Contractor expenses	do.	11,472	1,056	2,350	3,504	0	46	5,015
Total expenses								
including contractors	do.	232,377	281,056	414,343	355,995	1,403,973	512,121	342,368
Net cash farm income	-1-	100 011			~			
including contractors	do.	106,811	86,480	124,904	94,194	1,222,878	-11,738	126,948
Percent of farms with negative NCFI	Percent	21.96	38.30	36.91	43.97	35.50	59.56	22 65
Net farm income	Dollars	84,962	65,893	69,272	54,244	517,622	-42,655	33.65 78.714
Percent of farms with	bornars	04,002	00,000	00,072	34,244	517,022	-42,033	70,714
negative net farm income	Percent	20.58	25.15	28.72	44.18	36.49	59.34	27.76
Net farm income								2,1,0
including contractors	Dollars	101,343	85,436	115,601	83,371	1,187,167	-14,034	120,277
Percent of farms with								
negative NFI	Percent	19.63	24.19	28.25	41.38	36.16	58.45	26.78
Estimated principal	0.11	•						
repayment Cash income after	Dollars	0	4,156	19,796	24,485	56,256	63,061	12,137
interest and principal								
are deducted	do.	90,429	62,780	58,780	40,581	197 077	-103,419	73,248
Percent of farms with	uu.	30,423	02,700	30,700	40,501	457,077	-103,419	13,240
negative cash income	Percent	22.11	39.37	39.43	54.83	43.59	89.78	36.74
					01.00	101.00	00.70	50.74
Nonfarm income	Dollars	38,304	25,150	31,335	23,043	21,294	18,110	30,778
Estimated family					•	• • • •		
living expenses	do.	19,200	19,200	19,200	19,200	19,200	19,200	19,200
Cash income after adding								
nonfarm income and deducting								
family living expenses	do.	109,533	68,730	70,915	44,424	499,171	-104,508	84,826
Percent of farms with								
negative income after principal and family living								
expenses are deducted	Percent	21.61	20.83	36.49	49.89	44.93	80.78	30.71
	I GI UCIIL	21.01	20.03	30.43	43.03	44.33	00.70	30.71
See footnotes at end of table.							Co	ntinued
							001	

Appendix table 33--Combined farm income and cash-flow statement by organizational structure, Jan. 1, 1989--Continued

				De	bt/asset rat	io		
		No	0.01-	0.11-	0.41-	0.71-	Over	A11
Nonfamily corporation	Unit	debt	0.10	0.40	0.70	1.0	1.0	farms
Number of farms	Number	3,619	1,249	1,582	547	d	d	7,371
Percent of farms	Percent	49.09	16.94	21.45	7.42	d	d	100.00
Farm income:								
Livestock sales	Dollars	68,651	43,330	248,521	597,024	d	d	143,160
Crop sales Net change in CCC loans	do. do.	264,139 -216	470,556 -2,643	489,565 10,409	114,877	d	d	324,644
Government payments	do.	5,561	-2,043	9,030	-11,336 7,341	d d	d d	839 6,167
Other farm income	do.	22,696	347,217	49,763	44,468	d	d	85,220
Gross cash farm income	do.	360,831	863,847	807,288	752,373	ď	ď	560,030
Nonmoney income	do.	3,853	16,097	15,396	9,435	ď	ď	8,902
Value of inventory change	do.	11,348	20,513	42,121	83,068	ď	d	24,302
Gross farm income	do.	376,032	900,457	864,806	844,876	d	ď	593,234
Estimated contractor income	do.	542,896		401,587	138,276	d	d	369,241
Gross farm income							_	
including contractors	do.	918,928	903,839	1,266,393	983,152	d	d	962,475
Openeting superson								
Operating expenses	م <b>ا</b> م	270 112	457 770	CCD 404	445 000			
excluding interest	do.	279,113	457,776	660,484	445,298	d	d	394,507
Cash income before interest is deducted	do.	01 710	406 071	146 005	207 076		Ŀ	105 500
Percent of farms with	uo.	81,718	406,071	146,805	307,075	d	d	165,523
negative cash income	Percent	41.21	7.16	37.07	4.11	ب		00.30
Interest expense	Dollars	2,919	19,601	40,199		d	d	29.78
Cash income after	DUTIATS	2,919	19,001	40,199	36,933	d	d	18,661
interest is deducted	do.	78,799	386,470	106.606	270,142	d		140.000
Percent of farms with	uu.	10,133	300,470	100,000	270,142	a	d	146,862
negative cash income	Percent	41.29	7.16	37.45	19.29	ď	ď	35.06
Total expenses	. er bene	41.25	7.10	37.43	13.23	u	u	33.00
including depreciation	Dollars	301,309	521,489	775,238	549,772	ď	d	451,732
Contractor expenses	do.	94,287	485,641	111,693	0	d	d	155,061
Total expenses				111,000	Ũ	ų	u	155,001
including contractors	do.	395,596	1,007,130	886,932	549,772	d	d	606,793
Net cash farm income					0.012	ŭ	u	000,700
including contractors	do.	527,407	-95,790	396,499	408,417	d	ď	361,042
Percent of farms with						-		001,042
negative NCFI	Percent	41.05	8.63	36.29	19.29	ď	d	34.95
Net farm income	Dollars	74,723	378,968	89,567	295,103	d	d	141,502
Percent of farms with				-				
negative net farm income	Percent	34.73	7.24	47.32	20.86	d	d	31.42
Net farm income								
including contractors	Dollars	523,332	-103,291	379,461	433,379	d	d	355,682
Percent of farms with								
negative NFI	Percent	34.50	8.71	46.16	20.86	d	ď	31.31
Estimated principal								
repayment	Dollars	0	10,862	34,505	29,710	d	d	13,693
Cash income after								
interest and principal		70 700						
are deducted	do.	78,799	375,608	72,101	240,432	b	d	133,169
Percent of farms with negative cash income	Democrat	41 00	7 94	40 55				
negative cash income	Percent	41.29	7.34	42.55	23.82	d	d	36.56
Nonfarm income	Dollars	16,875	32,968	7,907	15,122	d	ير	17 000
Estimated family	Duriars	10,0/5	32,900	7,907	15,122	a	ď	17,886
living expenses	do.	19,200	19,200	19,200	19,200	d	d	10 200
Cash income after adding	uo.	10,200	10,200	13,200	19,200	U	a	19,200
nonfarm income and deducting								
family living expenses	do.	76,474	389,376	60,808	236,354	d	d	131,855
Percent of farms with		, ., .			2001004	u	u	131,033
negative income after								
principal and family living								
expenses are deducted	Percent	42.63	10.99	47.89	16.79	d	d	35.83
d = Data insufficient for disc	losure.							

d = Data insufficient for disclosure. Source: 1988 Farm Costs and Returns Survey, USDA.

Appendix table 34--Combined farm income and cash-flow statement by operator age, January 1, 1989

					<u>t/asset ra</u>			
24 waana an undan	11	No debt	0.01-0.10	0.11- 0.40	0.41-0.70	0.71-	Over 1.0	All farms
34 years or under	Unit	Dept	0.10	0.40	0.70	1.0	1.0	1 01 113
Number of farms	Number	45,464	24,183	70,745	39,244	16,805	6,158	202,600
Percent of farms	Percent	22.44	11.93	34.91	19.37	8.29	3.03	100.00
Farm income: Livestock sales	Dollars	21,760	40,776	42,417	35,464	33,021	40.889	35,413
Crop sales	do.	23,757	20,692	33,875	26,248	23,137	34,310	27,676
Net change in CCC loans	do.	206	-1,147	-527	-1,811	-705	1,023	-653
Government payments	do.	3,495	5,362	7,534	6,498	7,895	7,977	6,211
Other farm income	do.	2,949	2,796	3,884	3,571	6,359	6,657	3,773
Gross cash farm income	do.	52,166	68,478	87,183	69,970	69,707	90,857	72,420
Nonmoney income	do.	5,226	6,819	5,195	5,369 3,681	3,796 4,846	1,749 -3,614	5,208 4,379
Value of inventory change Gross farm income	do. do.	2,696 60,087	1,931 77,228	7,271 99,648	79,019	78,348	88,992	82,008
Estimated contractor income	do.	11,692	3,078	6,774	9,312	4,825	1,995	7,621
Gross farm income	uo.	11,092	3,0/0	0,774	3,512	4,023	1,335	7,021
including contractors	do.	71,779	80,307	106,422	88,331	83,173	90,987	89,629
Operating expenses								
excluding interest	do.	38,179	51,402	65,773	47,932	52,815	70,183	53,469
Cash income before		•	•	•			•	
interest is deducted	do.	13,986	17,076	21,410	22,038	16,892	20,673	18,951
Percent of farms with								
negative cash income	Percent	36.54	32.31	40.32	33.80	25.55	38.75	35.98
Interest expense	Dollars	865	2,643	6,129	8,317	9,001	8,262	5,259
Cash income after	л.	10 101	14 420	15 001	10 700	7 001	10 411	12 602
interest is deducted	do.	13,121	14,432	15,281	13,720	7,891	12,411	13,692
Percent of farms with negative cash income	Percent	37.23	38.93	45.20	45.20	44.70	42.70	42.55
Total expenses								
including depreciation	Dollars	42,497	62,700	80,734	63,453	68,456	84,313	65,744
Contractor expenses	do.	5,479	812	1,735	3,927	1,718	75	2,838
Total expenses	do.	47,977	63,512	82,469	67,380	70,174	84,388	68,582
including contractors Net cash farm income	ω.	47,577	03,512	02,403	07,300	70,174	04,000	00,002
including contractors	do.	19,333	16,698	20,319	19,106	10,997	14,332	18,475
Percent of farms with		10,000	10,000		10,100			
negative NCFI	Percent	36.80	38.93	44.98	43.80	44.28	42.59	42.06
Net farm income	Dollars	17,590	14,529	18,914	15,566	9,893	4,679	16,264
Percent of farms with								
negative net farm income	Percent	25.58	25.80	34.25	37.24	37.94	56.94	32.87
Net farm income	Dollars	22 002	16 705	22 052	20 051	12 000	6 500	21 047
including contractors Percent of farms with	Dollars	23,802	16,795	23,953	20,951	12,999	6,599	21,047
negative NFI	Percent	25.34	24.79	33.93	34.66	36.36	56.68	31.95
Estimated principal	reitent	23.04	24.75	33.33	54.00	50.50	30.00	51.55
repayment	Dollars	0	1,303	4,575	7,420	10,666	11,097	4,412
Cash income after	5071010	-	2,000	.,	,,			
interest and principal								
are deducted	do.	13,121	13,129	10,706	6,300	-2,775	1,314	9,280
Percent of farms with								
negative cash income	Percent	37.23	42.21	50.18	62.48	66.41	72.43	50.73
Nonfarm income	Dollars	25,369	34,876	20,099	26,645	17,871	18,352	24,075
Estimated family		•				-	· -	•
living expenses	do.	19,200	19,200	19,200	19,200	19,200	19,200	19,200
Cash income after adding								
nonfarm income and deducting		10 000	00 005	11 605	12 745	4 104	466	14 155
family living expenses	do.	19,290	28,805	11,605	13,745	-4,104	400	14,155
Percent of farms with negative income after								
principal and family living								
expenses are deducted	Percent	41.45	38.57	37.90	40.38	65.99	52.52	42.03
anpanaaa are aaaaaaaa								

Appendix table 34--Combined farm income and cash-flow statement by operator age, January 1, 1989--Continued

					<u>t/asset ra</u>			
35-44 years	Unit	No debt	0.01-0.10	0.11-0.40	0.41-0.70	0.71- 1.0	0ver 1.0	All farms
	01110		0.10	0.40	0.70	1.0	1.0	1 41 113
Number of farms	Number	102,885	52,983	107,600	50,159	14,735	10,100	338,462
Percent of farms	Percent	30.39	15.65	31.79	14.81	4.35	2.98	100.00
Farm income:								
Livestock sales	Dollars	16,901	35,180	50,607	56,580	96,032	31,271	40,232
Crop sales Net change in CCC loans	do. do.	25,668	31,929 -997	40,153	35,580	47,724	66,576	34,903
Government payments	do.	157 2,269	6,142	-1,869 8,166	-2,993 8,827	-1,224 8,779	-4,048 9,412	-1,320
Other farm income	do.	2,220	11,808	4,243	6,226	15,343	9,412 6,954	6,218 5,670
Gross cash farm income	do.	47,214	84,062	101,299	104,220	166,654	110,164	85,703
Nonmoney income	do.	6,586	7,647	7,676	7,948	6,309	2,174	7,157
Value of inventory change	do.	-1,088	4,440	7,274	6,956	1,306	-32	3,763
Gross farm income	do.	52,712	96,149	116,250	119,123	174,269	112,306	96,623
Estimated contractor income	do.	22,555	9,283	8,810	21,334	29,172	7,263	15,758
Gross farm income				• • • •			,,	10,000
including contractors	do.	75,267	105,432	125,060	140,457	203,440	119,569	112,382
Operating expenses								
excluding interest Cash income before	do.	34,880	55,024	74,333	78,118	149,991	85,374	63,502
interest is deducted Percent of farms with	do.	12,334	29,038	26,967	26,102	16,662	24,790	22,201
negative cash income	Percent	47.26	42.12	26 51	40.02	25 57	40.70	
Interest expense	Dollars	47.26 719	42.12	36.51	40.93	35.57	42.79	41.46
Cash income after	DUTIALS	/19	3,112	8,437	14,015	15,121	11,396	6,464
interest is deducted	do.	11,615	25,926	18,529	12,086	1,541	13,394	15,738
Percent of farms with negative cash income	Percent	48.25	48.01	48.22	53.73	52.28	52.48	49.32
Total expenses								
including depreciation	Dollars	39,570	66,327	92,279	101,211	172,997	102,383	77,333
Contractor expenses Total expenses	do.	3,894	17,859	2,561	7,775	7,421	3,457	6,372
including contractors Net cash farm income	do.	43,464	84,185	94,839	108,986	180,418	105,840	83,705
including contractors	do.	30,275	17,350	24,779	25,645	23,291	17,199	25,124
Percent of farms with	<b>.</b> .							
negative NCFI	Percent	48.34	48.43	47.84	52.36	51.10	52.31	49.03
Net farm income Percent of farms with	Dollars	13,142	29,823	23,971	17,912	1,272	9,924	19,290
negative net farm income	Percent	23.29	25.33	26.10	38.03	44.70	48.62	28.37
Net farm income including contractors	Dollars	31,802	21,247	30,220	31,471	23,022	13,729	28,676
Percent of farms with negative NFI								
Estimated principal	Percent	23.25	25.94	25.37	37.23	43.68	46.04	27.99
repayment Cash income after	Dollars	0	1,649	6,173	11,530	14,950	14,913	5,026
interest and principal								
are deducted	do.	11,615	24,277	12,356	556	<sub>1</sub> 13,409	-1,519	10,712
Percent of farms with				,		1,201,100	1,010	10,712
negative cash income	Percent	48.25	50.36	60.40	65.06	60.69	62.04	55.89
Nonfarm income	Dollars	29,073	27,438	32,308	29,748	26,074	12,568	29,322
Estimated family		10.000	10.000					
living expenses Cash income after adding	do.	19,200	19,200	19,200	19,200	19,200	19,200	19,200
nonfarm income and deducting								
family living expenses Percent of farms with	do.	21,488	32,515	25,464	11,104	-6,535	-8,151	20,835
negative income after								
principal and family living								
expenses are deducted	Percent	30.04	33.31	33.85	46.45	64.95	63.38	36.71
Con Frankrahan at an 1 C ( 1 C								
See footnotes at end of table.							Cont	inued

Appendix table 34Combined farm	income and cash-flow statement by	by operator age, January 1, 1989Continued

				Del	bt/asset r	atio		
		No	0.01-	0.11-	0.41-	0.71-	Over	A11
45-54 years	Unit	debt	0.10	0.40	0.70	1.0	1.0	farms
Number of farms	Number	154,064	70,558	116,685	41,100	13,363	5,537	401,306
Percent of farms	Percent	38.39	17.58	29.07	10.24	3.32	1.37	100.00
Farm income:								
Livestock sales	Dollars	12,657	36,258	42,929	65,953	42,573	77,949	32,964
Crop sales	do.	15,888	30,967	35,911	38,388	50,373 -3,938	55,313	28,358
Net change in CCC loans Government payments	do. do.	-67 2,258	-570 5,240	-2,595 7,916	-673 12,071	-3,930	-1,364 14,552	-1,099 5,808
Other farm income	do.	2,568	3,357	4,546	6,783	8,670	6,579	3,972
Gross cash farm income	do.	33,304	75,252	88,707	122,523	106,123	153,028	70.002
Nonmoney income	do.	7,866	8,758	8,896	8,439	7,023	5,647	8,322
Value of inventory change	do.	1,271	2,215	4,916	7,615	-2,256	-826	3,000
Gross farm income	do.	42,442	86,225	102,519	138,576	110,890	157,849	81,325
Estimated contractor income Gross farm income	do.	3,032	9,094	14,956	11,013	24,700	33,897	9,529
including contractors	do.	45,473	95,319	117,475	149,589	135,590	191,746	90,855
Operating expenses	do.	25 624	56 070	66 044	02 262	73,518	126,390	E2 600
excluding interest Cash income before		25,624	56,970	66,044	92,262			52,698
interest is deducted Percent of farms with	do.	7,680	18,282	22,663	30,260	32,605	26,638	17,305
negative cash income	Percent	51.93	41.27	34.85	35.40	47.32	41.44	43.10
Interest expense	Dollars	820	3,165	9,402	17,382	15,689	27,596	6,289
Cash income after interest is deducted	do.	6,860	15,117	13,261	12,878	16,915	-959	11,016
Percent of farms with negative cash income	Percent	54.02	42.99	50.07	45.54	59.35	63.31	50.37
Total expenses including depreciation	Dollars	29,657	67,446	84,386	119,227	98,044	163,103	65,506
Contractor expenses Total expenses	do.	997	2,281	3,789	6,249	19,467	7,181	3,273
including contractors Net cash farm income	do.	30,654	69,727	88,175	125,476	117,511	170,285	68,779
including contractors Percent of farms with	do.	8,895	21,930	24,427	17,643	22,148	25,757	17,273
negative NCFI	Percent	54.33	42.87	47.65	45.46	59.20	62.80	49.74
Net farm income	Dollars	12,784	18,779	18,133	19,349	12,846	-5,254	15,819
Percent of farms with negative net farm income	Percent	19.35	24.21	30.12	30.30	44.91	53.59	25.78
Net farm income including contractors	Dollars	14,819	25,592	29,300	24,113	18,079	21.462	22,076
Percent of farms with negative NFI	Percent	19.58	24.25	29.24	29.32	44.73	53.09	25.51
Estimated principal	Dollars	13.50	1,628	6,529	14,005	14,843	28,106	4,501
repayment Cash income after	DOTIATS	U	1,020	0,529	14,005	14,043	20,100	4,501
interest and principal are deducted	do.	6,860	13,489	6,732	-1,127	2,072	-29,065	6,515
Percent of farms with negative cash income	Percent	54.02	48.83	58.57	62.05	67.18	82.69	56.09
Nonfarm income	Dollars	38,535	33,868	32,104	30,756	35,029	36,574	34,904
Estimated family living expenses Cash income after adding	do.	19,200	19,200	19,200	19,200	19,200	19,200	19,200
nonfarm income and deducting family living expenses Percent of farms with negative income after	do.	26,195	28,157	19,636	10,429	17,901	-11,692	22,219
principal and family living expenses are deducted	Percent	28.98	32.81	30.70	37.93	49.43	72.42	32.35
See footnotes at end of table.							Co	nt inued

Appendix table 34Combined farm income and cash-flow statement by operator age, January 1, 1989Con
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		Na	0.01		bt/asset r		0	
55-64 years	Unit	No debt	0.01-0.10	0.11- 0.40	0.41-	0.71- 1.0	Over 1.0	All farms
lumber of farms	Number	225,626	76,498	80,292	24,147	4,834	4,720	416,117
ercent of farms	Percent	54.22	18.38	19.29	5.80	1.16	1.13	100.00
arm income:								
Livestock sales	Dollars	15,372	39,667	50,934	71,071	65,145	57,029	30,983
Crop sales Net change in CCC loans	do. do.	15,436 -354	28,448 ~927	38,500 -2,086	41,570	66,031	44,142	24,708
Government payments	do. do.	2,588	6,066	9,349	-4,903 14,176	-4,417 16,620	-3,611 10,463	-1,142 5,456
Other farm income	do.	1,360	4,248	5,473	7,566	69,273	19,485	4,039
Gross cash farm income	do.	34,402	77.502	102,170	129,480	212,652	127,508	64,046
Nonmoney income	do.	7,304	9,108	7,837	7,761	6,649	2,717	7,705
Value of inventory change	do.	807	2,814	1,809	7,261	6,032	-12,480	1,654
Gross farm income	do.	42,513	89,424	111,816	144,502	225,333	117,745	73,405
Estimated contractor income	do.	2,454	13,594	16,546	39,102	105,317	36,785	10,932
Gross farm income								
including contractors	do.	44,967	103,018	128,362	183,604	330,650	154,530	84,337
Operating expenses excluding interest	da	25,633	50 001	70 700	100 500	101 050	00 400	
Cash income before	do.	25,033	59,921	70,728	100,560	121,053	99,422	46,931
interest is deducted	do.	8,769	17,581	31,442	28,920	91,599	28,086	17,115
Percent of farms with negative cash income	Percent	45.14	40.67	31.52	35.78	31.90	E1 02	41 07
Interest expense	Dollars	253	3,840	10,736	20,841	26,145	51.82 23,949	41.07 4,700
Cash income after		200	0,010	10,700	20,041	20,145	20,040	4,700
interest is deducted	do.	8,516	13,740	20,706	8,079	65,454	4,137	12,415
Percent of farms with		- • - ·						
negative cash income Total expenses	Percent	45.45	48.55	45.78	53.01	52.74	63.50	46.81
including depreciation	Dollars	29,728	70,922	90,789	132,941	157,837	132,278	57,724
Contractor expenses	do.	1,136	3,762	5,478	22,320	969	132,270	3,671
Total expenses							Ū	0,011
including contractors	do.	30,864	74,685	96,267	155,261	158,807	132,285	61,395
Net cash farm income	مام	0 924	00 570		04 001			
including contractors Percent of farms with	do.	9,834	23,573	31,774	24,861	169,802	40,915	19,676
negative NCFI	Percent	45.59	48.50	45.49	51.56	52.74	63.39	46.74
Net farm income	Dollars	12,785	18,501	21,027	11,561	67,495	-14,533	15,681
Percent of farms with	2011210	12,700	10,001	21,027	11,001	07,400	14,000	15,001
negative net farm income	Percent	18.54	22.88	31.44	35.26	37.45	69.26	23.59
Net farm income								
including contractors	Dollars	14,103	28,334	32,095	28,343	171,843	22,246	22,942
Percent of farms with		10 57	~~ ~~					
negative NFI	Percent	18.57	22.72	31.68	33.81	37.45	69.14	23.54
Estimated principal repayment	Dollars	0	1,679	6 766	14 424	22 047	27 110	2
Cash income after	Donars	U	1,0/9	6,765	14,434	23,847	27,118	3,036
interest and principal								
are deducted	do.	8,516	12,061	13,941	-6,355	41,607	-22,981	9,379
Percent of farms with					.,	11,000	22,001	0,010
negative cash income	Percent	45.45	50.60	53.38	66.25	73.06	80.56	49.85
Nonfarm income	Dollars	36,940	37,153	24,782	18,613	16,956	20,535	33,152
Estimated family							20,000	00,102
living expenses	do.	19,200	19,200	19,200	19,200	19,200	19,200	19,200
Cash income after adding								
nonfarm income and deducting								
family living expenses	do.	26,256	30,014	19,523	-6,943	39,362	-21,646	23,330
Percent of farms with negative income after								
principal and family living								
principal and family living expenses are deducted	Percent	45.54	40.82	38.97	57.19	66.83	87.06	44.80

Appendix table 34--Combined farm income and cash-flow statement by operator age, January 1, 1989--Continued

				D	ebt/asset ra	tio		
SE verse of ever	Unit	No debt	0.01-0.10	0.11-0.40	0.41-0.70	0.71-	0ver 1.0	All farms
65 years or over	Unit		0.10	0.40	0.70	1.0	1.0	1 11115
Number of farms	Number	316,419	42,791	37,473	6,987	d	d	405,602
Percent of farms	Percent	78.01	10.55	9.23	1.72	d	ď	100.00
Farm income:								
Livestock sales	Dollars	8,859	26,549	50,901	32,299	d	d	16,178
Crop sales	do.	8,214	18,103	33,010	38,160	d	d	12,197
Net change in CCC loans Government payments	do. do.	265 1,719	-823 3,686	-1,517 6,542	-2,648 13,185	d d	d d	-69 2,603
Other farm income	do.	1,522	4,202	5,090	4,785	d	d	2,204
Gross cash farm income	do.	20,579	51,718	94,025	85,781	d	ď	33,114
Nonmoney income	do.	6,567	8,886	7,276	6,228	q	d	6,862
Value of inventory change	do.	-236	2,943	5,916	587	d	d	703
Gross farm income Estimated contractor income	do. do.	26,910 585	63,547 9,795	107,218 1,714	92,596 4,301	d d	d d	40,679 1,727
Gross farm income	ųu.	202	3,733	1,/14	4,301	ů	u	1,727
including contractors	do.	27,494	73,342	108,932	96,897	d	d	42,407
Operating expenses								
excluding interest	do.	15,008	38,967	72,619	66,929	d	d	24,561
Cash income before			40 354					
interest is deducted	do.	5,571	12,751	21,406	18,852	d	d	8,553
Percent of farms with negative cash income	Percent	44.33	37.38	39.42	34.78	d	d	42.89
Interest expense	Dollars	44.33	2,194	8,502	19,586	d	u d	42.89
Cash income after	bornara	140	2,104	0,302	13,500	ŭ	u	1,004
interest is deducted	do.	5,431	10,557	12,903	-734	d	d	7,019
Percent of farms with								
negative cash income Total expenses	Percent	44.68	42.92	52.66	47.32	d	d	45.24
including depreciation	Dollars	17,244	45,889	88,579	93,932	d	d	29,076
Contractor expenses	do.	262	1,430	1,379	0	d	d	483
Total expenses								
including contractors	do.	17,506	47,319	89,958	93,932	d	d	29,559
Net cash farm income including contractors	do.	5,754	18,921	13,239	3,566	d	d	8,263
Percent of farms with		3,734	10,521	10,200	3,500	ŭ	u	0,203
negative NCFI	Percent	44.71	41.74	52.53	46.94	d	d	45.09
Net farm income	Dollars	9,666	17,659	18,638	-1,335	d	d	11,603
Percent of farms with	_							
negative net farm income	Percent	15.11	22.28	32.29	46.65	d	d	18.10
Net farm income including contractors	Dollars	9,989	26,023	18,973	2,965	ď	d	12 947
Percent of farms with	Duitais	3,303	20,023	10,973	2,905	u	u	12,847
negative NFI	Percent	15.17	21.51	32.42	46.53	d	d	18.08
Estimated principal	0.11		1 000					
repayment Cash income after	Dollars	0	1,292	6,347	12,220	d	d	1,015
interest and principal								
are deducted	do.	5,431	9,265	6,556	-12,934	d	d	6,004
Percent of farms with			-,	-,		-	-	0,001
negative cash income	Percent	44.68	47.26	61.18	58.83	ď	đ	46.88
Nonfarm income	Dollars	19,877	18,575	30,629	16,357	ď	ď	20,633
Estimated family				• • • • • •				
living expenses	do.	19,200	19,200	19,200	19,200	d	d	19,200
Cash income after adding								
nonfarm income and deducting family living expenses	do.	6,108	8,641	17,985	-15,777	d	لہ	7 807
Percent of farms with	uu.	0,100	0,041	11,300	-13,///	a	d	7,437
negative income after								
principal and family living								
expenses are deducted	Percent	63.64	61.46	57.66	63.01	d	d	62.90
d = Data insufficient for disc	losure.							

d = Data insufficient for disclosure. Source: 1988 Farm Costs and Returns Survey, USDA.

## **Appendix VIII--Farm Operator Balance Sheets**

Appendix tables 35-42 provide detailed information about the capital structure of farm businesses. Assets and debt as of January 1, 1989, are presented in detail for various classifications of farms such as economic size, production specialty, region, land tenure, occupational specialty, organizational structure, and farm operator age.

No debt	0.01-	0.11-	<u>bt/asset n</u> 0.41-			
dept				0.71-	0ver 1.0	All farms
	0.10	0.40	0.70	1.0	1.0	I d Mis
			Number			
844,458	267,013	412,795	161,637	50,645	27,540	1,764,088
			Percent			
47.86	15.13	23.39	9.16	2.87	1.56	100.00
		Do	llars per 1	farm		
317,977	512,615	390,500	317,029	239,480	158,331	359,575
	344,750	244,226	200,466	147,333	77,092	236,469
24,583	57,684	53,429		39,365		39,140
						27,219
4,424		15,121			5,472	9,469
829	2,992	2,796	2,756	2,288	1,230	1,841
35,076	39,796	31,625	13,713	7,810	10,655	31,861
0	20,863	87,476	166,345	192,559	245,650	48,232
0	6,469	33,056	70,807	86,202	122,394	19,588
0	9,849	36,220	65,935	65,417	87,251	19,248
0	4,545	18,199	29,603	40,941	36,005	9,396
0	3,698	9,257	13,763	17,986	18,261	4,788
0	9,110	28,568	49,922	54,578	90,566	15,619
0	8,055	49,651	102,660	119,996	136,824	27,825
521	1,731	3,422	5,740	4,031	6,277	2,052
317,977	491,752	303,024	150,684	46,921	-87,319	311,343
			<u>Ratio</u>			
0	0.04	0.22	0.52	0.80	1.55	0.13
		•	Percent			
0	6.54	42.43	31.60	11.46	7.95	100.00
12 33	21 57	25 11	8 07	1 01	69	100.00
	47.86 317.977 215.875 24.583 16.237 4.424 829 35.076 0 0 0 0 0 0 0 0 0 0 0 0 0	47.86       15.13         317,977       512,615         215,875       344,750         24,583       57,684         16,237       35,722         4,424       15,753         829       2,992         35,076       39,796         0       20,863         0       6,469         0       9,849         0       4,545         0       3,698         0       9,110         0       8,055         521       1,731         317,977       491,752         0       0.04         0       6.54	$\begin{array}{c cccccc} 47.86 & 15.13 & 23.39 \\ & & & & & & \\ \hline & & & & & \\ \hline & & & &$	$\begin{array}{c cccc} & \underline{Percent} \\ 47.86 & 15.13 & 23.39 & 9.16 \\ \hline \\ & \underline{Dollars \ per f} \\ 317,977 & 512,615 & 390,500 & 317,029 \\ 215,875 & 344,750 & 244,226 & 200,466 \\ 24,583 & 57,684 & 53,429 & 49,278 \\ 16,237 & 35,722 & 40,198 & 35,594 \\ 4,424 & 15,753 & 15,121 & 12,243 \\ 829 & 2,992 & 2,796 & 2,756 \\ 35,076 & 39,796 & 31,625 & 13,713 \\ 0 & 20,863 & 87,476 & 166,345 \\ 0 & 6,469 & 33,056 & 70,807 \\ 0 & 9,849 & 36,220 & 65,935 \\ 0 & 4,545 & 18,199 & 29,603 \\ \end{array}$	Percent           47.86         15.13         23.39         9.16         2.87           Dollars per farm           317.977         512.615         390.500         317.029         239.480           215.875         344.750         244.226         200.466         147.333           24.583         57.684         53.429         49.278         39.365           16.237         35.722         40.198         35.594         34.900           4.424         15.753         15.121         12.243         7.726           829         2.992         2.796         2.756         2.288           35,076         39.796         31.625         13.713         7.810           0         20.863         87.476         166.345         192.559           0         6.469         33.056         70.807         86.202           0         9.849         36.220         65.935         65.417           0         3.698         9.257         13.763         17.986           0         9.110         28.568         49.922         54.578           0         9.055         49.651         102.660         119.996           521 <t< td=""><td>Percent           47.86         15.13         23.39         9.16         2.87         1.56           Dollars per farm           317.977         512.615         390,500         317,029         239,480         158,331           215.875         344,750         244,226         200,466         147,333         77,092           24,583         57,684         53,429         49,278         39,365         31,612           16,237         35,722         40,198         35,594         34,790         23,888           4,424         15,753         15,121         12,243         7,726         5,472           829         2,992         2,796         2,756         2,288         1,230           35,076         39,796         31,625         13,713         7,810         10,655           0         20,863         87,476         166,345         192,559         245,650           0         9,849         36,220         65,935         65,417         87,251           0         4,545         18,199         29,603         40,941         36,005           0         9,110         28,568         49,922         54,578         90,566</td></t<>	Percent           47.86         15.13         23.39         9.16         2.87         1.56           Dollars per farm           317.977         512.615         390,500         317,029         239,480         158,331           215.875         344,750         244,226         200,466         147,333         77,092           24,583         57,684         53,429         49,278         39,365         31,612           16,237         35,722         40,198         35,594         34,790         23,888           4,424         15,753         15,121         12,243         7,726         5,472           829         2,992         2,796         2,756         2,288         1,230           35,076         39,796         31,625         13,713         7,810         10,655           0         20,863         87,476         166,345         192,559         245,650           0         9,849         36,220         65,935         65,417         87,251           0         4,545         18,199         29,603         40,941         36,005           0         9,110         28,568         49,922         54,578         90,566

Appendix table 35--Farm operator balance sheet for all farms, January 1, 1989

 $\underline{1}/$  Outstanding CCC crop loans were excluded from both assets and debt. Source: 1988 Farm Costs and Returns Survey, USDA.

			1	Debt/asset	ratio		
<b>A</b>	No	0.01-	0.11-	0.41-	0.71-	Over	A11
\$500,000 or over	debt	0.10	0.40	0.70	1.0	1.0	farms
				Number			
Number of farms	6,389	4,817	14,012	6,036	2,095	1,325	34,674
				Percent			
Percentage of farms	18.42	13.89	40.41	17.40	6.04	3.82	100.00
			De	ollars per	farm		
Farm assets Land and buildings Farm equipment Livestock inventory Crop inventory Purchased inputs Other assets	3,067,102 1,714,058 204,916 285,859 129,105 21,494 229,255	2,031,511 866,573 360,497 371,419 60,413	1,212,487 233,802 280,585 91,114 25,744	1,584,271 924,655 202,992 259,772 82,559 27,221 79,946	1,120,571 543,714 168,510 291,270 53,793 28,170 34,558		285,044 130,694 29,671
Farm operator debt	0	156,332	475,609	810,548	885,270	1,251,699	456,332
By lender: Farm Credit System Commercial bank Other	0 0 0	71,701	172,437	352,617 290,398 167,532	271,197 455,445 158,628	243,098 715,614 292,987	168,774 185,057 102,501
By original term of loan: Less than 1 year 1-10 years More than 10 years	0 0 0		132,970	111,639 263,204 435,704	192,841 217,492 474,936	144,001 766,341 341,358	75,391 152,473 228,468
Commodity Credit Corporation crop loans <u>1</u> /	7,829	10,101	25,001	34,797	22,706	19,507	21,124
Net worth	3,067,102	4,268,186	1,567,238	773,723	235,301	-502,374	1,921,117
				<u>Ratio</u>			
Debt/asset ratio	0	0.04	0.23	0.51	0.79	1.67	0.19
Demonstrate of debt by				Percent			
Percentage of debt by debt/asset category	0	4.75	42.11	30.92	11.71	10.48	100.00
Percentage of assets by debt/asset category	23.77	25.85	34.72	11.60	2.84	1.20	100.00
See footnotes at end of tabl	e.					Co	ont inued

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			De	ebt/asset r	atio		
	No	0.01-	0.11-	0.41-	0.71-	Over	- A11
\$250,000-\$499,999	debt	0.10	0.40	0.70	1.0	1.0	farms
3230,000-3435,335		0.10					
				Number			
Number of farms	14.598	12,486	26,671	11,796	2,939	1,726	70,216
		•		Percent			
Percentage of farms	20.78	17.78	37.98	16.79	4.18	2.45	100.00
			Do	llars per 1	farm		
Frum scarts	1 602 116	1 107 419	923,770	686,062	581,253	346 194	1,045,194
Farm assets		1,197,418	522,255	411,279	376,021	143,741	559,846
Land and buildings	661,387	762,584	156.919	124.128	103.931	67,468	
Farm equipment	159,768	145,601	· · · · · · · · · · · · · · · · · · ·	82,439	64,505	46,241	96,384
Livestock inventory	98,206	101,405	105,961	28,302	•	24,592	
Crop inventory	30,485	52,928 13.691	54,678 10,981	6.203	14,015 3,842	2,301	
Purchased inputs	7,941		•			•	•
Other assets	129,149	76,837	70,686	31,123	18,938	40,749	74,386
Farm operator debt	0	53,763	214,171	356,735	469,026	511,402	183,046
By lender:							
Farm Credit System	0	21,491	85,839	169,227	222,840	342,720	82,610
Commercial bank	ŏ	17,700	76,920	109,959	165,196	126,916	-
Other	Õ	14,572	51,412	77,548	80,991	41,767	
Dy animinal term of learn							
By original term of loan:	0	10 571	20 100	43,400	52,943	35,182	20,245
Less than 1 year	0	12,571	20,108				
1-10 years	0	21,919	75,597	111,202	99,137	185,613 290,607	
More than 10 years	U	19,273	118,466	202,132	316,947	290,007	102,754
Commodity Credit Corporation							
crop loans <u>1</u> /	13,310	10,696	12,734	23,951	30,642	57,226	16,219
Net worth	1,603,115	1,143,655	709,599	329,327	112,227	-165,218	862,148
				<u>Ratio</u>			
Debt/asset ratio	0	0.04	0.23	0.52	0.81	1.48	0.18
				<u>Percent</u>			
Percentage of debt by debt/asset category	0	5.22	44.44	32.74	10.72	6.86	100.00
Percentage of assets by debt/asset category	31.88	20.37	33.57	11.02	2.32	.81	100.00
See footnotes at end of tabl	e.					C	ontinued

			D	ebt/asset	ratio		
	No	0.01-	0.11-	0.41-	0.71-	Over	A11
\$100,000-\$249,999	debt	0.10	0.40	0.70	1.0	1.0	farms
				Number			
Number of forms	40.400						
Number of farms	40,426	37,025	79,816	34,685	8,790	5,720	206,462
				<u>Percent</u>			
Percentage of farms	19.58	17.93	38.65	16.79	4.25	2.77	100.00
			Do	llars per	farm		
Farm assets	699,751	945,037	516,777	401,130	342,994	209,291	594,060
Land and buildings	424,620	676,461	297,349	228,675	186,915	112,520	368,897
Farm equipment	81,576	103,791	88,121	80,441	68,546	35,309	86,063
Livestock inventory	51,807	61,921	59,997	49,879	51,036	27,573	55,759
Crop inventory	25,350	28,309	27,622	21,925	15,550	8,116	25,289
Purchased inputs	3,936	4,949	3,720	3,601	2,425	1,027	3,833
Other assets	75,872	64,823	37,292	15,624	18,119	14,011	44,682
Farm operator debt	0	37,738	118,330	215,118	280,802	281,176	108,396
By lender:							
Farm Credit System	0	12,572	49,045	106.631	159,562	178,535	50,868
Commercial bank	0	15,549	44,771	74,567	71.156	69,576	37,580
Other	0	9,617	24,514	33,921	50,084	33,065	19,948
By original term of loan:							
Less than 1 year	0	8,474	14,164	16,264	17,547	16,114	10,921
1-10 years	0	14,301	40,135	70,900	94,187	71,878	35,993
More than 10 years	0	14,963	64,030	127,955	169,068	193,184	61,482
Commodity Credit Corporation							
crop loans <u>1</u> /	2,599	6,099	6,682	10,301	4,556	4,691	6,240
Net worth	699,751	907,299	398,447	186,012	62,193	-71,885	485,663
				<u>Ratio</u>			
Debt/asset ratio	0	0.04	0.23	0.54	0.82	1.34	0.18
				Percent			
Percentage of debt by debt/asset category	0	6.24	42.20	33.33	11.02	7.18	100.00
	-	5.27		00.00	11.02	/.10	100.00
Percentage of assets by debt/asset category	23.06	28.52	33.62	11.34	2.45	.97	100.00
See footnotes at end of table						Cor	ntinued

	H.,	0.01		ebt/asset 1			
\$40,000-\$99,999	No debt	0.01-0.10	0.11-0.40	0.41-0.70	0.71- 1.0	0ver 1.0	All farms
44,000 433,333	<u>uent</u>	0.10	0.40	<u> </u>		1.0	1 0/ 115
				Number			
Number of farms	74,680	47,489	76,566	32,084	11,112	5,796	247,727
				<u>Percent</u>			
Percentage of farms	30.14	19.16	30.90	12.95	4.48	2.33	100.00
			Do	llars per i	farm		
Farm assets	484,575	473,835	347,851	257,156	194,511	129,300	389,481
Land and buildings	302,303	339,575	223,431	160,651	122,830	66,485	253,157
Farm equipment	53,290	52,004	49,871	43,384	32,151	31,700	49,250
Livestock inventory	31,265	45,178	33,559	25,874	25,522	14,435	33,292
Crop inventory	10,634	9,462	11,148	9,932	7,542	4,325	10,191
Purchased inputs	1,479	1,882	1,789	1,729	1,639	675	1,673
Other assets	51,548	24,244	24,666	12,132	4,487	3,716	29,670
Farm operator debt	0	22,480	75,268	135,726	156,902	206,885	57,030
By lender:							
Farm Credit System	0	8,431	28,267	68,305	93,180	140,689	26,671
Commercial bank	ō	10,140	28,522	48,045	34,084	45,341	19,571
Other	Õ	3,910	18,479	19,376	29,637	20,854	10,788
By original term of loan:							
Less than 1 year	0	4,326	9,064	11.575	7,388	9,969	5,694
1-10 years	ō	8,086	26,807	42,382	50,082	55,420	18,868
More than 10 years	Ō	10,067	39,398	81,769	99,432	141,496	32,468
Commodity Credit Corporation							
crop loans 1/	694	841	1,765	2,076	2,317	2,643	1,351
Net worth	484,575	451,355	272,583	121,430	37,609	-77,585	332,451
				<u>Ratio</u>			
Debt/asset ratio	0	0.05	0.22	0.53	0.81	1.60	0.15
				Percent			
Percentage of debt by debt/asset category	0	7.55	40.79	30.82	12.34	8.48	100.00
Percentage of assets by debt/asset category	37.50	23.32	27.60	8.55	2.24	.77	100.00
See footnotes at end of table.						•	ntinued

See footnotes at end of table.

				bt/asset			
\$20,000-\$39,999	No debt	0.01- 0.10	0.11- 0.40	0.41-	0.71-	0ver 1.0	All farms
				Number			
Number of farms	86,416	34,587	45,613	14,395	7,151	5,422	193,584
				<u>Percent</u>			
Percentage of farms	44.64	17.86	23.56	7.43	3.69	2.80	100.00
			Do	llars per t	farm		
Farm assets Land and buildings Farm equipment Livestock inventory Crop inventory Purchased inputs Other assets	349,207 239,687 28,888 17,534 3,599 627 54,596	405,146 285,910 34,628 26,568 4,056 814 29,964	249.611 176,772 27,304 15,197 4,954 658 21,724	197,307 131,431 24,892 22,307 2,547 917 10,605	132,699 80,257 28,897 17,413 764 181 5,187	73,574 32,940 18,131 15,833 958 568 4,693	308,721 213,392 28,942 18,900 3,743 671 35,956
Farm operator debt	04,550	16,309	54,234	95,837	105,305	131,292	30,386
By lender: Farm Credit System Commercial bank Other By original term of loan:	0 0 0	5,325 9,469 1,514	20,467 25,654 8,112	44,493 35,854 15,490	52,955 31,906 20,444	48,373 74,221 8,697	12,394 13,660 4,333
Less than 1 year 1-10 years More than 10 years	0 0 0	1,519 9,338 5,452	3,371 20,932 29,931	4,092 19,148 72,597	12,670 24,315 68,320	14,785 37,155 79,351	2,252 9,963 18,171
Commodity Credit Corporation crop loans <u>1</u> /	371	265	752	557	104	1,119	467
Net worth	349,207	388,838	195,377	101,470	27,394	-57,718	278,335
				<u>Ratio</u>			
Debt/asset ratio	0	0.04	0.22	0.49	0.79	1.78	0.10
Percentage of debt by debt/asset category	0	9.58	42.05	<u>Percent</u> 23.45	12.80	12.10	100.00
Percentage of assets by debt/asset category	50.49	23.44	19.05	4.75	1.58	.66	100.00

See footnotes at end of table.

	N-	A 01		ebt/asset			
\$10,000-\$19,999	No	0.01-	0.11-	0.41-	0.71-	0ver	A11
310,000-319,999	debt	0.10	0.40	0,70	1.0	1.0	farms
				Number			
Number of farms	111,622	34,641	44,685	12,160	4,603	2,056	209,765
				Percent			
Percentage of farms	53.21	16.51	21.30	5.79	2.19	0.97	100.00
			Do	llars per t	farm		
Farm assets	281,179	278,786	177,002	148,788	120 672	76 704	345 900
Land and buildings	193,018	199,538			139,673	76,784	245,809
·			129,130	100,109	104,520	43,577	171,693
Farm equipment	22,496	17,529	17,500	17,223	15,425	13,748	20,065
Livestock inventory	15,318	13,458	14,996	10,065	15,126	3,778	14,520
Crop inventory	1,175	1,196	2,970	1,369	2,267	381	1,588
Purchased inputs	431	450	367	222	421	162	406
Other assets	41,047	45,675	11,875	4,326	1,914	2,014	32,227
Farm operator debt	0	9,382	37,355	78,539	115,296	114,259	17,709
By lender:							
Farm Credit System	0	2,484	13,492	39,523	28,111	80,604	6,982
Commercial bank	0	5,733	19,741	23,801	20,443	21,836	7,194
Other	Ō	1,165	4,121	15,215	66,743	11,819	3,533
By original term of loan:							
Less than 1 year	0	808	1,328	1,959	4,511	4,189	670
1-10 years	ŏ	4,511	12,942	16,127	41,928	39,994	
More than 10 years	Ő	4,062	23,085	60,453	68,858	70,076	5,749 11,291
							,
Commodity Credit Corporation crop loans <u>1</u> /	50	98	382	•	٥	0	104
crop loans <u>i</u> /	50	90	362	0	0	0	124
Net worth	281,179	269,404	139,647	70,249	24,377	-37,475	228,100
				<u>Ratio</u>			
Debt/asset ratio	0	0.03	0.21	0.53	0.83	1.49	0.07
• • • • • • •				<u>Percent</u>			
Percentage of debt by debt/asset category	0	8.74	44.93	25.70	14.28	6.32	100.00
Percentage of assets by debt/asset category	60.86	18.72	15.33	3.50	1.24	.30	100.00
See footnotes at end of table						Co	ntinued

See footnotes at end of table.

			Di	ebt/asset r	atio		
	No	0.01-	0.11-	0.41-	0.71-	Over	A11
Less than \$10.000	debt	0.10	0.40	0.70	1.0	1.0	farms
				Number			
Number of farms	510,328	95,968	125,433	50,481	13,955	5,496	801,660
				Percent			
Percentage of farms	63.65	11.97	15.64	6.29	1.74	0.68	100.00
			Do	llars per f	arm		
Farm assets	194,938	202,673	165,497	134,199	93,493	48,548	184,663
Land and buildings	156,159	153,934	121,363	114,392	82,746	25,969	145,648
Farm equipment	9,470	13,473	13,671	10,415	7,007	10,808	10,632
Livestock inventory	5,481	7,423	8,883	4,141	2,572	5,832	6,113
Crop inventory	401	804	718	283	75	132	484
Purchased inputs	147	215	161	233	201	50	163
Other assets	19,700	23,583	19,038	4,563	893	934	18,652
Farm operator debt	0	8,260	34,940	72,029	73,365	85,518	12,855
By lender:							
Farm Credit System	0	1,592	8,590	6,125	14,089	35,021	2,406
Commercial bank	0	5,004	21,321	52,974	39,201	23,229	8,112
Other	0	1,663	5,029	12,931	20,076	27,269	2,337
By original term of loan:							
Less than 1 year	0	710	514	406	263	2,305	211
1-10 years	0	4,189	8,964	17,393	19,051	25,924	3,509
More than 10 years	0	3,361	25,463	54,230	54,052	57,289	9,135
Commodity Credit Corporation							
crop loans <u>l</u> /	2	18	21	66	0	4	11
Net worth	194,938	194,413	130,556	62,170	20,128	-36,971	171,808
				<u>Ratio</u>			
Debt/asset ratio	0	0.04	0.21	0.54	0.78	1.76	0.07
- · · · · · ·				Percent			
Percentage of debt by debt/asset category	0	7.69	42.52	35.28	9.93	4.56	100.00
Percentage of assets by							
debt/asset category	67.20	13.13	14.02	4.57	.88	.18	100.00

1/ Outstanding CCC crop loans were excluded from both assets and debt. Source: 1988 Farm Costs and Returns Survey, USDA.

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			D	ebt/asset_	ratio		
Cook and inc	No	0.01-	0.11-	0.41-	0.71-	Over	A11
<u>Cash grains</u>	debt	0.10	0.40	0.70	1.0	1.0	farms
				Number			
Number of farms	123,208	47,488	103,050	41,623	15,583	8,815	339,766
				<u>Percent</u>			
Percentage of farms	36.26	13.97	30.32	12.25	4.58	2.59	100.00
			Do	llars per	farm		
Farm assets	323,859	627,116	388,115	357,727	196,875	144.116	379,394
Land and buildings	205,083	379,305	236,342	232,907	112,872	71,234	234,621
Farm equipment	47,944	139,273	77,646	73,188	49,757	38,843	72,657
Livestock inventory	4,959	9,867	12,211	12,883	11,544	3,150	9,070
Crop inventory	12,622	50,622	25,882	18,601	12,328	8,645	22,571
Purchased inputs	1,255	5,970	2,754	2,792	1,306	1,878	2,576
Other assets	44,108	39,691	29,612	16,674	8,826	7,191	33,157
Farm operator debt	0	23,820	93,280	191,109	158,564	204,022	67,598
By lender:							
Farm Credit System	0	6,059	38,638	90,455	81,764	126,435	30,677
Commercial bank	0	10,642	35,507	63,880	48,463	51,390	23,638
Other	0	7,119	19,134	36,774	28,337	26,197	13,283
By original term of loan:							
Less than 1 year	0	4,625	8,231	14,545	14,015	10,295	5,835
1-10 years	õ	9,787	30,028	56,709	46,808	63,789	21,224
More than 10 years	Ō	9,408	55,020	119,855	97,740	129,938	40,539
Commodity Credit Corporation							
crop loans $\underline{1}/$	1,457	6,671	9,010	16,929	10,089	16,495	7,158
Net worth	202 050	602 206	204 926	166 610		50 000	011 700
Net worth	323,859	603,296	294,836	166,618	38,312	-59,906	311,796
				<u>Ratio</u>			
Debt/asset ratio	0	0.04	0.24	0.53	0.81	1.42	0.18
				Percent			
Percentage of debt by debt/asset category	0	4.92	41.85	34.63	10.75	7.83	100.00
	-			000	2000		100.00
Percentage of assets by debt/asset category	30.95	23.10	31.02	11.55	2.37	.98	100.00
See footnotes at end of table						C	tinund

See footnotes at end of table.

		·		ebt/asset ra			
·	No	0.01-	0.11-	0.41-	0.71-	Over	A11
Tobacco	debt	0.10	0.40	0.70	1.0	1.0	farms
				Number			
Number of farms	42,923	10,140	14,489	4,650	d	d	76,177
				Percent			
Percentage of farms	56.34	13.31	19.02	6.10	d	d	100.0
			Do	llars per fa	<u>rm</u>		
Farm assets	143,377	220,271	192,166	126,040	d	d	159,792
Land and buildings	100,405	159,286	132,964	86,779	d	d	112,21
Farm equipment	13,508	28,425	23,927	28,159	d	ď	18,59
Livestock inventory	3,168	4,665	6,437	3,487	d	d	3,88
Crop inventory	840	2,135	2,795	1,510	d	d	1,46
Purchased inputs	191	305	247	472	d	d	28
Other assets	24,277	25,455	23,714	4,444	d	đ	22,00
Farm operator debt	0	13,501	40,816	67,476	d	d	18,600
By lender:							
Farm Credit System	0	6,534	19,816	30,879	d	d	8,994
Commercial bank	0	6,027	17,299	31,102	ď	ď	7,88
Other	0	940	3,701	5,494	d	d	1,72
By original term of loan:							
Less than 1 year	0	694	1,750	4,458	d	d	96
1-10 years	0	8,777	12,210	11,063	d	d	5,62
More than 10 years	0	4,030	26,856	51,955	d	d	12,020
Commodity Credit Corporation							
crop loans <u>1</u> /	0	42	261	169	d	ď	99
Net worth	143,377	206,770	151,350	58,564	d	d	141,180
				<u>Ratio</u>			
Debt/asset ratio	0	0.06	0.21	0.54	ď	d	0.12
				Percent			
Percentage of debt by debt/asset category	0	9.65	41.72	22.13	d	d	100.00
Percentage of assets by	50 FF	10.24	00.07	4.81	ď	d	100.04
debt/asset category	50.55	18.34	22.87	4.01	ū	đ	100.00

See footnotes at end of table.

	No	0.01-	0.11-	<u>ebt/asset</u> 0.41-	0.71-	Over	A11
Cotton	debt	0.10	0.11-	0.41-	1.0	1.0	
		0.10	0.40	0.70	1.0	1.0	farms
				<u>Number</u>			
Number of farms	8,395	3,085	5,437	1,907	803	486	20,112
				Percent			
Percentage of farms	41.74	15.33	27.03	9.48	3.99	2.41	100.00
			Do	llars per i	farm		
Farm assets	500,859	606,269	636,215	394,591	321,094	173,368	528,450
Land and buildings	284.364	368,620	407,855	210,307	198,589	63,250	314,879
Farm equipment	87,142	100,358	132,548	94,786	89,896	84,586	102,216
Livestock inventory	5,111	10,668	9,531	6,881	5,563		
Crop inventory	10,289	8,028	23,468	14,070		996	7,244
Purchased inputs	1,096		• • • •		10,003	3,686	13,693
Other assets		2,925	4,200	2,933	2,918	1,505	2,472
other assets	81,881	96,969	58,613	44,187	14,124	19,345	70,115
Farm operator debt	0	32,569	165,072	208,021	257,563	385,946	88,948
By lender:							
Farm Credit System	0	10,307	87,424	77,434	133,542	271,628	44 440
Commercial bank	ŏ	14,339	53.173	76,640	57,834	79,794	44,449
Other	Õ	7,923	24,475	53,947	66,187	34,524	28,076 16,423
By emissional terms of last				·	• • • • •		
By original term of loan:	•						
Less than 1 year	0	5,340	33,372	32,990	30,408	52,332	15,446
1-10 years	0	19,434	39,359	57,699	107,856	65,859	24,988
More than 10 years	0	7,796	92,342	117,332	119,299	267,755	48,514
Commodity Credit Corporation							
crop loans $1/$	25,098	26,116	22,678	13,847	13,221	14,080	22,793
Net worth	500,859	573,699	471,143	186,570	63,531	-212,578	439,502
				<u>Ratio</u>			
Debt/asset ratio	0	0.05	0.26	0.53	0.80	2.23	0.17
				Percent			
Percentage of debt by debt/asset category	0	5.61	50.16	22.17	11.55	10.48	100.00
Percentage of assets by debt/asset category	39.56	17.59	32.54	7.07	2.42	.79	100.00

See footnotes at end of table.

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	Debt/asset ratio						
	No	0.01-	0.11-	0.41-	0.71-	Over	A11
Other field crops	debt	0.10	0.40	0.70	1.0	1.0	farms
·				Manuala a sa			
				Number			
Number of farms	64,022	15,616	26,020	15,250	4,120	2,416	127,445
		,				•	
				Percent			
Percentage of farms	50.23	12.25	20.41	11.96	3.23	1.89	100.00
	00.20						
	<u>Dollars per farm</u>						
Farm assets	258,541	526,774	374,316	272,784	238,445	168,544	314,394
Land and buildings	184,513	383,024	264,873	194,545	160,056	104,509	224,136
Farm equipment	20,831	41,040	49,451	35,418	38,431	37,918	31,789
Livestock inventory	2,689	7,113	7,197	6,482	13,206	9,793	5,080
Crop inventory	6,037	6,774	14,928	7,942	11,446	6,470	8,353
Purchased inputs	299	1,248	2,137	1.639	1.127	700	985
Other assets	34,140	20,230	30,634	12,590	14,179	7,566	27,992
			•	- •			
Farm operator debt	0	25,334	84,921	137,647	189,162	252,115	47,809
By lender:							
Farm Credit System	0	12,462	35,828	49,735	78,521	151,335	20,201
Commercial bank	Ō	9,383	34,336	62,013	47,795	40,247	17,889
Other	Ō	3,490	14,757	25,899	62,846	60,532	9,719
Reconstrained town of loans							
By original term of loan:	0	2,093	5,888	6,481	9,246	27,780	3,060
Less than 1 year	0	10,106	25,379	48,205	44,183	95,157	15,421
1-10 years	Ő	13,135	53,654	82,962	135,734	129,178	29,329
More than 10 years	U	19,199	33,034	02,302	103,704	120,170	20,020
Commodity Credit Corporation							
crop loans <u>1</u> /	169	906	2,648	2,461	2,590	2,493	1,162
Net worth	258,541	501,440	289,395	135,136	49,282	-83,571	266,585
	- •			0.44			
				<u>Ratio</u>			
Debt/asset ratio	0	0.05	0.23	0.50	0.79	1.50	0.15
				Percent			
Percentage of debt by							
debt/asset category	0	6.49	36.26	34.45	12.79	9.99	100.00
Demonstrate of apports by							
Percentage of assets by	41.31	20.53	24.30	10.38	2,45	1.01	100.00
debt/asset category	41.91	20.00	24.00	10.00	2,10	1.01	200.00
See footnotes at end of table						Co	ont inued

See footnotes at end of table.

	Debt/asset_ratio						
	No	0.01-	0.11-	0.41-	0.71-	Over	A11
Vegetables, fruit, nuts	debt	0.10	0.40	0.70	1.0	1.0	farms
				Number			
lumber of farms	43,431	11,988	17,627	8,132	d	d	83,065
				Percent			
Percentage of farms	52.28	14.43	21.22	9.78	ď	d	100.00
			Do	llars per fa	Irm		
Farm assets	393,830	1,262,686	647,126	343,063	d	d	567,506
Land and buildings	296,840	972,556	476,216	259,696	d	d	427,490
Farm equipment	23,562	53,903	54,718	43,803	d	d	37,869
Livestock inventory	1,284	1,270	1,900	1,072	d	d	1,364
Crop inventory	2,556	6,431	21,276	15,227	d	d	8,628
Purchased inputs	299		2,680	1,172	ď	d	1,075
Other assets	61,838		79,015	22,093	d	d	62,574
Farm operator debt	0	42,014	121,896	173,348	d	d	58,837
By lender:							
Farm Credit System	0	17,198	40,465	93,072	d	d	23,890
Commercial bank	0	15,524	46.821	51,072	d	d	22,241
Other	0		34,610	29,203	d	d	12,706
By original term of loan:							
Less than 1 year	0	15,339	15,035	4,006	d	ď	7,152
1-10 years	0		34.695	42,861	d	d	16.687
More than 10 years	Ō		72,167	126,480	d	đ	34,998
Commodity Credit Corporation							
crop loans <u>1</u> /	146	157	346	1,231	d	d	322
Net worth	393,830	1,220,672	525,230	169,715	d	d	508,669
				<u>Ratio</u>			
Debt/asset ratio	0	0.03	0.19	0.51	d	d	0.10
				Percent			
Percentage of debt by debt/asset category	0	10.30	43.96	28.84	d	d	100.00
Percentage of assets by debt/asset category	36.28	32.10	24.19	5.91	d	d	100.00
See footnotes at end of table.						-	t inued

See footnotes at end of table.

	Debt/asset ratio									
Nursery, greenhouse	No debt	0.01-0.10	0.11-0.40	0.41-0.70	0.71-	0ver 1.0	All farms			
- <u></u>				Number						
Number of farms	14,407	7,130	8,633	3,353	d	d	34,760			
				Percent						
Percentage of farms	41.44	20.51	24.83	9.64	d	d	100.00			
	Dollars per farm									
Farm assets	431,312	440,888	384,436	203,525	d	d	389,312			
Land and buildings	319,974	237,495	299,568	136,780	d	d	273,005			
Farm equipment	33,237	31,234	25,930	27,610	ď	d	29,690			
Livestock inventory	15,778	17,053	342	1,642	d	d	10,281			
Crop inventory	24,081	67,515	20,324	21,016	d	d	30,924			
Purchased inputs	2,237	9,254	5,281	2,828	d	d	4,426			
Other assets	33,901	65,851	28,431	13,649	d	d	36,027			
Farm operator debt	0	17,622	100,477	118,118	d	d	44,645			
By lender:										
Farm Credit System	0	5,539	17,361	18,093	d	d	8,940			
Commercial bank	0	10,898	47,766	67,464	d	d	22,180			
Other	0	1,185	35,350	32,560	d	d	13,524			
By original term of loan:		0 000								
Less than 1 year	0	2,028	6,486	1,718	d	d	2,284			
1-10 years More than 10 years	0	9,816 5,779	39,280 54,712	87,343 29,057	d d	d di	22,671 19,690			
Commodity Credit Corporation										
crop loans $\underline{1}/$	0	0	0	0	d	d	0			
Net worth	431,312	423,265	283,959	85,407	d	d	344,668			
				<u>Ratio</u>						
Debt/asset ratio	0	0.04	0.26	0.58	d	d	0.11			
·				Percent						
Percentage of debt by debt/asset category	0	8.09	55.89	25.51	d	ď	100.00			
Percentage of assets by debt/asset category	45.91	23.23	24.52	5.04	ď	d	100.00			
San factuation at and of table						_				

See footnotes at end of table.

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Appendix table 37Farm operato	r balance sheet by	production specialty,	January 1, 1989Continued
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		Debt/asset ratio								
	No	0.01-	0.11-	0.41-	0.71-	Over	A11			
Beef, hogs, sheep	debt	0.10	0.40	0.70	1.0	1.0	farms			
				Number						
Number of farms	479,276	128,677	169,923	55,635	16,316	8,584	858,411			
				<u>Percent</u>						
Percentage of farms	55.83	14.99	19.79	6.48	1.90	0.99	100.00			
	Dollars per farm									
Farm assets	321,223	396,761	340,343	289,211	251,033	174,727	331,457			
Land and buildings	219,329	267,593	214,089	177,318	155,190	82,879	220,220			
Farm equipment	17,488	31,118	35,678	34,972	28,888	28,381	24,590			
Livestock inventory	19,801	45,172	51,588	54,174	56,286	48,326	33,103			
Crop inventory	1,740	4,597	8,636	8,943	3,644	4,385	4,063			
Purchased inputs	582	2,051	2,055	2,811	1,694	881	1,262			
Other assets	30,939	38,655	27,240	9,802	5,258	9,047	29,287			
Farm operator debt	0	17,048	73,361	150,080	202,578	282,652	33,481			
By lender:										
Farm Credit System	0	4,083	23,888	52,895	87,632	107,502	11.510			
Commercial bank	0	9,522	33,738	71,685	68,401	122,502	15,277			
Other	0	3,443	15,735	25,499	46,545	52,648	6,695			
By original term of loan:										
Less than 1 year	0	3,064	10,248	18,872	28,097	30,974	4,555			
1-10 years	0	7,940	23,614	42,904	51,611	110,253	10,729			
More than 10 years	0	6,044	39,498	88,304	122,870	141,425	18,197			
<b>Commodity</b> Credit Corporation										
crop loans <u>1</u> /	61	275	1,375	1,954	1,004	1,330	506			
Net worth	321,223	379,713	266,983	139,132	48,455	-107,925	297,977			
				<u>Ratio</u>						
Debt/asset ratio	0	0.04	0.22	0.52	0.81	1.62	0.10			
Developed and Cold to t				Percent			,			
Percentage of debt by debt/asset category	0	7.63	43.37	29.05	11.50	8.44	100.00			
Percentage of assets by debt/asset category	54.10	17.94	20.32	5.65	1.43	. 52	100.00			
See footnotes at end of table.						Cor	ntinued			

	Debt/asset ratio								
	No	0.01-	0.11-	0.41-	0.71-	Over	A11		
Poultry	debt	0.10	0.40	0.70	1.0	1.0	farms		
				Number					
Number of farms	7,486	3,843	7,358	4,960	đ	đ	27,227		
				Percent					
Percentage of farms	27.49	14.11	27.02	18.21	đ	d	100.00		
	Dollars per farm								
Farm assets	209,397	652,624	446,158	363,020	d	d	355,989		
Land and buildings	156,709	487,060	337,910	287,086	d	d	271,097		
Farm equipment	16,486	41,103	41,174	33,586	d	ď	29,455		
Livestock inventory	3,395	22,843	26,605	25,609	d	d	17,077		
Crop inventory	496	4,617	1,529	1,698	d	d	1,511		
Purchased inputs	1,902	4,144	796	406	d	d	1,448		
Other assets	28,975	90,071	35,524	14,635	d	đ	33,714		
Farm operator debt	0	22,266	97,568	187,071	đ	d	80,931		
By lender:	_								
Farm Credit System	0	12,339	44,096	72,972	d	d	32,243		
Commercial bank	0	6,781	51,634	105,605	d	d	40,260		
Other	0	3,145	1,838	8,494	d	d	8,428		
By original term of loan:									
Less than 1 year	0	2,267	1,761	2,379	d	d	1,736		
1-10 years	0	11,785	58,945	49,735	d	d	33,356		
More than 10 years	0	8,213	36,862	134,957	d	d	45,838		
Commodity Credit Corporation									
crop loans <u>1</u> /	0	154	51	55	d	d	48		
Net worth	209,397	630,359	348,590	175,949	đ	d	275,058		
				<u>Ratio</u>					
Debt/asset ratio	0	0.03	0.22	0.52	đ	d	0.23		
				Percent					
Percentage of debt by									
debt/asset category	0	3.88	32.58	42.11	d	d	100.00		
Percentage of assets by debt/asset category	16.17	25.87	33.87	18.57	d	d	100.00		

See footnotes at end of table.

	Debt/asset ratio						
De tu	No	0.01-	0.11-	0.41-	0.71-	Over	A11
Dairy	debt	0.10	0.40	0.70	1.0	1.0	farms
				Number			
Number of farms	35,341	29,954	46,693	21,319	5,966	2,754	142,027
				<u>Percent</u>			
Percentage of farms	24.88	21.09	32.87	15.01	4.20	1.93	100.00
			Do	llars per t	farm		
Farm assets	387,203	635,731	556,716	414,885	352,310	196,102	404 221
Land and buildings	229,213	413,793	293,537	219,324	184,243	88,447	494,331
Farm equipment	53,065	78,418	82,373	67,119	49,383		283,186
Livestock inventory	55,690	86,854	113,964	86,604	95,012	23,953	69,438
Crop inventory	10,463	16,030	20,949	16,281	8,033	47,994	87,564
Purchased inputs	4,446	4,002	7,107	5,552	8,557	6,750	15,783
Other assets	27,903	32,495	32,285	16,159		1,532	5,509
	27,000	52,435	52,205	10,159	7,082	11,344	27,354
Farm operator debt	0	26,379	125,884	220,483	285,694	294,264	97,752
By lender:							
Farm Credit System	0	10,329	55,995	114,126	134,524	199,910	47 946
Commercial bank	ŏ	10,442	41,797	66,893	112,028	66,800	47,246
Other	õ	5,608	28,092	39,464	39.142		31,986
	•	0,000	20,032	33,404	39,142	27,554	18,521
By original term of loan:							
Less than 1 year	0	3.370	10,795	15,069	9,204	5,414	7 012
1-10 years	ŏ	11.357	44.074	68,724	92,950		7,013
More than 10 years	ŏ	11,651	71.014	136.689	• • • •	59,326	32,256
	Ū	11,001	/1,014	130,005	183,540	229,525	58,483
Commodity Credit Corporation							
crop loans <u>1</u> /	65	409	1,016	1,849	1,130	281	767
Net worth	387,203	609,352	430,832	194,402	66,616	-98,162	396,579
				<u>Ratio</u>			
Debt/asset ratio	0	0.04	0.23	0.53	0.81	1.50	0.20
Popportage of data has				Percent			
Percentage of debt by debt/asset category	0	5.69	42.33	33.85	12.27	5.83	100.00
Percentage of assets by debt/asset category	19.49	27.12	37.02	12.59	2.99	.76	100.00
See footnotes at end of table.						Con	tinued

			De	ebt/asset_r	atio		
	No	0.01-	0.11-	0.41-	0.71-	Over	A11
Other livestock	debt	0.10	0.40	0.70	1.0	1.0	<u>farms</u>
				Number			
Number of farms	25,969	9,094	13,566	4,808	1,294	368	55,098
				Percent			
Percentage of farms	47.13	16.50	24.62	8.72	2.34	0.66	100.00
			Do	llars per f	arm		
Farm assets	353,527	426,722	249,382	134,645	106,065	596,629	316,680
Land and buildings	255,124	358,001	138.051	83,559	87,567	223,076	224,160
Farm equipment	12,494	18,699	22,102	15,606	8,457	15,206	16,079
Livestock inventory	37.827	26,343	50,363	18,163	6,392	153,151	37,335
	243	239	808	495	259	182	403
Crop inventory	507	459	623	147	216	1.466	496
Purchased inputs				7,846	3,174	197,137	34,363
Other assets	41,002	22,689	37,435	7,040	3,174	19/,13/	34,303
Farm operator debt	0	11,874	53,162	70,630	81,483	754,886	28,169
By lender:							
Farm Credit System	0	2,104	7,945	15,568	4,041	20,171	3,891
Commercial bank	0	4,931	41,085	37,960	56,327	677,872	20,093
Other	0	4,839	4,133	17,101	21,115	56,843	4,184
By original term of loan:							
Less than 1 year	0	1,037	2,464	3,186	1,430	10,670	1,161
1-10 years	Ő	5,942	14,171	14,990	5,932	668.009	10.380
More than 10 years	ŏ	4,895	36,527	52,454	74,121	76,207	16,628
Commodity Credit Corporation							
crop loans <u>1</u> /	38	20	27	0	0	0	28
Net worth	353,527	414,849	196,220	64,016	24,582	-158,257	288,511
				<u>Ratio</u>			
Debt/asset ratio	0	0.03	0.21	0.52	0.77	1.27	0.09
				Percent			
Percentage of debt by	•	e or		21.87	6.79	17.90	100.00
debt/asset category	0	6.95	46.46	21.8/	0.79	11.90	100.00
Percentage of assets by	F0 01	00 00	10 30	3.71	.78	1.25	100.00
debt/asset category	52.61	22.23	19.38	3.71	.76	1.25	100.00

d = Data insufficient for disclosure. <u>1</u>/ Outstanding CCC crop loans were excluded from both assets and debt. Source: 1988 Farm Costs and Returns Survey, USDA.

	Debt/asset ratio						
Northeast	No	0.01-	0.11-	0.41-	0.71-	Over	A11
Northeast	debt	0.10	0.40	0.70	1.0	1.0	farms
				Number			
Number of farms	62,246	21,373	29,869	9,457	d	d	126,466
				Percent			
Percentage of farms	49.22	16.89	23.61	7.47	ď	d	100.00
-			Do	llars per fa	_	u	100.00
-				That's per to	<u>arai</u>		
Farm assets	606,972	669,255	397,277	395,036	d	d	540,014
Land and buildings	520,863	453,718	263,007	263,479	d	d	417,967
Farm equipment	26,147	61,055	50,251	52,710	d	d	39,802
Livestock inventory	13,822	40,729	39,447	43,302	d	d	26.856
Crop inventory	3,824	11,923	13,735	10,055	d	d	8,018
Purchased inputs	844	2,556	3,266	2,696	d	d	1,854
Other assets	25,241	31,795	21,740	18,411	d	ď	24,400
Farm operator debt	0	26,320	82,823	206,028	d	d	43,507
By lender:							
Farm Credit System	0	11,971	37,448	79,992	ď	d	17,794
Commercial bank	õ	9,859	26,448	104.726	d	d	18,331
Other	Ō	4,490	18,928	21,310	d	d	7,383
By original term of loan:							
Less than 1 year	0	2,233	1,581	7,518	d	d	1,380
1-10 years	Ō	10,335	29,374	67,739	d	d	15,573
More than 10 years	Ō	13,752	51,869	130,771	d	d	26,554
Commodity Credit Corporation							
crop loans <u>1</u> /	64	66	187	56	d	d	94
Net worth	606,972	642,935	214 452	100 000			
	000,372	042,933	314,453	189,009	d	ď	496,506
				<u>Ratio</u>			
Debt/asset ratio	0	0.04	0.21	0.52	d	d	0.08
				Percent			
Percentage of debt by debt/asset category	0	10.22	44.96	35.41	d	d	100.00
Percentage of assets by						4	100.00
debt/asset category	55.32	20.94	17.37	5.47	d	d	100.00
See footnotes at end of table.						Cont	inued

## Appendix table 38--Farm operator balance sheet by region, January 1, 1989

				<u>bt/asset_r</u>	<u>atio</u> 0.71-	A11			
Lake States	No debt	0.01- 0.10	0.11-0.40	0.41-0.70	1.0	0ver 1.0	farms		
		0.10							
				Number					
umber of farms	68,322	28,062	49,737	28,216	6,794	2,047	183,17		
				<u>Percent</u>					
Percentage of farms	37.29	15.31	27.15	15.40	3.70	1.11	100.0		
	<u>Dollars per farm</u>								
Farm assets	253,956	420,068	353,051	353,824	196,329	281,877	319,86		
Land and buildings	153,418	271,950	199,715	217,674	110,725	137,381	192,28		
Farm equipment	35,991	63,687	64,890	61,410	32,893	47,392	52,00		
Livestock inventory	18,461	35,795	39,744	41,867	39,209	23,223	31,32		
Crop inventory	8,266	15,660	18,181	15,653	6,963	13,392	13,23		
Purchased inputs	2,252	2,915	3,897	3,661	2,054	5,497	3,04		
Other assets	33,714	30,061	24,514	12,795	4,485	33,358	26,34		
Farm operator debt	0	16,078	84,192	187,462	159,221	366,698	64,20		
By lender:									
Farm Credit System	0	2,560	37,545	86,301	91,029	192.416	29,40		
Commercial bank	ŏ	7,746	29,165	61,399	41,023	106,633	21,27		
Other	õ	5,772	17,482	39,761	27,169	67,648	13,52		
By original term of loan:									
Less than 1 year	0	3,355	9,573	13,433	6,197	4,254	5,46		
1-10 years	ŏ	7,439	25,602	61,972	48,421	100,497	20,55		
More than 10 years	ŏ	5,284	49,016	112,056	104,603	261,947	38,18		
Commodity Credit Corporation									
crop loans <u>1</u> /	584	2,741	5,864	11,023	2,160	53,615	4,60		
Net worth	253,956	403,990	268,859	166,362	37,108	-84,820	255,66		
				<u>Ratio</u>					
Debt/asset ratio	0	0.04	0.24	0.53	0.81	1.30	0.2		
<b>`</b>				Percent					
Percentage of debt by debt/asset category	0	3.83	35.60	44.97	9.19	6.38	100.0		
Percentage of assets by debt/asset category	29.61	20.11	29.96	17.03	2.27	.98	100.0		

			_				
	No	0.01-		ebt/asset i			
Corn Belt	debt	0.01-	0.11- 0.40	0.41- 0.70	0.71~ 1.0	Over 1.0	All farms
			0.40	0.70	1.0	1.0	Tarms
				Number			
Number of farms	136,027	52.136	94,496	34,877	9,299	5,458	332,293
		•			.,		002,200
				Percent			
Percentage of farms	40.93	15.68	28.43	10.49	2.79	1.64	100.00
			Do	<u>llars per f</u>	farm		
Farm assets	258,983	370 A7E	262 450	200 050			
Land and buildings	•	378,475	363,458	298,959	228,073	191,359	309,661
	171,223	247,967	220,152	189,209	139,946	99,536	197,013
Farm equipment	29,704	51,351	61,964	50,764	42,446	36,594	44,955
Livestock inventory	15,656	26,736	31,568	29,483	27,536	24,564	23,849
Crop inventory	7,852	17,867	23,350	16,052	10,698	13,006	14,856
Purchased inputs	1,056	1,982	2,754	2,623	1,320	1,053	1,856
Other assets	29,040	31,414	22,110	9,428	5,719	8,080	24,386
Farm operator debt	0	17,415	86,693	157,355	185,315	274,223	53,591
By lender:							
Farm Credit System	0	3,491	28,850	63,963	86,327	161,309	20,531
Commercial bank	õ	10,009	38,323	62,529	72,185	80,076	22,367
Other	Ō	3,914	19,520	30,863	26,803	32,837	10,694
				-	·		
By original term of loan:							
Less than 1 year	0	3,060	7,605	10,127	11,326	15,153	4,272
1-10 years	0	7,642	28,426	52,298	77,675	92,354	18,463
More than 10 years	0	6,713	50,662	94,930	96,313	166,716	30,857
Commodity Credit Corporation							
crop loans $1/$	472	1,879	5,274	11,291	10,624	4,344	3,542
Net worth	258,983	361,060	276,764	141.604	42.758	-82,864	256,070
				Datia			,
				<u>Ratio</u>			
Debt/asset ratio	0	0.05	0.24	0.53	0.81	1.43	0.17
Porcontage of debt by				Percent			
Percentage of debt by debt/asset category	0	5.09	46.00	30.81	9.67	8.40	100.00
•••	-			00.01	0.0/	0.70	100.00
Percentage of assets by debt/asset category	34.23	19.17	22 27	10 10	0.00	1	100 00
	34.23	19.1/	33.37	10.13	2.06	1.01	100.00
See footnotes at end of table.						Con	tinued

	Debt/asset ratio								
Northern Plains	No	0.01-	0.11-	0.41-	0.71-	Over	A11		
	debt	0.10	0.40	0.70	1.0	1.0	farms		
				Number					
Number of farms	48,902	23,386	49,458	20,499	6,345	4,439	153,029		
				Percent					
Percentage of farms	31.95	15.28	32.31	13.39	4.14	2.90	100.00		
	<u>Dollars per farm</u>								
Farm assets	300,635	469,806	401,908	345,342	221,936	121.690	356,754		
Land and buildings	160,387	292,932	211,784	189,186	121,933	55,131	196,464		
Farm equipment	43,006	60,206	67,079	63,967	45,393	31,105	55,977		
Livestock inventory	26,286	66,338	59,858	57,492	31,602	13,645	47,291		
Crop inventory	9,833	17,608	21,178	16,858	12,663	6,010	15,635		
Purchased inputs	1,706	4,736	3,857	4,011	2,394	707	3,173		
Other assets	51,332	26,480	36,427	13,414	7,953	5,365	34,505		
Farm operator debt	0	19,459	90,190	183,166	178,781	187,684	69,516		
By lender:									
Farm Credit System	0	4,425	30,068	70,082	102,454	110 452	07 405		
Commercial bank	ŏ	8,374	42,846	85,006	48.348	119,453	27.495		
Other	õ	6,660	17,276	28,078	27,979	55,754 12,477	30,136 11,885		
By original term of loan:							• • -		
Less than 1 year	0	3,583	17,350	35,964	19,972	20 154	10 017		
1-10 years	ō	8,982	31,573	55,986	•	28,154	12,617		
More than 10 years	õ	6,895	41,267	91,216	39,264 119,544	55,940 103,590	22,327 34,572		
Commodity Credit Corporation							-		
crop loans $1/$	923	5,769	4,280	6,008	9,222	3,891	3,860		
Net worth	300,635	450,347	311,718	162,176	43,156	-65,994	287,238		
				<u>Ratio</u>					
Debt/asset ratio	0	0.04	0.22	0.53	0.81	1.54	0.19		
D				Percent					
Percentage of debt by debt/asset category	0	4.27	41.93	35.29	10.66	7.83	100.00		
Percentage of assets by debt/asset category	26.92	20.12	36.40	12.96	2.57	.98	100.00		
See footnotes at end of table.						•	<b>.</b>		

See footnotes at end of table.

			n	ebt/asset	ratio				
	No	0.01-	0.11-	0.41-	0.71-	Over	A11		
<u>Appalachian</u>	debt	0.10	0.40	0.70	1.0	1.0	farms		
				Number					
Number of farms	164,327	39,194	49,046	14,681	4.955	3,437	275,639		
				<b>D</b>		• •			
				Percent					
Percentage of farms	59.61	14.21	17.79	5.32	1.79	1.24	100.00		
			Do	llars per t	farm				
Farm assets	192,513	265,337	247,373	180,640	223.374	158,426	212,127		
Land and buildings	126,484	178,948	154,588	122,089	179,850	84,219	139,143		
Farm equipment	15,344	28,607	30,879	31.354	31,743	16,963	21,162		
Livestock inventory	8,644	16,533	25,743	13,479	5,126	28,494	13,250		
Crop inventory	1,108	2,956	3,669	6,270	1,900	761	2.111		
Purchased inputs	273	671	667	714	1.257	370	442		
Other assets	35,060	37,542	30,395	6.734	3,263	8,683	32,174		
	,			0,	0,200	0,000	32,174		
Farm operator debt	0	12,324	52,608	99,004	177,176	261,363	22,830		
By lender:									
Farm Credit System	0	5,324	23.527	47,378	83,340	84,132	10.014		
Commercial bank	0	5,417	21,486	44,396	59,947	121,566	9,551		
Other	0	1,583	7,596	7,230	33,889	55,665	3,265		
By original term of loan:									
Less than 1 year	0	1,059	2,941	1.204	5,123	5,263	896		
1-10 years	õ	5,508	17.168	15.610	59,005				
More than 10 years	ŏ	5,757	32,500	82,190	113.048	157,041 99,060	7,688 14,246		
Commodity Credit Corporation				·					
crop loans 1/	0	199	670	282	246	0	107		
	v	155	070	202	240	v	167		
Net worth	192,513	253,013	194,765	81,636	46,198	-102,937	189,297		
				<u>Ratio</u>					
Debt/asset ratio	0	0.05	0.21	0.55	0.79	1.65	0.11		
				Percent					
Percentage of debt by				rencent					
debt/asset category	0	7.67	41.00	23.09	13.94	14.27	100.00		
Percentage of assets by									
debt/asset category	54.10	17.78	20.75	4.53	1.89	.93	100.00		
See footnotes at end of table	•					Cor	tinued		

				ebt/asset		والمحاورة ويراجعها	
	No	0.01-	0.11-	0.41-	0.71-	0ver	A11
Southeast	debt	0.10	0.40	0.70	1.0	1.0	farms
				Number			
Number of farms	89,596	20,208	24,199	10,157	1,465	911	146,536
				Percent			
Percentage of farms	61.14	13.79	16.51	6.93	0.99	0.62	100.00
			Do	llars per	farm		
Farm assets	243,465	605,145	392,936	240,833	286,357	138,951	317,623
Land and buildings	185,041	416,772	288,095	173,900	207,119	64,861	232,718
Farm equipment	13,167	39,203	35,492	31,411	41,941	39,527	22,160
Livestock inventory	10,164	26,378	25,228	21,369	21,093	10,967	15,778
Crop inventory	2,659	22,378	4,848	2,458	3,975	762	5,727
Purchased inputs	230	1,415	1,067	1,026	663	529	593
Other assets	26,387	55,858	31,961	9,276	9,145	14,876	29,942
Farm operator debt	0	24,225	86,303	124,191	237,058	204,545	29,843
By lender:							
Farm Credit System	0	8,079	37,767	53,248	128,349	121,376	13,080
Commercial bank	0	12,140	38,190	47,289	53,456	73,783	12,252
Other	0	4,006	10,346	23,653	55,253	9,386	4,511
By original term of loan:							
Less than 1 year	0	1,107	7,931	5,225	12,818	18,198	2,066
1-10 years	0	16,553	37,719	26,409	77,859	43,729	11,393
More than 10 years	0	6,565	40,653	92,556	146,381	142,618	16,384
Commodity Credit Corporation	<u>.</u>	050	700	205	4 097	c 110	200
crop loans <u>1</u> /	62	253	700	766	4,837	6,110	328
Net worth	243,465	580,919	306, <b>6</b> 33	116,642	49,300	-65,594	287,780
				<u>Ratio</u>			
Debt/asset ratio	0	0.04	0.22	0.52	0.83	1.47	0.09
				Percent			
Percentage of debt by debt/asset category	0	11.19	47.75	28.84	7.94	4.25	100.00
Percentage of assets by debt/asset category	46.86	26.27	20.42	5.25	.90	.27	100.00
See footnotes at end of table						Co	ntinued

	Debt/asset ratio								
Delta	No	0.01-	0.11-	0.41-	0.71-	Over	A11		
	debt	0.10	0.40	0.70	1.0	1.0	farms		
				<u>Number</u>					
Number of farms	56,779	16,483	18,088	6,912	1,683	1,663	101,608		
				Percent					
Percentage of farms	55.88	16.22	17.80	6.80	1.65	1.63	100.00		
			Do	llars per t	arm				
Farm assets	214,466	338,598	223,291	308,383	242,990	107,209	241,281		
Land and buildings	149,804	239,358	127,300	181,024	144,815	45,416	160.659		
Farm equipment	21.043	37,917	40.892	62.387	48,914	52,534	31,103		
Livestock inventory	12,627	25,321	18,857	31,085	17,839	2,345	16,969		
Crop inventory	1,368	3,072	5,025	7,324	14,092	3,134	2,940		
Purchased inputs	741	1.148	775	764	1,405	367	819		
Other assets	26,869	31,782	30.442	19,658	15,924	3,414	27,246		
	20,000	01,702	50,442	15,050	10,524	5,414	27,240		
Farm operator debt	0	16,072	47,823	157,287	194,865	235,885	28,908		
By lender:									
Farm Credit System	0	4,581	16,724	77,819	111,468	197,503	14,092		
Commercial bank	Ō	8,734	24,766	63,654	48,280	31,252	11,467		
Other	0	2,757	6,333	15,814	35,117	7,130	3,349		
By original term of loan:									
Less than 1 year	0	2,271	3,544	10.472	2,973	13,066	1.975		
1-10 years	0	10,159	21,045	60,428	43,882	61,933	11,245		
More than 10 years	0	3,642	23,234	86,387	148,010	160,885	15,687		
Commodity Credit Corporation									
crop loans <u>1</u> /	3,329	3,996	5,227	3,040	4,488	5,512	3,811		
Net worth	214,466	322,526	175,469	151,096	48,124	-128,676	212,373		
				<u>Ratio</u>					
Debt/asset ratio	0	0.05	0.21	0.51	0.80	2.20	0.12		
				Percent					
Percentage of debt by				<u>لانت الم</u>					
debt/asset category	0	9.01	29.45	37.01	11.16	13.35	100.00		
Percentage of assets by				_					
debt/asset category	49.67	22.76	16.47	8.69	1.66	.72	100.00		
See footnotes at end of table. Continued-									

	Debt/asset ratio									
Southern_Plains	No debt	0.01- 0.10	0.11-0.40	0.41- 0.70	0.71- 1.0	0ver 1.0	All farms			
				Number						
Number of farms	117,772	32,683	42,185	14.700	8,600	3,685	219,626			
		01,000		Percent	0,000	0,000	210,020			
Percentage of farms	53.62	14.88	19.20	6.69	3.91	1.67	100.00			
rencentage of Tarms	33.02	14.00				1.07	100.00			
				llars per 1	rarm					
Farm assets Land and buildings	368,190 257,473	542,996 395,657	402,152 264,520	252,343 154,824	230,785 125,478	118,685 49,261	383,406			
Farm equipment	23,134	36,366	48,662	35,557	42,509	35,074	263,857 31,797			
Livestock inventory	24,712	46,461	49,334	39,360	47,419	28,344	34,608			
Crop inventory	686	1,472	5,048	6,568	2,609	1,176	2,118			
Purchased inputs	429	1,544	1,600	2,024	2,971	871	1,034			
Other assets	44,372	61,498	32,577	13,971	9,799	3,823	40,586			
Farm operator debt	0	22,393	81,528	132,391	182,769	200,231	38,370			
By lender:										
Farm Credit System	0	4,514	28,983	56,169	67,973	69,301	13,823			
Commercial bank	0	15,199	34,521	56,636	67,229	112,339	17,201			
Other	0	2,680	18,024	19,586	47,568	18,592	7,346			
By original term of loan:										
Less than 1 year	0	4,861	12,480	17,430	42,682	36,345	6,568			
1-10 years More than 10 years	0	11,745 5,787	35,264 33,784	48,868 66,093	33,725 106,362	60,734 103,153	14,132 17,670			
Hore than to years	U	5,707	55,704	00,035	100,502	105,155	17,070			
Commodity Credit Corporation										
crop loans <u>l</u> /	566	1,148	2,309	2,156	1,395	481	1,125			
Net worth	368,190	520,604	320,624	119,952	48,015	-81,546	345,036			
				<u>Ratio</u>						
Debt/asset ratio	0	0.04	0.20	0.52	0.79	1.69	0.10			
				Percent						
Percentage of debt by debt/asset category	0	8.68	40.81	23.09	18.65	8.75	100.00			
Percentage of assets by debt/asset category	51.49	21.07	20.14	4.40	2.35	.51	100.00			
See footnotes at end of table						r	nt invod			

See footnotes at end of table.

			Di	ebt/asset	ratio			
	No	0.01-	0.11-	0.41-	0.71-	Over	A11	
Mountain	debt	0.10	0.40	0,70	1.0	1.0	farms	
				Number				
Number of farms	39,008	15,556	26,995	8,743	3,243	2,887	96,432	
				<u>Percent</u>				
Percentage of farms	40.45	16.13	27.99	9.06	3.36	2.99	100.00	
			Do	llars per f	farm			
Farm assets	653,923	973,683	603,231	473,698	405,232	80,141	649,430	
Land and buildings	284,491	460,447	385,885	283,135	238,791	40,171	332,284	
Farm equipment	29,020	236,397	57,913	52,240	44,441	13,120	72,709	
Livestock inventory	36,243	62,147	77,042	52,291	97,124	11,158	54,595	
Crop inventory	6,622	89,277	18,922	17,670	6,391	3,133	24,288	
Purchased inputs	1,196	14,675	5,649	5,023	7,724	954	5,176	
Other assets	36,458	43,617	39,116	30,239	10,760	6,644	36,036	
Farm operator debt	0	30,591	137,334	236,925	331,381	153,661	80,608	
By lender:								
Farm Credit System	0	7.367	56,997	99,147	137,769	89.273	33,440	
Commercial bank	Ó	12,315	50,015	80,140	94,876	43,964	27,761	
Other	0	10,909	30,322	57,637	98,737	20,424	19,406	
By original term of loan:								
Less than 1 year	0	8,227	15,168	21.162	17.240	5,238	8.228	
1-10 years	0	9,715	27,637	58,391	102,398	44.177	19,365	
More than 10 years	0	12,650	94,529	157,371	211,744	104,246	53,014	
Commodity Credit Corporation								
crop loans <u>1</u> /	242	1,330	3,141	2,501	421	1,896	1,489	
Net worth	653,923	943,092	465,897	236,773	73,850	-73,519	568,822	
				<u>Ratio</u>				
Debt/asset ratio	0	0.03	0.23	0.50	0.82	1.92	0.12	
				Percent	-			
Percentage of debt by debt/asset category	0	6.12	47.69	26.64	13.82	5.70	100.00	
Percentage of assets by debt/asset category	40.73	24.18	26.00	6.61	2.09	.36	100.00	
See footnotes at end of table.	•					Co	ntinued	

			D	ebt/asset	ratio			
	No	0.01-	0.11-	0.41-	0.71-	Over	A11	
Pacific	debt	0.10	0.40	0.70	1.0	1.0	farms	
				Number				
Number of farms	61,480	17,932	28,721	13,393	5,397	2,357	129,279	
				Percent				
Percentage of farms	47.55	13.87	22.21	10.35	4.17	1.82	100.00	
			Do	llars per t	farm			
Farm assets	471.045	1,057,387	648,246	368,627	271,405	272,230	569,174	
Land and buildings	341,089	862,714	463,643	278,521	178,557	135,400	423.653	
Farm equipment	28,894	45,764	49,606	34,496	35,623	29,593	36,709	
Livestock inventory	13,054	35,366	38,989	21,654	28,696	69,741	24,488	
Crop inventory	8,895	6,306	19,553	8.816	12,306	1,516	10,903	
Purchased inputs	1,002	5,349	4,147	3,221	2,083	1,768	2,593	
Other assets	48,569		71,378	20,821	14,140	30,933	50,258	
Farm operator debt	0	41,760	143,282	193,151	213,867	410,711	74,049	
By lender:								
Farm Credit System	0	22,565	45,771	83,550	72,494	122,523	27,214	
Commercial bank	0	10.832	60,520	67,642	75,553	170,212	28,212	
Other	Ō	8,363	36,991	41,959	65,821	117,976	18,623	
By original term of loan:								
Less than 1 year	0	11,941	13,395	7.435	28,936	34,365	7,237	
1-10 years	õ	7,887	35,696	42.132	30,201	199.380	18,284	
More than 10 years	õ	21,931	94,190	143,584	154,731	176,966	48,527	
Commodity Credit Corporation								
crop loans <u>1</u> /	256	785	2,736	954	488	64	959	
Net worth	471,045	1,015,627	504,964	175,476	57,538	-138,481	495,126	
				<u>Ratio</u>				
Debt/asset ratio	0	-0.04	0.22	0.52	0.79	1.51	0.13	
				Percent				
Percentage of debt by debt/asset category	0	7.82	42.98	27.02	12.05	10.11	100.00	
Percentage of assets by								
debt/asset category	39.35	25.76	25.30	6.70	1.99	.87	100.00	

d = Data insufficient for disclosure. 1/ Outstanding CCC crop loans were excluded from both assets and debt. Source: 1988 Farm Costs and Returns Survey, USDA.

			D	ebt/asset	ratio		
Full tenant	No debt	0.01-0.10	0.11-0.40	0.41-0.70	0.71- 1.0	0ver 1.0	All farms
				Number	a na mana an		
Number of farms	59,246	16,716	41,452	17,209	8,311	8,989	151,922
				<u>Percent</u>			
Percentage of farms	38.99	11.00	27.28	11.32	5.47	5.91	100.00
			De	ollars per	farm		
Farm assets	367,970	264,301	170,142	143,624	123,357	67,890	246,037
Land and buildings	292,557	98,992	23,756	13,885	8,371	2,476	133,641
Farm equipment	31,762	67,787	59,127	57,023	53,268	33,185	47,315
Livestock inventory	12,469	41,146	36,519	41,854	37,477	20,080	27,333
Crop inventory Purchased inputs	8,162	19,074	16,358	13,035	12,743	5,023	12,216
Other assets	1,528 21,490	5,613	3,163	1,632	4,314	1,105	2,563
other assets	21,490	31,685	31,218	16,192	7,185	6,000	22,967
Farm operator debt	0	11,322	36,529	74,944	100,416	134,639	33,161
By lender:							
Farm Credit System	0	3,444	9,280	21,004	42,454	45,445	10,302
Commercial bank	0	5,512	20,174	45,209	44,215	76,658	18,186
Other	0	2,366	7,075	8,730	13,747	12,537	4,673
By original term of loan:				.1			
Less than 1 year	0	2,657	9,574	19,500	34,264	17,441	8,020
1-10 years	0	6,181	20,341	35,695	50,525	65,246	16,898
More than 10 years	0	2,483	6,614	19,749	15,626	51,953	8,244
Commodity Credit Corporation			1				
crop loans <u>1</u> /	2,085	5,944	4,676	3,380	2,290	5,866	3,598
Net worth	367,970	252,979	133,613	68,680	22,942	-66,749	212,875
				<u>Ratio</u>			
Debt/asset ratio	0	0.04	0.21	0.52	0.81	1.98	0.13
Barran and a barra t				Percent	<u>.</u>		
Percentage of debt by debt/asset category	0	3.75	30.05	25.59	16.56	24.02	100.00
Percentage of assets by debt/asset category	58.32	11.81	18.86	6.61	2.74	1.63	100.00
See footnotes at end of table.						Cor	ntinued

	11 L			ebt/asset	ratio				
	No	0.01-	0.11-	0.41-	0.71-	Over	A11		
1-20 percent	debt	0.10	0.40	0.70	1.0	1.0	farms		
				<u>Number</u>					
Number of farms	48,194	21,786	39,571	15,419	4,478	4,024	133,472		
				Percent					
Percentage of farms	36.10	16.32	29.64	11.55	3.35	3.01	100.00		
			<u>D</u>	ollars per	farm				
Farm assets	202,888	358,948	311,374	333,125	246,921	142,700	275.232		
Land and buildings	106,852	197,925	134,883	150,520	123,507	65,892	134,396		
Farm equipment	32,864	60,157	82,670	86.345	64,321	38,807	59,498		
Livestock inventory	13,498	33,948	38,474	47,952	30,845	16,940	28,907		
Crop inventory	4,862	13,299	23,228	26,046	11,459	5,438	14,370		
Purchased inputs	808	3,330	3,546	5,417	2,713	965	2,633		
Other assets	39,965	40,290	28,264	16,614	13,230	8,210	31,997		
	00,000	407200	20,204	10,014	10,200	0,210	51,557		
Farm operator debt	0	17,503	71,937	177,709	202,380	228,086	58,380		
By lender:	,								
Farm Credit System	0	6,676	24,961	64,430	91,086	84,656	21,541		
Commercial bank	0	7,618	34,074	79,867	85,841	130,688	27,392		
Other	0	3,209	12,903	33,412	25,453	12,742	9,447		
By original term of loan:									
Less than 1 year	0	2,217	10,257	34,432	28,791	24,950	9,099		
1-10 years	0	9,354	29,985	62.597	77.379	133,945	24,282		
More than 10 years	0	5,932	31,695	80,681	96,209	69,191	24,999		
Commodity Credit Corporation									
crop loans <u>1</u> /	700	2,562	5,069	10,986	5,571	2,308	3,700		
Net worth	202,888	341,445	239,437	155,416	44,541	-85,386	216,852		
	Ratio								
Debt/asset ratio	0	0.05	0.23	0.53	0.82	1.60	0.21		
Democratic of delta la				Percent	<u>t</u>				
Percentage of debt by debt/asset category	0	4.89	36.53	35.16	11.63	11.77	100.00		
Percentage of assets by debt/asset category	26.61	21.28	33.54	13.98	3.01	1.56	100.00		
See footnotes at end of table						<b>^</b>	a tau a d		

See footnotes at end of table.

Appendix table 39Farm operator balance sheet by land tenure, January 1,	1989Continued
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	Debt/asset ratio									
	No	0.01-	0.11-	0.41-	0.71-	Over	A11			
21-40 percent	debt	0.10	0.40	0.70	1.0	1.0	farms			
				Number						
Number of farms	38,032	27,365	50,408	18,200	8,925	1,972	144,901			
				Percent						
Percentage of farms	26.24	18.88	34.78	12.56	6.15	1.36	100.00			
			D	ollars per	farm					
Farm assets	290,679	514,713	420,798	377,988	232,209	340,550	386,298			
Land and buildings	169,862	335,357	238,934	217,246	129,304	159,319	228,455			
Farm equipment	39,164	63,034	75.801	68,042	49,786	45,574	60,786			
Livestock inventory	22,482	48,251	43,596	48.694	35,806	53,046	39,222			
Crop inventory	12,490	14,493	23,089	16,148	8,353	12,372	16,759			
Purchased inputs	1.806	2.548	4,328	2.626	1,611	5,520	2,965			
Other assets	41,423	46,564	33,927	21,339	7,350	43,178				
Utilei assets	41,425	40,504	33,927	21,339	7,550	43,170	35,189			
Farm operator debt	0	23,009	101,212	195,425	185,539	475,554	81,999			
By lender:										
Farm Credit System	0	4,750	42,647	113,446	107,335	236,911	39,817			
Commercial bank	ō	12,564	36,903	55,451	52,490	178,572	27,838			
Other	õ	5,694	21,662	26.528	25,713	60,071	14,344			
	Ű	3,004	21,002	20,520	20,710	00,071	14,544			
By original term of loan:										
Less than 1 year	0	4,730	10.233	19,415	15,464	26,703	8,208			
1-10 years	ŏ	12,088	33,273	57,030	34,130	177,270				
More than 10 years	0	6,191	57,706	118.979	135,944	271,581	25,535 48,256			
Hore than 10 years	v	0,131	57,700	110,3/3	100,044	271,301	40,200			
Commodity Credit Corporation										
crop loans <u>1</u> /	1,102	1,068	5,769	4,468	12,331	5,050	3,887			
Net worth	290,679	491,704	319,586	182,563	46,671	-135,004	304,299			
				<u>Ratio</u>						
Debt/asset ratio	0	0.04	0.24	0.52	0.80	1.40	0.21			
				Percent						
Percentage of debt by debt/asset category	0	5.29	42.93	29.93	13.93	7.89	100.00			
Percentage of assets by debt/asset category	19.74	25.16	37.89	12.28	3.70	1.19	100.00			
See footnotes at end of table.						Cor	ntinued			

Number of farms 4 Percentage of farms Farm assets 34 Land and buildings 20 Farm equipment 4 Livestock inventory 2 Crop inventory 1 Purchased inputs	No debt 19,878 34.25	0.01- 0.10 24,948 17.13	0.11- 0.40 46,343	0.41- 0.70 <u>Number</u> 18,118	0.71- 1.0 4,785	0ver 1.0	All <u>farms</u>				
Percentage of farms Farm assets 34 Land and buildings 20 Farm equipment 4 Livestock inventory 2 Crop inventory 1 Purchased inputs 0 Other assets 3 Farm operator debt		·	46,343	18,118	4,785	1 548	145 000				
Percentage of farms Farm assets 34 Land and buildings 20 Farm equipment 4 Livestock inventory 2 Crop inventory 1 Purchased inputs Other assets 3 Farm operator debt		·	46,343	-	4,785	1 548	145 000				
Farm assets34Land and buildings20Farm equipment4Livestock inventory2Crop inventory1Purchased inputs0Other assets3Farm operator debt	34.25	17.13				A, 040	145,620				
Farm assets34Land and buildings20Farm equipment4Livestock inventory2Crop inventory1Purchased inputs0Other assets3Farm operator debt	34.25	17.13		Percent							
Land and buildings20Farm equipment4Livestock inventory2Crop inventory1Purchased inputs0Other assets3Farm operator debt			31.82	12.44	3.28	1.06	100.00				
Land and buildings20Farm equipment4Livestock inventory2Crop inventory1Purchased inputs0Other assets3Farm operator debt	<u>Dollars per farm</u>										
Farm equipment4Livestock inventory2Crop inventory1Purchased inputs0Other assets3Farm operator debt	1,582	479,745	513,045	438,216	292,644	315,817	429,961				
Livestock inventory 2 Crop inventory 1 Purchased inputs Other assets 3 Farm operator debt	9,224	318,087	313,207	282,092	187.307	169.392	268,889				
Crop inventory 1 Purchased inputs Other assets 3 Farm operator debt	15,255	57,271	75,165	68,302	40,027	47,368	59,550				
Purchased inputs Other assets 3 Farm operator debt	25,280	51,130	60,506	47,762	45,614	19,501	44,323				
Other assets 3 Farm operator debt	3,435	12,430	24,099	17,243	8,401	24,111	17,079				
Farm operator debt	1,660	2,407	3,944	4,340	3,013	2,632	2,903				
•	3,126	34,501	35,009	12,329	8,282	16,044	30,375				
By lender:	0	21,545	119,241	227,941	242,031	410,932	82,321				
Farm Credit System	0	6,320	49,594	93,362	144,361	266,113	36,055				
Commercial bank	- 0	10,108	44,045	93,280	54,951	74,001	29,947				
Other	0	5,117	25,602	41,300	42,718	70,819	16,319				
By original term of loan:											
Less than 1 year	0	3,661	14,653	15,463	19,597	44,847	8,335				
1-10 years	0	8,504	35,720	53,136	60,304	95,310	22,431				
More than 10 years	0	9,380	68,869	159,342	162,130	270,775	51,556				
Commodity Credit Corporation	070	1 150	7								
crop loans <u>l</u> /	876	1,456	7,015	9,633	5,681	13,587	4,312				
Net worth 34	1,582	458,200	393,804	210,274	50,614	-95,115	347,640				
				<u>Ratio</u>							
Debt/asset ratio	0	0.04	0.23	0.52	0.83	1.30	0.19				
Demonstrate of data has				Percent	<u> </u>						
Percentage of debt by debt/asset category	0	4.48	46.09	34.45	9.66	5.30	100.00				
Percentage of assets by											
debt/asset category	27.21	19.11	37.97	12.68							

		Debt/asset ratio								
61-80 percent	No debt	0.01-0.10	0.11-0.40	0.41-0.70	0.71-	Over 1.0	All farms			
	dent	0.10	0.40		<u></u>	1.0				
				Number						
Number of farms	55,760	25,972	40,841	13,953	2,536	1,975	141,037			
				Percent						
Percentage of farms	39.53	18.41	28.95	9.89	1.79	1.40	100.00			
			De	ollars per	farm					
Farm assets	463,184	610,801	515,339	537,499	556,339	260,650	511,662			
Land and buildings	291,438	419,704	324,751	359,051	309,568	175,180	330,093			
Farm equipment	42,026	65,761	63,197	72,995	70,020	40,722	56,076			
Livestock inventory Crop inventory	38,351 7,832	53,491 15,742	62,557 20,086	54,890 19.150	146,959 12,591	27,990	51,593			
Purchased inputs	2,229	3.939	2,919	5,432	5,283	5,523 1,219	14,010 3,101			
Other assets	47,420	51,413	33,248	24,366	11,918	10,016	40,608			
Farm operator debt	0	26,789	110,285	278,738	434,532	420,412	78,146			
By lender:										
Farm Credit System	0	6,932	45,204	159,787	199,154	295,957	37,899			
Commercial bank	0	14,508	45,508	68,679	188,427	49,095	26,720			
Other	0	5,349	19,574	50,272	46,951	75,360	13,526			
By original term of loan:										
Less than 1 year	0	3,789	11,398	21,569	57,066	15,100	7,370			
1-10 years	0	12,299	31,610	67,125	71,507	40,572	19,913			
More than 10 years	0	10,701	67,277	190,044	305,960	364,739	50,863			
<b>Commodity Credit Corporation</b>										
crop loans <u>1</u> /	364	4,328	3,286	15,108	5,260	39,272	4,032			
Net worth	463,184	584,011	405,054	258,761	121,806	-159,762	433,517			
				<u>Ratio</u>						
Debt/asset ratio	0	0.04	0.21	0.52	0.78	1.61	0.15			
				Percent	<u>t</u>					
Percentage of debt by debt/asset category	0	6.31	40.86	35.28	9.99	7.53	100.00			
Percentage of assets by debt/asset category	35.78	21.98	29.16	10.39	1.95	.71	100.00			
See features at and of table						0				

See footnotes at end of table.

			n	ebt/asset	ratio		
	No	0.01-	0.11-	0.41-	0.71-	Over	A11
_ 81-99 percent	debt	0.10	0.40	0.70	1.0	1.0	farms
				<u>Number</u>			
Number of farms	46,683	28,266	28,792	7,756	1,936	3,147	116,580
•				Percent			
Percentage of farms	40.04	24.24	24.69	6.65	1.66	2.69	100.00
-							
			<u>0</u>	ollars per	tarm		
Farm assets	494,786	719,682	625,638	561,022	372,764	149,664	574,697
Land and buildings	343,466	508,322	420,386	396,347	260,494	114,639	398.398
Farm equipment	43,699	60,555	59,826	60,727	39,436	10,192	51,927
Livestock inventory	32,587	53,972	66,924	61,962	57,953	11,640	48.062
Crop inventory	6,154	12,524	19,651	13,708	8,836	1.448	11,452
Purchased inputs	1,552	3,346	4,552	4,412	1,253	154	2,876
Other assets	46,087	39,010	45,595	20,223	4,791	2,479	40,666
Farm operator debt	0	32,803	136,526	298,752	297,944	179.910	71,351
						,	/1/001
By lender:	-						
Farm Credit System	0	13,004	55,796	152,715	104,220	117,135	31,985
Commercial bank	0	10,682	45,523	90,925	91,661	30,395	22,224
Other	0	9,117	35,207	55,111	102,063	32,380	17,141
By original term of loan:							
Less than 1 year	0	2,489	14,039	8,078	1,133	1,732	4,674
1-10 years	ő	12,781	41,686	110,370			
More than 10 years	ŏ	17,533	41,000	180,304	143,273 153,539	42,161 136,017	24,254 42,423
	•	,	,	100,001	100,000	100,017	46,460
Commodity Credit Corporation							
crop loans <u>1</u> /	2,747	2,094	2,874	4,516	440	329	2,634
Net worth	494,786	686,880	489,113	262,270	74,820	-30,246	503,346
				<u>Ratio</u>			
Debt/asset ratio	0	0.05	0.22	0.53	0.80	1.20	0.12
	-		0.22	0.00	0.00	1.20	0.12
Percentage of debt by				Percent	<u>t</u>		
debt/asset category	0	11.14	47.25	27.85	6.93	6.80	100.00
Percentage of assets by							
debt/asset category	34.47	30.36	26.88	6.49	1.07	.70	100.00
See footnotes at end of table	•					Cor	tinued

			De	ebt/asset	ratio		
5-12 er men	No debt	0.01-0.10	0.11- 0.40	0.41-0.70	0.71-	0ver 1.0	All farms
Full owner	debt	0.10	0.40	0.70	1.0	1.0	
				<u>Number</u>			
Number of farms	546,666	121,960	165,389	70,982	19,674	5,886	930,557
				Percent			
Percentage of farms	58.74	13.10	17.77	7.62	2.11	0.63	100.00
			De	ollars per	farm		
Farm assets	292,541	511,453	349,327	239,010	223,253	174,977	325,033
Land and buildings	202,381	358,351	257,375	178,834	177,873	93,896	229,596
Farm equipment	16,762	52,355	28,570	23,767	18,964	23,863	24,152
Livestock inventory	11,975	21,318	24,632	18,252	14,722	31,010	16,106
Crop inventory	2,101	17,449	5,913	5,258	3,573	1,101	5,056
Purchased inputs	406	2,509	1,399	1,373	1,181	375	948
Other assets	33,654	38,091	28,048	8,074	6,701	11,711	30,579
Farm operator debt	0	18,121	76,704	126,295	178,843	283,213	31,214
By lender:	_						
Farm Credit System	0	5,650	26,436	41,134	63,505	134,130	10,768
Commercial bank	0	8,995	34,442	60,371	59,696	89,821	13,736
Other	0	3,475	15,825	24,789	55,642	59,263	6,710
By original term of loan:	_						
Less than 1 year	0	4,143	5,767	5,085	6,023	15,014	2,178
1-10 years	0	7,393	23,819	37,988	48,074	111,932	9,824
More than 10 years	0	6,586	47,119	83,222	124,747	156,267	19,212
Commodity Credit Corporation							
crop loans <u>1</u> /	88	574	1,119	2,797	444	217	550
Net worth	292,541	493,332	272,623	112,715	44,410	-108,237	293,819
				<u>Ratio</u>			
Debt/asset ratio	0	0.04	0.22	0.53	0.80	1.62	0.10
				Percen	<u>t</u>		
Percentage of debt by debt/asset category	0	7,60	43.67	30.86	12.11	5.73	100.00
ueul/asset category	U	7.00	43.0/	30.00	12.11	5.73	100.00
Percentage of assets by	52.87	20.62	19.10	5.60	1.45	.34	100.00
debt/asset category	52.0/	20.02	19.10	5.00	1.40	. 34	100.00

 $\underline{1}/$  Outstanding CCC crop loans were excluded from both assets and debt. Source: 1988 Farm Costs and Returns Survey, USDA.

			D	ebt/asset	ratio		
Farming	No debt	0.01-0.10	0.11-0.40	0.41- 0.70	0.71-	0ver 1.0	All farms
		0.10	0.40		1.0	<u>1.V</u>	1 01 1115
				<u>Number</u>			
Number of farms	440,281	165,023	234,170	96,341	29,184	17,594	982,593
				Percent			
Percentage of farms	44.80	16.79	23.83	9.80	2.97	1.79	100.00
			D	ollars per	farm		
Farm assets	363,726	603,617	509,044	417,907	314,021	201,555	439,579
Land and buildings	226,466	405,199	299,327	248,681	177,234	93,914	272,190
Farm equipment	35,001	62,369	78,371	71,051	55,916	40,939	54,195
Livestock inventory	22,504	47,142	59,969	51,939	55,040	30,229	39,561
Crop inventory	7,518	16,907	24,553	19,269	11,120	8,236	14,427
Purchased inputs	1,338	3,093	4,565	4,285	3,639	1,795	2,768
Other assets	43,343	43,675	38,113	18,461	10,781	14,831	38,235
Farm operator debt	0	25,460	115,183	218,541	253,413	316,903	66,355
By lender:							
Farm Credit System	0	8,564	47,318	104,772	122,131	162,028	29,516
Commercial bank	0	11,348	42,110	76,221	81,346	110,682	23,813
Other	0	5,548	25,755	37,549	49,935	44,193	13,026
By original term of loan:							
Less than 1 year	0	4,927	13,940	20,172	22,531	23,820	7,223
1-10 years	· 0	10,773	39,260	67,684	71,016	116,654	22,000
More than 10 years	0	9,760	61,983	130,685	159,866	176,428	37,131
Commodity Credit Corporation							
crop loans <u>l</u> /	936	2,701	5,696	9,231	6,894	9,756	3,515
Net worth	363,726	578,157	393,861	199,366	60,608	-115,348	373,225
				<u>Ratio</u>			
Debt/asset ratio	0	0.04	0.23	0.52	0.81	1.57	0.15
Demonstrate of July by				Percent	<u>t</u>		
Percentage of debt by debt/asset category	0	6.44	41.36	32.29	11.34	8.55	100.00
Percentage of assets by debt/asset category	37.07	23.06	27.59	9.32	2.12	.82	100.00
See footnotes at end of table.					,	Cor	it inued

Appendix table 40--Farm operator balance sheet by occupational specialty, January 1, 1989

Hired manager	No debt	0.01-	0.11-	<u>ebt/asset_ra</u> 0.41-		And the second se	
Hired manager	debt				0.71-	Over	
		0.10	0.40	0.70	1.0	1.0	farms
				Number			
Number of farms	9.014	2,771	2,648	1,654	d	d	17,960
	3,014	2,771	2,040	1,004	ŭ	u	17,500
				<u>Percent</u>			
Percentage of farms	50.18	15.42	14.74	9.20	d	d	100.00
			₫	lollars per f	farm		
Farm assets 3,(	017,837	2,976,541	2,126,488	273,588	d		2,339,444
Land and buildings 2,4		1,153,490	1,706,901	145,079	d	d 1	,688,685
Farm equipment	37,737	1,144,686	123,724	38,564	d	d	224,134
Livestock inventory	32,847	88,924	117,664	41,860	d	d	53,718
Crop inventory	12,548	445,886	25,844	11,906	d	d	82,224
Purchased inputs	2,780	79,135	6,685	576	d	d	14,911
Other assets	44,855	43,599	106,417	21,161	d	d	48,246
Farm operator debt	0	56,621	432,863	152,958	d	đ	112,373
By lender:							
Farm Credit System	0	4,169	112,215	29,423	d	d	31,726
Commercial bank	0	34,446	210,454	110,182	d	d	55,398
Other	0	18,007	110,194	13,352	d	d	25,250
By original term of loan:							
Less than 1 year	0	17,887	51,909	18,457	d	d	20,357
1-10 years	0	36,110	143,099	99,884	d	d	43,359
More than 10 years	0	2,624	237,856	34,617	d	d	48,657
Commodity Credit Corporation							
crop loans <u>l</u> /	2,021	596	4,489	0	d	ď	1,768
Net worth 3,0	017,837	2,919,920	1,693,625	120,631	đ	d 2	2,227,071
				<u>Ratio</u>			
Debt/asset ratio	0	0.02	0.20	0.56	d	d	0.05
				Percent			
Percentage of debt by debt/asset category	0	7.77	56.79	12.53	d	d	100.00
	-	, /	50110			ŭ	100100
Percentage of assets by debt/asset category	64.74	19.62	13.40	1.07	d	d	100.00
See footnotes at end of table.						Cor	tinued

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Appendix table 40--Farm operator balance sheet by occupational specialty, 1989--Continued

			De	ebt/asset n	ratio		
Other	No debt	0.01-0.10	0.11-0.40	0.41-0.70	0.71-	Over 1.0	All farms
other	<u>dent</u>	0.10	0.40		1.0	1.0	1 81 1115
				<u>Number</u>			
Number of farms	395,118	99,219	175,791	63,642	19,864	9,613	763,248
				Percent			
Percentage of farms	51.76	12.99	23.03	8.33	2.60	1.25	100.00
			De	ollars per	farm		
Farm assets	204,953	292,459	206,472	165,448	134,271	63,032	209,757
Land and buildings	152,624	221,627	148,730	128,918	109,726	32,401	156,090
Farm equipment	12,649	19,538	19,191	16,595	12,215	15,018	15,399
Livestock inventory	8,863 790	15,242	12,705	10,687	7,353	9,787 449	10,702
Crop inventory Purchased inputs	216	1,822 698	2,396 383	1,616 499	1,412 245	232	1,375 342
Other assets	25,604	33,238	21,888	6,331	3,319	2,380	23,261
Farm operator debt	0	12,219	45,406	87,677	106,257	98,111	23,358
By lender:							
Farm Credit System	0	3,051	12,877	20,465	34,167	42,161	6,489
Commercial bank	0	6,669	25,773	49,215	43,690	38,149	12,524
Other	0	2,499	6,756	17,997	28,399	17,801	4,345
By original term of loan:							
Less than 1 year	0	1,258	2,384	3,939	5,669	7,956	1,289
1-10 years	0	5,589	12,610	21,735	33,054	34,113	6,733
More than 10 years	0	5,372	30,411	62,003	67,533	56,042	15,336
Commodity Credit Corporation							
crop loans <u>1</u> /	24	151	380	605	149	128	175
Net worth	204,953	280,240	161,066	77,771	28,015	-35,079	186,399
				<u>Ratio</u>			
Debt/asset ratio	0	0.04	0.22	0.53	0.79	1.56	0.11
				Percent	<u>t</u>		
Percentage of debt by debt/asset category	0	6.80	44.77	31.29	11.83	5.28	100.00
Percentage of assets by debt/asset category	50.58	18.12	22.67	6.57	1.66	. 37	100.00

d = Data insufficient for disclosure. <u>1</u>/ Outstanding CCC crop loans were excluded from both assets and debt. Source: 1988 Farm Costs and Returns Survey, USDA.

			n	ebt/asset	ratio		
	No	0.01-	0.11-	0.41-	0.71-	Over	A11
Individual	debt	0.10	0.40	0.70	1.0	1.0	farms
				Number			
Number of farms	784,043	238,135	374,786	147,648	47,359	24,601	1,616,572
				Percent			
Percentage of farms	48.50	14.73	23.18	9.13	2.92	1.52	100.00
			<u>D</u>	ollars per	farm		
Farm assets	251,623	418,736	325,168	282,469	209,657	135,227	293,107
Land and buildings	172,526	296,006	202,319	180,152	133,354	67,883	195,579
Farm equipment	21,671	39,019	45,947	44,239	34,520	27,032	32,374
Livestock inventory	13,042	29,126	32,459	31,676	27,905	17,909	22,124
Crop inventory	3,504	7,423	11,908	9,849	6,256	4,587	6,706
Purchased inputs	611	1,849	2,122	2,151	1,500	1,009	1,316
Other assets	32,896	35,672	27,793	11,453	5,943	8,574	29,003
Farm operator debt	0	17,295	73,006	148,412	168,619	204,137	41,075
By lender:							
Farm Credit System	0	5,410	26,500	63,327	77,910	112,469	16.719
Commercial bank	0	8,390	32,009	60,536	57,917	62,861	16,839
Other	0	3,494	14,497	24,548	32,792	28,807	7,517
By original term of loan:							
Less than 1 year	0	2,921	7,338	12,302	12,346	14,517	3,838
1-10 years	0	7,965	24,077	43,750	49,806	67,157	13,232
More than 10 years	0	6,409	41,590	92,359	106,467	122,463	24,005
Commodity Credit Corporation							
crop loans <u>1</u> /	383	1,470	2,637	4,683	4,144	5,423	1,645
Net worth	251,623	401,441	252,162	134,058	41,038	-68,910	252,032
				<u>Ratio</u>			
Debt/asset ratio	0	0.04	0.22	0.53	0.80	1.51	0.14
Domoontage of debt by				Percent	<u>t</u>		
Percentage of debt by debt/asset category	0	6.20	41.20	33.00	12.02	7.56	100.00
Percentage of assets by debt/asset category	41.63	21.04	25.71	8.80	2.09	.70	100.00
See footnotes at end of table	•					Co	ontinued

#### Appendix table 41--Farm operator balance sheet by organizational structure, January 1, 1989

Appendix table 41Farm operator	ba lance	sheet	by	organizational	str	ucture,	January	1,	1989C	ontinued

		and the second secon		ebt/asset i			
	No	0.01-	0.11-	0.41-	0.71-	Over	A11
Partnership	debt	0.10	0.40	0.70	1.0	1.0	farms
				Number			
				1101/001			
Number of farms	44,567	19,235	25,735	9,903	2,208	1,919	103,56
				<u>Percent</u>			
Percentage of farms	43.03	18.57	24.84	9.56	2.13	1.85	100.0
			De	ollars per	farm		
Farm assets	580,487	914,273	802,286	639,155	573,636	330,781	698,43
Land and buildings	397,521	622,562	481,234	389,544	320,409	124,643	452,65
	55,390	99,897	109,393	102,439	71,937	62,357	82,050
Farm equipment							
Livestock inventory	51,346	73,611	103,801	66,221	117,845	84,055	71,96
Crop inventory	12,919	39,735	37,531	34,905	17,116	12,142	26,193
Purchased inputs	2,111	7,372	8,394	8,650	13,728	2,389	5,52
Other assets	43,169	58,275	56,852	32,862	32,601	32,554	47,96
Farm operator debt	0	43,124	180,987	335,413	450,050	500,950	103,929
By lender:							
Farm Credit System	0	17,141	82,132	151,597	203,234	186,889	45,88
Commercial bank	õ	17,172	59,440	104,124	133,549	230,954	35.04
	-					•	
Other	0	8,812	39,416	79,693	113,267	83,108	23,00
By original term of loan:							
Less than 1 year	0	7,099	22,808	26,897	66,742	49,086	11,89
1-10 years	0	12,731	59,125	112,590	103,059	269,561	35,01
More than 10 years	Ō	23,294	99,054	195,926	280,250	182,303	57,02
Commodity Credit Corporation							<b>_</b>
crop loans <u>1</u> /	2,183	2,837	11,189	19,212	2,754	18,514	6,48
Net worth	580,487	871,149	621,298	303,742	123,586	-170,170	594,50
				<u>Ratio</u>			
Debt/asset ratio	0	0.05	0.23	0.52	0.78	1.51	0.1
				Percen	t		
Percentage of debt by debt/asset category	0	7.70	43.27	30.85	9.23	8.93	100.0
Percentage of assets by	35.76	24.31	28.54	8.75	1.75	.87	100.0
debt/asset category	33.70	64.31	20.34	0.75	1.75	.0/	100.0

	<u>Debt/asset ratio</u> No 0.01- 0.11- 0.41- 0.71- Over								
Family corporation	NO debt	0.01-	0.11- 0.40	0.41- 0.70	0.71-	Over			
	Uebt	0.10	0.40	0.70	1.0	1.0	farms		
				<u>Number</u>					
Number of farms	11,641	8,309	10,625	3,538	767	956	35,83		
				Percent					
Percentage of farms	32.48	23.18	29.64	9.87	2.14	2.66	100.00		
			D	ollars per	farm				
arm assets	1,277,972	1,431,171	1,301,357	792,371	922,945	407.985	1,241,662		
Land and buildings	776,062	861,002	818,927	488,900	355,064	220,448	756.271		
Farm equipment	89,568		165,046	104,378	245,096	84,100	123,344		
Livestock inventory	77,049		134,092	96,247	178,161	58.431	106,864		
Crop inventory	24,305		67,294	46,588	71,503	15,217			
Purchased inputs	8,780		10,157	11.339			43,228		
Other assets	139,683				18,766	4,671	8,777		
other assets	139,003	111,209	89,884	44,585	54,355	20,848	103,930		
farm operator debt	0	58,626	309,392	408,207	760,711	800,610	183,276		
By lender:									
Farm Credit System	0	12,380	135,688	160,684	217,972	255,622	70,452		
Commercial bank	0		91,233	149,166	286,377	416,737	65.574		
Other	Ō		82,471	98,357	256,362	128,252	47,251		
By original term of loan:									
Less than 1 year	0	12,916	39,624	30,790	226 400	C0			
1-10 years	0	,	•		226,409	53,575	24,060		
More than 10 years	ŏ	25,487 20,223	74,699 195,069	104,712 272,705	89,285 445,016	338,649 408,385	49,343 109,873		
Commodity Credit Corporation			·	•			100,070		
crop loans <u>1</u> /	1,920	6,798	12,045	12,937	2,354	4,122	7,209		
let worth	1,277,972	1,372,545	991,964	384,164	162,234	-392,625	1,058,386		
				<u>Ratio</u>					
Debt/asset ratio	0	0.04	0.24	0.52	0.82	1.96	0.15		
anantana a <b>f</b> daha ku				Percent					
ercentage of debt by debt/asset category	0	7.41	50.04	21.99	8.88	11.65	100.00		
ercentage of assets by		26.72	31.07						
debt/asset category	33.43			6.30	1.59	. 87	100.00		

Appendix table 41--Farm operator balance sheet by organizational structure, January 1, 1989--Continued

			De	bt/asset rat	io		
	No	0.01-	0.11-	0.41-	0.71-	Over	A11
Nonfamily corporation	debt	0.10	0.40	0.70	1.0	1.0	farms
				Number			
Number of farms	3,619	1,249	1,582	547	đ	d	7,371
				Percent			
Percentage of farms	49.09	16.94	21.45	7.42	d	d	100.00
			De	ollars per fa	rm		
Farm assets	6,138,932	6,124,359	3,009,190	738,951	d		783,515
Land and buildings	5,321,284	1,937,000	2,418,052	394,863	d		511,679
Farm equipment	65,533	2,558,142	163,069	90,428	d		509,595
Livestock inventory	76,953		208,049	146,309	d		127,490
Crop inventory	35,163	1,082,234	61,180	26,146	d	d	215,987
Purchased inputs	6,776		21,929	3,859	d	d	31,562
Other assets	68,556	68,565	136,910	77,334	d	d	80,458
Farm operator debt	0	106,101	499,468	381,544	đ	d	181,363
By lender:	_						00 745
Farm Credit System	0		99,485	45,644	d	d	33,745
Commercial bank	0		283,388	293,280	d	d	101,168
Other	0	48,207	116,595	42,621	d	d	46,450
By original term of loan:							
Less than 1 year	0			60,011	d	d	19,383
1-10 years	0		283,411	226,797	d	d	103,166
More than 10 years	0	5,523	180,133	94,735	d	d	58,814
Commodity Credit Corporation					_		
crop loans <u>1</u> /	5,485	1,020	5,184	501	d	d	4,015
Net worth	6,138,932	6,018,257	2,509,722	357,407	d	d 4,	602,152
				<u>Ratio</u>			
Debt/asset ratio	0	0.02	0.17	0.52	d	d	0.04
				Percent			
Percentage of debt by debt/asset category	0	9.91	59.09	15.61	d	d	100.00
Percentage of assets by							
debt/asset category	63.00	21.68	13.49	1.14	đ	d	100.00

Appendix table 41--Farm operator balance sheet by organizational structure, January 1, 1989--Continued

d = Data insufficient for disclosure.  $\underline{1}$ / Outstanding CCC crop loans were excluded from both assets and debt. Source: 1988 Farm Costs and Returns Survey, USDA.

			D	ebt/asset	ratio		
<u>34 years or under</u>	No debt	0.01-0.10	0.11-0.40	0.41-0.70	0.71-	0ver 1.0	All farms
						1.0	1011115
				<u>Number</u>			
Number of farms	45,464	24,183	70,745	39,244	16,805	6,158	202,600
				Percent			
Percentage of farms	22.44	11.93	34.91	19.37	8.29	3.03	100.00
			De	ollars per	farm		
Farm assets	268.049	327,284	268,592	188,131	170 052	01 510	
Land and buildings	182,369	210,683	148,077	110,074	170,053	91,512	246,334
Farm equipment	30,542	40,581	48,442	35,955	96,515	32,302	148,088
Livestock inventory	19,255	32,874	35,463		32,101	31,468	39,197
Crop inventory	6,066	13,831		21,479	27,889	17,042	27,620
Purchased inputs	1.229	•	13,349	8,919	7,670	3,276	10,137
Other assets		1,544	2,489	1,714	1,835	1,025	1,845
	22,739	26,790	20,495	9,540	4,045	4,709	17,784
Farm operator debt	0	15,745	62,333	99,589	135,824	132,889	58,242
By lender:							
Farm Credit System	0	3,729	16,777	31,809	68.186	61,439	10 099
Commercial bank	Ő	7,695	27,480	46,368	35,624	47,347	19,988
Other	Ō	4,321	18,076	21,412	32,014	24,104	23,890 14,364
By original term of loan:						•	
Less than 1 year	0	2 202	7 100	0 151			
1-10 years	-	3,383	7,162	9,451	12,415	8,977	6,038
More than 10 years	0	7,526	27,902	26,180	35,737	52,997	20,288
Hore than 10 years	0	4,836	27,269	63,959	87,673	70,914	31,916
<b>Commodity Credit Corporation</b>							
crop loans <u>l</u> /	946	1,828	2,569	2,801	1,891	4,734	2,171
Net worth	268,049	311,540	206,258	88,542	34,229	-41,377	188,092
				<u>Ratio</u>			
Debt/asset ratio	0	0.05	0.23	0.53	0.80	1.45	0.24
_				Percent			
Percentage of debt by					•		
debt/asset category	0	3.22	37.37	33.12	19.34	6.93	100.00
Percentage of assets by							
debt/asset category	24.41	15.85	38.07	14.79	5.72	1.12	100.00
See footnotes at end of table.						C	ام میں م
						con	tinued

167

			the second s	ebt/asset 1			
35-44 years	No debt	0.01- 0.10	0.11- 0.40	0.41-	0.71- 1.0	0ver 1.0	All farms_
				Number			
Number of farms	102,885	52,983	107,600	50,159	14,735	10,100	338,462
				<u>Percent</u>			
Percentage of farms	30.39	15.65	31.79	14.81	4.35	2.98	100.0
			<u>,</u> De	ollars per	farm		
Farm assets Land and buildings Farm equipment Livestock inventory Crop inventory Purchased inputs Other assets	364,627 189,885 23,512 18,462 6,753 1,164 34,416	551,140 325,513 108,081 35,661 39,409 5,054 36,782	363,215 207,443 55,295 43,196 18,362 3,034 33,304	300,238 182,825 47,999 35,781 13,979 2,998 14,397	240,914 145,465 48,176 32,171 6,855 2,395 5,595	126,047 60,166 25,069 18,327 5,762 828 7,399	371,32 209,84 51,60 32,17 16,60 2,68 29,40
Farm operator debt	0	21,095	85,270	160,869	195,016	189,390	68,39
By lender: Farm Credit System Commercial bank Other	0 0 0	6,567 9,221 5,308	28,581 36,172 20,518	68,080 62,550 30,239	84,109 74,151 36,756	109,316 58,664 21,410	27,12 27,19 14,07
By original term of loan: Less than 1 year 1-10 years More than 10 years	0 0 0	3,647 8,496 8,953	7,979 26,872 50,419	10,522 53,902 96,445	16,060 62,411 116,544	16,717 61,151 111,521	5,86 22,40 40,12
Commodity Credit Corporation crop loans <u>1</u> /	471	2,626	2,818	5,162	2,605	1,966	2,38
Net worth	364,627	530,044	277,945	139,369	45,899	-63,342	302,93
				<u>Ratio</u>			
Debt/asset ratio	0	0.04	0.23	0.54	0.81	1.50	0.1
				Percen	t		
Percentage of debt by debt/asset category	0	4.82	39.63	34.85	12.41	8.26	100.0
Percentage of assets by debt/asset category	29.84	23.23	31.09	11.98	2.82	1.01	100.0

See footnotes at end of table.

	Debt/asset ratio						
	No	0.01-	0.11-	0.41-	0.71-	Over	A11
45-54 years	debt	0.10	0.40	0.70	1.0	1.0	farms
				Number			
Number of farms	154,064	70,558	116,685	41,100	13,363	5,537	401,306
	Percent						
Percentage of farms	38.39	17.58	29.07	10.24	3.32	1.37	100.00
	Dollars per farm						
Farm assets	278,616	473,183	417,469	381,725	255,019	236,903	362,397
Land and buildings	194.333	327,182	272.238	248,753	168,464	143.627	244,355
Farm equipment	25,844	49,061	56,051	57,865	35,036	45,460	42,565
Livestock inventory	16,836	38,754	37,717	43,110	34,913	21,328	30,116
Crop inventory	3,726	8,432	15,612	12,859	5,660	8,114	9,070
Purchased inputs	1.020	3.154	2,880	2,905	2,195	2,408	2,188
Other assets	30,074	33,594	31,053	14,922	8,750	8,382	28,416
Farm operator debt	0	21,714	93,577	202,655	204,317	372,667	63,727
By lender:							
Farm Credit System	0	5,571	37.046	84,857	73,559	201,082	25,666
Commercial bank	ŏ	10,682	38,229	82,656	81,038	115,700	25,754
Other	Ō	5,462	18,303	35,141	49,720	55,886	12,308
By original term of loan:							
Less than 1 year	0	2,679	8,734	21,272	16,589	29,513	6,149
1-10 years	õ	10,643	30,079	54,182	69,652	122,923	20,182
More than 10 years	ŏ	8,392	54,764	127,201	118,075	220,231	37,397
Commedity Credit Commention							
Commodity Credit Corporation crop loans 1/	592	1,752	3,869	F 220	4 222	17 202	2 500
crop idans 1/	592	1,/52	3,009	5,329	4,332	17,203	2,588
Net worth	278,616	451,469	323,891	179,071	50,702	-135,764	298,670
	Ratio						
Debt/asset ratio	0	0.05	0.22	0.53	0.80	1.57	0.18
Percentage of debt by	Percent						
debt/asset category	0	5.99	42.69	32.56	10.67	8.06	100.00
Percentage of assets by debt/asset category	29.51	22.95	33.49	10.78	2.34	.90	100.00
Son footnoton at and of table						~	

See footnotes at end of table.

55-64 years Number of farms	No debt	0.01- 0.10	0.11- 0.40	0.41- 0.70	0.71- 1.0	0ver 1.0	All farms
	-	0.10	0.40	0.70	1.0	1.0	rarms
Number of farms	225,626						
Number of farms	225,626			Number			
	220,020	76,498	80,292	24,147	4,834	4,720	416,117
				Percent			
Percentage of farms	54.22	18.38	19.29	5.80	1.16	1.13	100.00
			Dollars per farm				
Farm assets	382,180	574,091	455,350	428,801	427,555	200,196	432,747
Land and buildings	277,596	424,391	297,474	275,809	265,007	77,915	305,903
Farm equipment	30,202	49,985	56,321	61,377	53,503	26,277	40,914
Livestock inventory	19,812	35,378	40,091	47,067	62,797	44,970	28,953
Crop inventory	5,345	10,239	14,652	14,394	16,613	4,323	8,685
Purchased inputs	925	2,639	3,172	3,787	3,811	965	1,874
Other assets	35,201	47,569	34,403	17,043	25,584	26,116	36,052
Farm operator debt	0	22,432	100,602	214,770	345,908	340,687	43,881
By lender:							
Farm Credit System	0	7,798	42,071	103,700	186,769	122,958	19,134
Commercial bank	. 0	11,137	42,427	78,979	108,071	159,527	17,882
Other	0	3,497	16,103	32,092	51,068	58,201	6,866
By original term of loan:							
Less than 1 year	0	5,328	11,684	14,658	49,378	21,397	4,901
1-10 years	0	9,463	29,356	65,814	59,886	151,573	13,638
More than 10 years	0	7,640	59,562	134,298	236,644	167,717	25,342
Commodity Credit Corporation							
crop loans <u>1</u> /	423	1,883	4,528	11,968	15,677	3,292	2,363
Net worth	382,180	551,659	354,749	214,031	81,647	-140,490	388,866
				<u>Ratio</u>			
Debt/asset ratio	0	0.04	0.22	0.50	0.81	1.70	0.10
				Percent	<u>t</u>		
Percentage of debt by							
debt/asset category	0	9.39	44.23	28.40	9,15	8.80	100.00
Percentage of assets by						<b>.</b>	
debt/asset category	47.88	24.38	20.30	5.74	1.14	. 52	100.00

See footnotes at end of table.

	Debt/asset ratio						
	No	0.01-	0.11-	0.41-	0.71-	Over	A11
<u>65 years or over</u>	debt	0.10	0.40	0,70	1.0	1.0	farms
				Number			
Number of farms	316,419	42,791	37,473	6,987	d	d	405,602
				<u>Percent</u>			
Percentage of farms	78.01	10.55	9.23	1.72	d	d	100.00
			De	ollars per f	arm		
Farm assets	283,368	524,770	476,069	394,714	d	d	328,473
Land and buildings	195,619	330,927	330,042	290,397	d	d	223,797
Farm equipment	19,453	32,929	43,125	40,952	d	d	23,501
Livestock inventory	12,239	33,021	48,478	29,671	d	d	18,235
Crop inventory	3,113	9,477	8,635	7,390	d	d	4,384
Purchased inputs	500	1,622	1,619	2,434	d	d	761
Other assets	39,409	47,205	43,643	13,619	d	d	40,051
Farm operator debt	0	19,262	94,153	199,656	d	đ	15,541
By_lender:	-						3 5 4 6
Farm Credit System	Ö	7,004	44,899	113,086	d	d	7,548
Commercial bank	0	8,172	33,307	56,698	d	d	5,265
Other	0	4,085	15,947	29,872	ď	d	2,728
By original term of loan:							
Less than 1 year	0	2,706	13,306	13,983	d	d	1,804
1-10 years	0	7,605	28,303	74,714	d	d	5,142
More than 10 years	0	8,951	52,544	110,959	d	d	8,595
<b>Commodity Credit Corporation</b>							
crop loans <u>1</u> /	511	265	3,001	7,287	d	d	862
Net worth	283,368	505,508	381,917	195,059	d	d	312,932
				<u>Ratio</u>			
Debt/asset ratio	0	0.04	0.20	0.51	d	d	0.05
• • • • • • •				<u>Percent</u>			
Percentage of debt by debt/asset category	0	13.07	55.97	22.13	d	d	100.00
Percentage of assets by debt/asset category	67.29	16.85	13.39	2.07	d	d	100.00

d = Data insufficient for disclosure. <u>1</u>/ Outstanding CCC crop loans were excluded from both assets and debt. Source: 1988 Farm Costs and Returns Survey, USDA.

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