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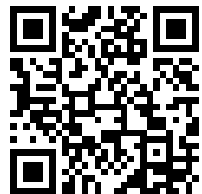
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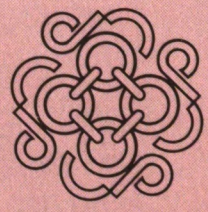


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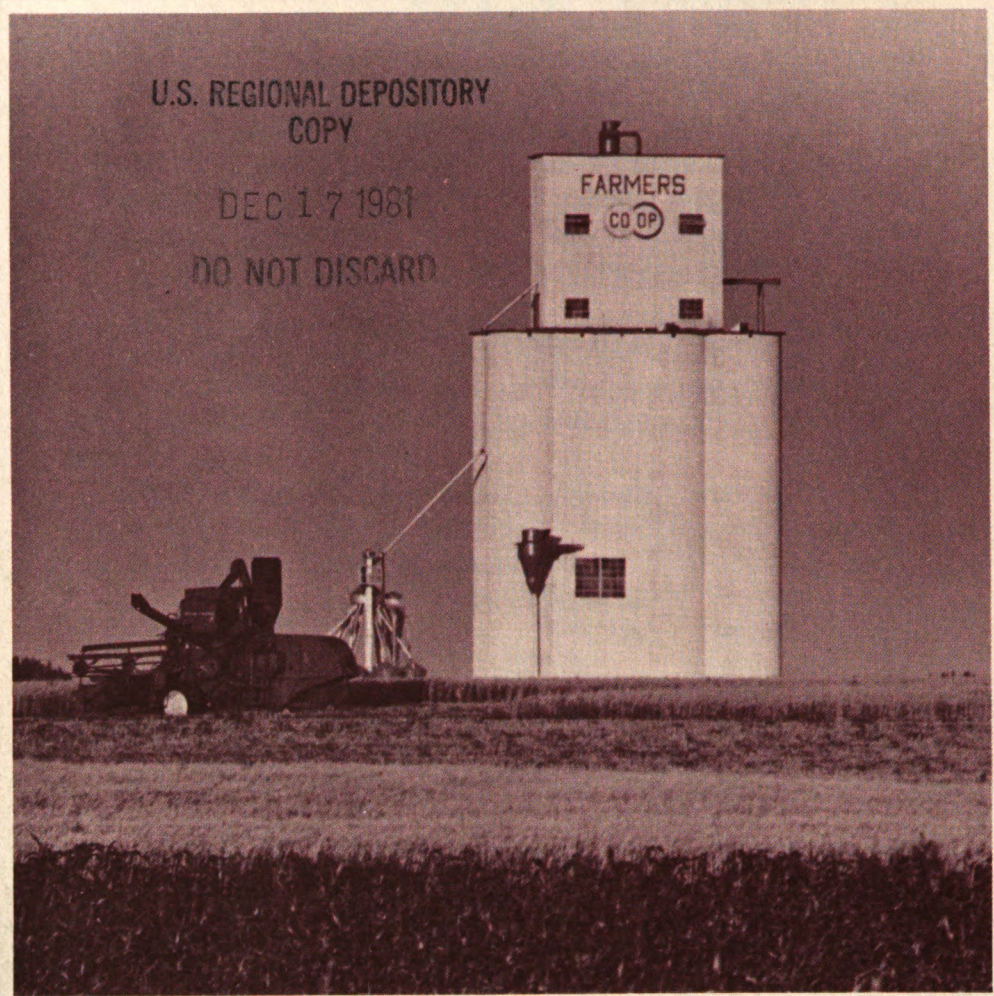
# Farmer Cooperative Statistics 1979



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**FARMER COOPERATIVE STATISTICS, 1979** by Ralph M. Richardson, Celestine C. Adams, Katherine C. DeVille, Frances E. Mahan, Elizabeth J. Simmons, and John W. Stutzman, Cooperative Management Division, Agricultural Cooperative Service, U.S. Department of Agriculture, Cooperative Information Report 1, Section 27

## **Abstract**

A survey of U.S. farmer cooperatives for calendar year 1979 showed a continuing upward trend in total business volume but a continuing decline in number of organizations and memberships. Total gross business and total net business volume are reported for 6,445 cooperatives. Business volume, number of cooperatives, and cooperative memberships are reported by commodity, by geographic region, and by State for those cooperatives classified as marketing, farm supply, and related service. A 10-year comparison shows changes in business volume, market share, and numbers. Data showing selected activities of other service organizations are also presented.

**Key words:** cooperatives, statistics, business volume, memberships



## **Preface**

Farmer cooperative statistics are collected annually to provide information on the progress and trends in cooperatives' growth and development. Many people use these statistics for various purposes such as research, technical assistance, education, planning, and public policy. Acquiring, analyzing, and disseminating farmer cooperative statistics are authorized by the Cooperative Marketing Act of 1926.

This report provides detailed information on the number, membership, and business volume of farmer cooperatives classified by geographic location and by commodity and functional type. Both gross (includes intercooperative business) and net (excludes intercooperative business) dollar volumes of cooperatives are shown.

Data are collected from individual farmer cooperatives by mail survey of organizations identified by Agricultural Cooperative Service (ACS) as meeting the requirements of the ACS definition of a farmer cooperative.

Work is in progress to convert to a stratified random sampling of a large proportion of farmer cooperatives to reduce the work of collecting and assembling data and to enable more timely publishing of statistics.

Past statistics have been reported on a fiscal year basis. Statistics for 1978 and 1979 represent the calendar year. To provide more current statistics, those for 1978 are estimated.

ACS depends on the cooperative community's response to its annual survey to develop a detailed and comprehensive set of statistics on farmer cooperatives. We appreciate the time and effort taken to provide information and the rapidity with which it is furnished.

Readers wishing earlier statistics on farmer cooperatives by U.S. dollar volume totals for detailed farm products marketed and farm supplies handled, beginning in 1950-51, may send their requests to: Agricultural Cooperative Service, U.S. Department of Agriculture, 500 12th Street, S.W. (Room 550), Washington, D.C. 20250.



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## Highlights

During calendar year 1979, marketing, farm supply, and related service cooperatives showed a continuing upward trend in business volume but a decrease in number of memberships and organizations.

Gross business volume (including intercooperative business) amounted to \$77.4 billion, a 30.1 percent increase above the \$59.5 billion for fiscal year 1977.

Net business, excluding business done among cooperatives, amounted to \$56.3 billion, up 29.1 percent from the \$43.6 billion in 1977.

Farmer cooperative numbers dropped from 6,736 in 1977 to 6,445. The loss of 291 associations reflects, in part, a continuing reorganization trend involving merger, consolidation, and acquisition. This net decrease is due also to an intensive effort by ACS to contact cooperatives that had not responded to recent surveys. In many cases, these organizations had quit operating or no longer operated as a cooperative.

Cooperative memberships of 5,757,728 in 1977 dropped to 5,627,196, a decrease of 2.3 percent.

The gross value of farm products marketed by cooperatives amounted to \$53.7 billion, a 31.5 percent increase above the gross volume of \$40.8 billion for 1977. The net value of these farm products, after eliminating duplication resulting from intercooperative business, amounted to \$41.7 billion, a 29.7 percent increase over the \$32.1 billion marketing net for 1977.

The gross value of farm supplies handled by farmer cooperatives amounted to \$22.7 billion, increasing 27.4 percent above the \$17.8 billion in 1977. The net value of these supplies, after intercooperative business was eliminated, amounted to \$13.5 billion, 28.1 percent above the \$10.6 billion in 1977.

Receipts for services related to marketing farm products and handling farm supplies amounted to \$1.1 billion, 18 percent more than 1977 receipts of \$893 million.

Iowa was the leading State in combined marketing, farm supply, and related service volume with nearly \$4.9 billion, or 8.6 percent of total net business. Minnesota ranked second with \$4.3 billion and 7.6 percent of the total. California followed closely with \$4.2 billion and 7.5 percent of the total.

Minnesota had the most cooperatives with 741. North Dakota was second with 431. Texas was third with 411.



# Farmer Cooperative Statistics, 1979

*Ralph M. Richardson, Celestine C. Adams,  
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Elizabeth J. Simmons, and John W. Stutzman*

## Definition of a Farmer Cooperative

For inclusion in the annual survey, a cooperative is defined as one that meets the following requirements:

(1) Farmers or agricultural producers hold the controlling interest in the cooperative; (2) no member of the cooperative is allowed more than one vote because of the amount of stock or membership capital owned *or* the cooperative does not pay dividends on stock or membership capital in excess of 8 percent a year, or the legal rate in the State, whichever is higher; and (3) the cooperative does not deal in products of nonmembers in an amount greater in value than it handles for its members.

This definition may result in showing a larger number of farmer cooperatives than found in lists or directories of State agencies or cooperative councils because many State cooperative statutes require both one member, one vote, and a limit on dividends on stock or membership capital. Another reason for differences in the count or number of cooperatives is that cooperatives may operate in a specific State for a considerable period of time before they are included in the national survey. This may be due to one of the following reasons: (1) Agricultural Cooperative Service (ACS) may not learn of the existence of the cooperative immediately; (2) the cooperative may not have completed and returned the initial questionnaire; or (3) no notification is received of a cooperative that quits operating.

Readers who wish to make comparisons from year to year in specific commodity groups, therefore, should keep in mind the differences in lists and classifications in State and Federal

data. For example, State agencies frequently publish directories that include credit, electric, insurance, and other types of service cooperatives not directly related to marketing farm products or purchasing production supplies.

## **Classification of Cooperatives**

Statistics are presented according to a cooperative's major function, or classification, such as marketing, farm supply, and related service cooperatives. These classifications are defined as follows:

*Marketing* cooperatives are associations whose primary business is marketing farm products for members—that is, more than 50 percent of total dollar volume was derived from the sale of members' farm products. Marketing cooperatives are further classified according to which major commodity of 13 classifications is predominant (in terms of dollar volume) in each association's business. If a cooperative consistently indicates it is handling a larger volume of a commodity than the one it was originally organized to handle, and which provided the basis for its initial classification, it is reclassified by the commodity currently representing the predominant product in its business volume.

Cooperatives first furnished data by individual commodities handled and services performed in the 1950-51 survey.<sup>1</sup> Cooperatives operating on a multi-State basis were asked to furnish information on memberships and business volumes for the individual States they served. Prior to that time, all memberships and business were credited to the States in which each association maintained its headquarters.

*Farm supply* cooperatives are those whose farm supply business accounted for more than 50 percent of total dollar volume.

Farm supply cooperatives include those handling all types of farm production supplies and equipment such as feed, seed, fertilizer, petroleum products, farmstead equipment, and building supplies. Some also handle farm home items such as heating oil, lawn and garden equipment, and food.

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<sup>1</sup>A detailed discussion of the revisions initiated in statistical methods in 1950-51 was given in *Statistics of Farmers' Marketing, Purchasing, and Service Cooperatives, 1950-51*, U.S. Dept. Agri., Farm Credit Admin., Misc. Rpt. 169, pp. 1-3.

Major functions of *related service* cooperatives are trucking, storing, drying, or similar services related to marketing or farm supply activities.

Many cooperatives handle more than one commodity and provide both marketing and farm supply facilities, as well as facilities and equipment to perform related services such as storing, drying, and trucking. These associations are classified according to the predominant commodity or function as indicated by their business volumes.

*Other types.* Additional data by geographic region and State on the number, participation, and activity service cooperatives or organizations such as rural electric cooperatives, production credit associations, rural credit unions, and dairy herd improvement associations are summarized.

## **Organizational Structures**

### **Centralized**

Most farmer cooperatives are centralized organizations. Individual farmers make up the membership. These 6,285 centralized cooperatives usually serve a local area or community, a county, or several counties. Most local associations usually perform a limited number of the first steps of marketing. In farm supply associations, practically all sales are at the retail level. A few centralized cooperatives operate over large geographic areas and have members in several States. They often provide more vertically integrated services such as processing farm products or manufacturing feed and fertilizer.

Bargaining associations usually have centralized organizational structures. These associations derive all or a major portion of business volume from negotiating with distributors, processors, and other buyers and sellers over price, quantities, grade, terms of sale, and other factors involved in marketing farm products; only a few bargain for the purchase of farm supplies. While the primary function of such an association is to bring buyers and sellers together to contract for the sale of members' products, many bargaining associations now perform additional functions. For example, dairy bargaining associations at one time generally performed only price negotiation. Now many perform additional functions, such as physically handling

a portion of the milk and making spot sales for their patrons. Bargaining associations, like other dairy marketing cooperatives, represent their members at Federal or State milk marketing order hearings.

### **Federated**

Federated cooperatives comprise two or more member associations organized to market farm products, purchase production supplies, or perform bargaining functions. Member associations often operate at points quite distant from federation headquarters. Ninety-four federated cooperatives have been identified. Individual farmers are not members of strictly federated associations, rather, they are members of cooperatives that comprise the federation—sometimes called a regional cooperative. Also, some federations are made up of regional cooperatives—often called interregional associations.

### **Mixed**

A small number of cooperatives have both individual farmer members and autonomous cooperative members. Therefore, these associations are a combination of both the centralized and federated structures. Often, these cooperatives serve large geographic areas with members in many States and provide a variety of integrated services. Sixty-six cooperatives have been identified as having a “mixed” structure.

## **Ten-Year Comparison Of Cooperative Growth**

Business volume of farmer cooperatives nearly tripled in the decade between fiscal year 1970 and calendar year 1979. Greatest growth came in the upper Middle West. As cooperatives declined in number, they grew in size and increased their importance as purchasers of supplies and marketers of products for members.

### **Business Volume Increases**

Net cooperative business, unadjusted for changes in the price level, increased from \$19.1 billion in 1970 to \$56.3 billion in 1979 (table 1).

**Table 1—Number and net volume of cooperatives handling farm products, farm supplies, and service receipts, 1970 and 1979<sup>1</sup>**

Item	1970		1979	
	Cooperatives handling	Net volume	Cooperatives handling	Net volume
	<i>No.</i>	<i>1,000 dol.</i>	<i>No.</i>	<i>1,000 dol.</i>
<b>Products marketed:</b>				
Beans and peas (dry edible) .....	59	37,459	59	103,397
Cotton and cotton products.....	554	434,069	473	1,435,538
Dairy products .....	971	5,126,314	495	11,592,363
Fruits and vegetables.....	499	1,778,026	405	3,925,330
Grain, soybeans, soybean meal and oil .....	2,539	3,005,667	2,489	14,948,459
Livestock and livestock products.....	546	2,154,102	449	5,140,517
Nuts.....	69	254,250	48	875,594
Poultry products .....	295	587,679	76	1,027,450
Rice .....	55	346,472	60	853,856
Sugar products .....	66	634,285	46	1,208,730
Tobacco.....	28	376,705	33	239,006
Wool and mohair.....	189	19,327	152	32,096
Miscellaneous .....	132	61,645	111	311,007
<b>Total farm products .....</b>	<b><sup>2</sup>5,415</b>	<b>14,816,000</b>	<b><sup>2</sup>4,433</b>	<b>41,693,349</b>
<b>Supplies purchased:</b>				
Building materials.....	2,268	156,687	2,243	486,720
Containers.....	1,044	39,399	687	111,200
Farm chemicals.....	3,721	164,979	3,877	948,498
Farm machinery and equipment .....	1,574	116,065	1,940	385,022
Feed .....	4,214	1,278,688	3,796	3,189,216
Fertilizer .....	4,294	657,145	3,972	2,754,971
Meats and groceries.....	717	82,836	485	184,311
Petroleum products .....	2,774	864,199	3,062	3,827,146
Seed.....	4,007	142,365	3,805	456,199
Other supplies .....	4,856	370,848	4,517	1,178,206
<b>Total farm supplies .....</b>	<b><sup>2</sup>6,209</b>	<b>3,873,211</b>	<b><sup>2</sup>5,212</b>	<b>13,521,489</b>
<b>Receipts for services:</b>				
Trucking, cotton ginning, storage, grinding, locker plants, miscellaneous.....	<sup>2</sup> 5,353	<sup>3</sup> 391,176	<sup>2</sup> 4,764	<sup>3</sup> 1,053,559
<b>Total business .....</b>	<b><sup>2</sup>7,790</b>	<b>19,080,387</b>	<b><sup>2</sup>4,436</b>	<b>56,268,397</b>

<sup>1</sup>Preliminary.

<sup>2</sup>Adjusted for duplication arising from multiple activities performed by many cooperatives.

<sup>3</sup>Charges for services related to marketing or purchasing but not included in the volume reported for these activities.

<sup>4</sup>Inactive cooperatives are excluded.

During this 10-year period, marketing of farm products declined from 78 to 74 percent of annual net business volume; purchases of production supplies rose from 20 to 24 percent; and related services remained about 2 percent.

Marketing volume increased from \$14.8 billion to \$41.7 billion, supplies purchased from \$3.9 billion to \$13.5 billion, and services provided from \$391 million to \$1.1 billion.

Grain, soybeans, soybean meal and oil; dairy products; fruits and vegetables; and livestock and livestock products increased from 81 percent of all products marketed in 1970 to 85 percent in 1979.

Grain, soybeans, and soybean meal and oil accounted for a substantially greater proportion of total cooperative business. Dairy products and livestock and livestock products accounted for substantially less. Fruits and vegetables showed a moderate decrease. Among lesser commodities, both rice and poultry products declined considerably.

In the farm supply group, three items—feed, petroleum products, and fertilizer—were especially important. They accounted for 72 percent of the total production supply business in both 1970 and 1979.

Considering changes in the group, however, the proportion of dollar business volume accounted for by feed declined, while the proportion accounted for by fertilizer and petroleum products increased. Farm chemicals increased in proportion, while other production supplies showed little change.

## **Volume Shifts Geographically**

In 1979, cooperatives in the East and West North Central regions<sup>2</sup> accounted for more than half of total cooperative net volume. Next in order of importance were the Pacific, West South Central, and South Atlantic regions. New England and the Mountain regions had the least net volume of cooperative business. The largest increase occurred in the West North Central region.

A comparison of the 1970 and 1979 periods indicates the proportion of marketing business increased substantially in the North Central region and to a lesser degree in the West South

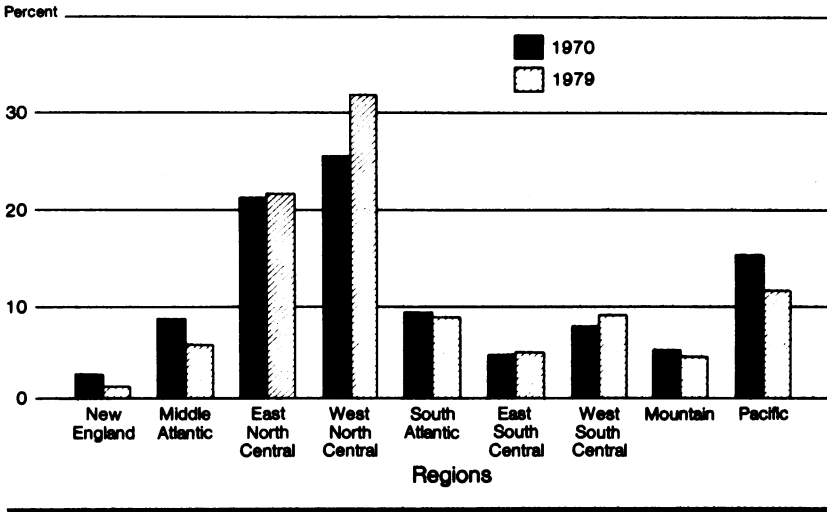
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<sup>2</sup>States within each region are identified in tables 4 and 8.



Figure 1

## Distribution of Farmer Cooperative Net Business Volume by Geographic Region, 1970 and 1979



Central and East South Central regions (figure 1). Marketing business decreased in the Pacific region.

Greatest declines of supply business occurred in the Middle Atlantic and Pacific regions. The largest increase occurred in the West North Central region.

### Market Share Greater

Cooperatives handled about 27 percent of the agricultural products marketed in 1970. This share increased to 28 percent in 1979.<sup>3</sup> Market shares for individual commodities higher than the overall average were sugar products, milk and dairy products, rice, peanuts and treenuts, grain and soybeans, and cotton and cotton products.

The proportion of farm supplies handled through cooperatives was 15 percent in 1970. This proportion increased to 19 percent, due mostly to larger volumes of fertilizer, petroleum products, and pesticides moving through cooperatives. Together with feed, these production supplies were higher than the overall average.

<sup>3</sup>Agricultural Cooperative Service, unpublished data.

## **Number of Organizations Declined**

The total number of marketing, farm supply, and related service cooperatives declined from 7,790 in 1970 to 6,445 in 1979 (table 2). The number of marketing cooperatives declined from 4,834 to 3,825 and farm supply cooperatives from 2,775 to 2,507. The number of service cooperatives declined from 181 to 113.

## **Business Size Increases**

Measured by annual gross business volume, farmer cooperatives increased in size. Although the majority of cooperatives remain small and primarily serve local areas, a growing minority are seeking regional, or even national, markets as a means of business growth and survival.

The increased size of individual cooperatives comes in part from mergers and consolidations. However, data used were not adjusted for changes in price levels and some size changes are due in part to inflationary effects.

In 1979, nearly 75 percent of all farmer cooperatives had business volumes of \$1 million or more (table 3), while the 1976<sup>4</sup> fiscal period showed slightly more than 58 percent of cooperatives had reached this business volume. The percentage of cooperatives with business volumes of \$10 million or more stood at 13 in 1979, compared with 7.7 in 1976.

However, the largest 100 cooperatives (usually operating over large geographic areas) make up an important minority of farmer cooperatives. During 1976, the largest 100 cooperatives accounted for about \$31.5 billion, or 56.4 percent of total gross business volume. By 1979, the 100 largest cooperatives accounted for \$44.9 billion in business volume, more than 58 percent of the total.

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<sup>4</sup>Comparable data not available for the 1970 fiscal period.

Table 2—Number and percentage of predominantly marketing, farm supply, and related service cooperatives, selected years, 1950-51 to 1979

Period <sup>1</sup>	Marketing		Farm supply		Related service		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1950-51	6,519	64.8	3,283	32.6	262	2.6	10,064	100.0
1955-56	6,284	63.5	3,375	34.1	235	2.4	9,894	100.0
1960-61	5,727	62.5	3,222	35.2	214	2.3	9,163	100.0
1961-62	5,626	62.2	3,206	35.5	207	2.3	9,039	100.0
1962-63	5,502	61.8	3,211	36.0	194	2.2	8,907	100.0
1963-64	5,421	61.3	3,226	36.5	200	2.2	8,847	100.0
1964-65	5,305	61.8	3,085	35.9	193	2.3	8,583	100.0
1965-66	5,194	62.4	2,949	35.4	186	2.2	8,329	100.0
1966-67	5,076	62.5	2,871	35.3	178	2.2	8,125	100.0
1967-68	4,929	62.1	2,835	35.7	176	2.2	7,940	100.0
1968-69	4,773	61.6	2,793	36.1	181	2.3	7,747	100.0
1969-70	4,834	62.1	2,775	35.6	181	2.3	7,790	100.0
1970-71	5,097	63.7	2,731	34.2	167	2.1	7,995	100.0
1971-72	4,864	62.4	2,781	35.7	152	1.9	7,797	100.0
1972-73	4,897	62.3	2,801	35.7	156	2.0	7,854	100.0
1973-74	4,822	62.2	2,778	35.8	155	2.0	7,755	100.0
1974-75	4,770	62.4	2,729	35.7	146	1.9	7,645	100.0
1975-76	4,658	61.8	2,731	36.3	146	1.9	7,535	100.0
1976-77	4,008	59.5	2,593	38.5	135	2.0	6,736	100.0
1978 <sup>2</sup>	3,930	59.6	2,550	38.6	120	1.8	6,600	100.0
1979 <sup>3</sup>	3,825	59.3	2,507	38.9	113	1.8	6,445	100.0

<sup>1</sup>For years prior to 1950-51, see appendix table 5, FCS General Report 128 in libraries.

<sup>2</sup>Previously, data for farmer cooperatives were reported on a fiscal year basis. Beginning in 1978, data are included for the calendar year. Data for 1978 are estimated.

<sup>3</sup>Preliminary.

Table 3 — Farmer cooperatives grouped by gross business volume, 1979<sup>1</sup>

Volume group	Cooperatives			Dollar volume	
	Number	Percent of total	Gross amount <sup>2</sup>	Percent of total	
Less than \$100,000	596	9.2	1,000 dol.	( <sup>3</sup> )	
\$100,000-\$999,999	1,036	16.1	9,599	.8	
\$1 million-\$4.9 million	2,913	45.2	573,626	9.4	
\$5 million-\$9.9 million	1,065	16.5	7,291,903	9.7	
\$10 million-\$24.9 million	540	8.4	7,506,794	10.3	
\$25 million-\$49.9 million	127	2.0	7,984,956	5.7	
\$50 million-\$99.9 million	67	1.0	4,390,447	6.1	
\$100 million-\$199.9 million	41	.6	4,743,547	7.4	
\$200 million-\$249.9 million	13	.2	5,693,091	3.8	
\$250 million-\$499.9 million	26	.4	2,957,139	11.5	
\$500 million-\$999.9 million	11	.2	8,901,703	10.5	
\$1,000 million and over	10	.2	8,126,990	24.8	
Total	6,445	100.0	19,212,392	100.0	
			77,392,187		

<sup>1</sup>Preliminary<sup>2</sup>Includes intercooperative volume.<sup>3</sup>Less than one-tenth of a percent.

## Number of Cooperatives

The 1979 survey accounted for 6,445 marketing, farm supply, and related service<sup>5</sup> cooperatives, compared with 6,736 in 1977.

The decrease of 291 associations was 4.3 percent less than the number in 1977. The decline in number reflected in part a continuing reorganization trend involving merger, consolidation, and acquisition. The decline was also partly due to an intensive effort to contact cooperatives that had not responded to recent surveys. In many cases, these organizations had quit operating or were no longer operating as a cooperative.

Figure 2 shows that 3,825 of the 6,445 cooperatives primarily marketed farm products, 2,507 handled farm production supplies, and 113 provided related services.

Comparison of 1979 with 1977 data shows that marketing cooperatives decreased from 59.5 to 59.3 percent of the total number of cooperatives; farm supply cooperatives increased from 38.5 to 38.9 percent; and related service cooperatives decreased slightly from 2.0 to 1.8 percent.

The percentage changes in table 2 are due to some extent to the reclassification of cooperatives because of changes in the function from which they derive the major portion of their dollar volume. The primary examples are marketing cooperatives whose major business became the sale of farm supplies, or farm supply cooperatives in which marketing took a dominant role.

In table 4, cooperatives are classified according to the business activity that consistently accounted for the largest percent of their dollar volume.

Minnesota had the most cooperatives with 741. North Dakota was second with 431, and Texas third with 411.

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<sup>5</sup>Related services include trucking, storage, grinding, drying, and similar services affecting the form, quality, or location of farm products and supplies handled by cooperatives. They do not include credit, electric, or telephone services not directly related to marketing or purchasing activities.

Table 4—Cooperative numbers and memberships, by major business activity, geographic region, and State, 1979<sup>1</sup>

Geographic region and State	Bean and pea, dry edible		Cotton and cotton products <sup>2</sup>		Dairy products		Fruit and vegetable products <sup>1</sup>	
	Co-ops with headquarters in State	Memberships <sup>3</sup>	Co-ops with headquarters in State	Memberships <sup>3</sup>	Co-ops with headquarters in State	Memberships <sup>3</sup>	Co-ops with headquarters in State	Memberships <sup>3</sup>
	<i>Number<sup>4</sup></i>							
Maine.....			1	530	7	1,950		
New Hampshire.....			2	357				
Vermont.....			7	2,927				
Massachusetts.....			2	675	1	350		
Rhode Island.....			( <sup>5</sup> )	75				
Connecticut.....			( <sup>5</sup> )	509	1	10		
New England.....			12	5,073	9	2,310		
New York.....			682	10,202	10	2,283		
New Jersey.....			2	281	11	1,454		
Pennsylvania.....			24	10,310	8	1,605		
Middle Atlantic.....			108	20,793	29	5,342		
Ohio.....			9	5,936	8	2,297		
Indiana.....			2	3,666	1	166		
Illinois.....			10	4,267	4	85		
Michigan.....	2	640	7	6,060	19	4,115		
Wisconsin.....	2	640	99	35,448	4	908		
East North Central.....			127	55,377	36	7,571		
Minnesota.....			111	34,640	1	146		
Iowa.....			17	9,985	1	14		
Missouri.....			( <sup>5</sup> )	3,790	1	64		
North Dakota.....		1	6	2,161	2	206		
South Dakota.....	( <sup>5</sup> )		4	2,476				
Nebraska.....			2	2,617				
Kansas.....	( <sup>5</sup> )	1	2	2,036	1	26		
West North Central.....			146	57,705	6	456		



Delaware.....				(5)	142	1	1,351
Maryland.....				2	1,472	2	420
Virginia.....			15	4	1,574	5	99
West Virginia.....				2	487	(5)	15
North Carolina.....			900	1	601	9	2,417
South Carolina.....			636	1	116	5	210
Georgia.....				1	810	3	185
Florida.....				6	408	49	3,763
South Atlantic.....			1,551	2	5,610	74	8,460
Kentucky.....				2	3,231	1	431
Tennessee.....			51	2	1,715	3	889
Alabama.....			268	1	561	3	1,150
Mississippi.....			4,111	2	822	3	
East South Central.....			4,430	7	6,329	7	2,470
Arkansas.....			1,502	22	723	8	1,448
Louisiana.....			1,285	7	915	4	271
Oklahoma.....			14,030	43	970		
Texas.....			70,217	243	2,010	6	1,251
West South Central.....			87,034	315	4,618	18	2,970
Montana.....		1		2	805	2	231
Idaho.....		907		1	1,559	1	1,631
Wyoming.....		1,196		(5)	65		
Colorado.....		631		5	609		
New Mexico.....							
Arizona.....				19	3,709	613	1,230
Utah.....				5	1,282	2	42
Nevada.....				(5)	826	11	2,105
Mountain.....				7	58	3	127
Washington.....		2,735		24	4,100	32	5,366
Oregon.....				4	1,362	634	7,654
California.....				10	1,258	13	1,993
Pacific.....				43	1,284	115	25,485
Subtotal.....				43	3,904	162	35,132
Alaska.....				432	163,509	373	70,077
Hawaii.....				1	18		
Foreign.....				1	22	8	486
United States.....				466	163,549	(5)	46
				432	104,399	381	70,609

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See end of table for footnote references.

Table 4—Cooperative numbers and memberships, by major business activity, geographic region, and State, 1979<sup>1</sup>—Continued

Geographic region and State	Grain <sup>7</sup>			Livestock <sup>2</sup>			Nut <sup>8</sup>			Poultry and poultry products		
	Co-ops with head-quarters in State	Member-ships <sup>3</sup>	Co-ops with head-quarters in State	Member-ships <sup>3</sup>	Co-ops with head-quarters in State	Member-ships <sup>3</sup>	Co-ops with head-quarters in State	Member-ships <sup>3</sup>	Co-ops with head-quarters in State	Member-ships <sup>3</sup>	Co-ops with head-quarters in State	Member-ships <sup>3</sup>
Maine .....												30
New Hampshire .....												2
Vermont .....												2
Massachusetts .....						170						435
Rhode Island .....												2
Connecticut .....						1						9
<b>New England</b> .....						171						480
New York .....						37,853						42
New Jersey .....						1,962						8
Pennsylvania .....						4,033						133
<b>Middle Atlantic</b> .....						43,848						183
Ohio .....	89	63,231	6	36,154								10
Indiana .....	43	124,772	3	30,341								5
Illinois .....	158	92,313	5	45,353								
Michigan .....	22	25,794	7	15,739								
Wisconsin .....	1	2,125	69	36,618								
<b>East North Central</b> .....	313	308,235	90	164,205								
Minnesota .....	204	139,745	145	98,102								15
Iowa .....	221	122,541	9	20,287								704
Missouri .....	22	20,100	68	19,895								10
<b>North Dakota</b> .....	259	95,669	20	12,424								
<b>South Dakota</b> .....	127	70,722	3	13,791								
Nebraska .....	160	92,881	5	6,152								1
Kansas .....	195	159,064	2	3,032								17
<b>West North Central</b> .....	1,188	700,722	192	173,683								10
												742

Number<sup>4</sup>



Table 4—Cooperative numbers and memberships, by major business activity, geographic region, and State, 1979<sup>1</sup>—Continued

Geographic region and State	Rice <sup>2</sup>			Sugar Products <sup>9</sup>			Tobacco			Wool and mohair		
	Co-ops with head-quarters in State	Member-ships	Co-ops with head-quarters in State	Member-ships	Co-ops with head-quarters in State	Member-ships	Co-ops with head-quarters in State	Member-ships	Co-ops with head-quarters in State	Member-ships	Co-ops with head-quarters in State	Member-ships
Maine.....												1,000
New Hampshire.....												(11)
Vermont.....												
Massachusetts.....												
Rhode Island.....												
Connecticut.....												
New England.....												
New York.....												
New Jersey.....												
Pennsylvania.....												
Middle Atlantic.....												
Ohio.....				453								1,000
Indiana.....				6								729
Illinois.....				1								300
Michigan.....				15								3,236
Wisconsin.....				65								4,265
East North Central.....				540								5,500
Minnesota.....				1,527								
Iowa.....				52								111
Missouri.....				4								1,500
North Dakota.....				996								2,291
South Dakota.....				65								9,402
Nebraska.....				1,085								6,048
Kansas.....				257								6,693
West North Central.....				3,986								250
												23
												5,050
												3,660
												1,200
												22,924

Number<sup>4</sup>

Delaware .....					1		4,160					
Maryland .....					3		16,845			16		3,211
Virginia .....					(5)		5,130			24		2,383
West Virginia .....			2		9		73,049					
North Carolina .....			1		1		17,026					
South Carolina .....			45		(5)		12,957					
Georgia .....			179		(5)		2,420					
Florida .....			227		14		131,587			40		5,594
South Atlantic .....										(5)		200
Kentucky .....			5		7		87,831					
Tennessee .....			1		9		62,031					
Alabama .....			3		(5)		225					
Mississippi .....			3									
East South Central .....		286										
Arkansas .....	2	286								(5)		200
Louisiana .....	23	22,065			16		150,087			(5)		75
Oklahoma .....	12	1,700			(5)		6					200
Texas .....	14	2,564								1		350
West South Central .....	49	26,329								(5)		100
Montana .....			177							1		725
Idaho .....			952		(5)		6			22		1,285
Wyoming .....			534							16		973
Colorado .....			2,671							7		459
New Mexico .....			401							(5)		104
Arizona .....			966									
Utah .....			5							(5)		1
Nevada .....			24							3		321
Mountain .....			407							(5)		20
Washington .....			5,011							48		3,163
Oregon .....			20							1		132
California .....			209							(5)		1
Pacific .....			2,333							1		300
Subtotal .....	4	3,077			2					2		433
Alaska .....	55	29,765								127		47,706
Hawaii .....			302									
Foreign .....			2							(5)		1
United States .....	55	29,765			33		306,239					47,707
			13,594									
			302									
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Table 4—Cooperative numbers and memberships, by major business activity, geographic region, and State, 1979<sup>1</sup>—Continued

Geographic region and State	Miscellaneous marketing <sup>12</sup>		Total marketing		Farm supply		Related service <sup>13</sup>		Total
	Co-ops with head-quarters in State	Member-ships	Co-ops with head-quarters in State	Member-ships	Co-ops with head-quarters in State	Member-ships	Co-ops with head-quarters in State	Member-ships	
Maine.....				2,510	2	6,074		11	8,584
New Hampshire.....	4	1,359	( <sup>c</sup> )	1,718				4	3,077
Vermont.....	7	2,929	1	4,325			1	22	7,276
Massachusetts.....	7	2,580	6	7,891	6	720	1	52	10,523
Rhode Island.....	( <sup>b</sup> )	77	( <sup>b</sup> )				1	30	827
Connecticut.....	1	1,599	3	3,269	3		1	38	4,906
New England.....	28	11,054	12	23,997	4	142	4	142	35,193
New York.....	1	30	104	51,139	134	91,242	3	1,177	143,558
New Jersey.....	1	40	17	4,045	7	8,965	2	73	13,083
Pennsylvania.....			60	19,317	26	53,533	3	144	72,994
Middle Atlantic.....	2	70	181	74,501	167	153,740	8	1,394	229,635
Ohio.....	1	11	117	121,652	66	61,573	3	434	183,659
Indiana.....	1	11	51	167,886	46	130,220	1	3,415	301,521
Illinois.....	2	112	180	142,243	105	165,216	7	4,204	311,663
Michigan.....	4	220	61	54,083	60	46,298	3	78	100,459
Wisconsin.....	1	12	177	79,366	219	268,387	14	232	347,985
East North Central.....	9	366	586	565,230	496	671,694	28	8,363	1,245,287
Minnesota.....	2	197	471	281,109	260	268,100	10	2,457	551,666
Iowa.....	1	485	251	160,057	134	162,392	2	310	322,759
Missouri.....			35	47,866	92	183,377	2	626	231,869
North Dakota.....			289	111,480	140	67,745	2	(11)	179,225
South Dakota.....	1	48	137	92,153	106	77,020	1	44	169,217
Nebraska.....	2	115	172	106,527	115	117,837	3	11	224,375
Kansas.....	( <sup>c</sup> )	2	200	165,627	46	41,673			207,300
West North Central.....	6	847	1,555	964,819	893	918,144	20	3,448	1,886,411



Delaware.....	1	1,495	4	9,005	4	311	5	10,500
Maryland.....	5	6,055	22	40,008	4	14	31	46,374
Virginia.....	53	36,329	56	139,169	1		110	175,512
West Virginia.....	34	10,000	23	60,335			57	70,335
North Carolina.....	26	85,438	4	49,991	4	290	34	135,719
South Carolina.....	11	25,880	10	42,570			21	68,450
Georgia.....	12	49,578	81	105,444			93	155,022
Florida.....	1	14,620	17	32,641	3	15,108	80	62,369
South Atlantic.....	2	229,395	217	479,163	12	15,723	431	724,281
Kentucky.....	25	100,466	48	151,806			73	252,272
Tennessee.....	18	75,202	84	77,755			102	152,957
Alabama.....	27	33,641	84	80,258	3	627	114	114,526
Mississippi.....	1	52,098	70	69,701	2	1,780	127	123,579
East South Central.....	2	261,407	286	379,520	5	2,407	416	643,334
Arkansas.....	1	45,435	654	53,718	1	1,663	120	100,816
Louisiana.....	47	6,529	40	11,627	5	183	92	18,339
Oklahoma.....	125	79,564	20	16,700	1	659	146	96,923
Texas.....	336	112,876	67	27,101	8	937	411	140,914
West South Central.....	2	244,404	181	109,146	15	3,442	769	356,992
Montana.....	74	24,994	69	40,722			143	65,716
Idaho.....	1	22,642	18	20,819			62	43,461
Wyoming.....	14	3,212	9	4,326			23	7,538
Colorado.....	51	22,296	32	22,556	1	5	84	44,857
New Mexico.....	(5)	5,132			1	300	23	5,432
Arizona.....	19	4,654	2	94,164			21	98,818
Utah.....	1	14,280	11	7,543			33	21,823
Nevada.....	4	136	(5)	20			4	156
Mountain.....	2	97,346	141	190,150	2	305	393	287,801
Washington.....	4	21,018	53	60,483	1	160	129	81,661
Oregon.....	1	7,988	22	54,295	1	25	60	62,308
California.....	3	51,778	33	17,633	15	929	245	70,340
Pacific.....	8	80,784	108	132,411	17	1,114	434	214,309
Subtotal.....	33	2,528,940	2,501	3,057,965	111	36,338	6,421	5,623,243
Alaska.....	1	18					1	18
Hawaii.....	3	1,527	6	2,054	2	105	23	3,686
Foreign.....	(5)	248	(5)	1			(5)	249
United States.....	36	5,042	2,507	3,060,020	113	36,443	6,445	5,627,196

## Footnotes to table 4.

<sup>1</sup>Preliminary data covering operations of cooperatives for calendar year 1979.

<sup>2</sup>Cooperatives performing specific services related to a commodity are included. Incorporated local associations of a federation that performs the actual marketing or processing are counted.

<sup>3</sup>Includes members (those entitled to vote for directors) but does not include nonvoting patrons. (There is some duplication in these membership figures because many farmers belong to more than one cooperative.)

<sup>4</sup>Includes independent local cooperatives, federations, centralized cooperatives, and cooperatives with mixed organizational structures.

<sup>5</sup>The cooperative with which this membership is affiliated has been counted in the State in which the cooperative maintains its headquarters. (Foreign members of U.S. headquartered cooperatives are in Canada.)

<sup>6</sup>Includes cooperatives temporarily inactive.

<sup>7</sup>Includes soybean marketing and processing.

<sup>8</sup>Membership of nut cooperatives that market peanuts fluctuates from year to year and is affected by the extent to which producers participate in price stabilization programs.

<sup>9</sup>Includes sugar, sugarcane, sugar beets, honey, maple syrup, molasses, and sorghum.

<sup>10</sup>Member-patrons. Number fluctuates considerably from year to year due to participation in price stabilization programs.

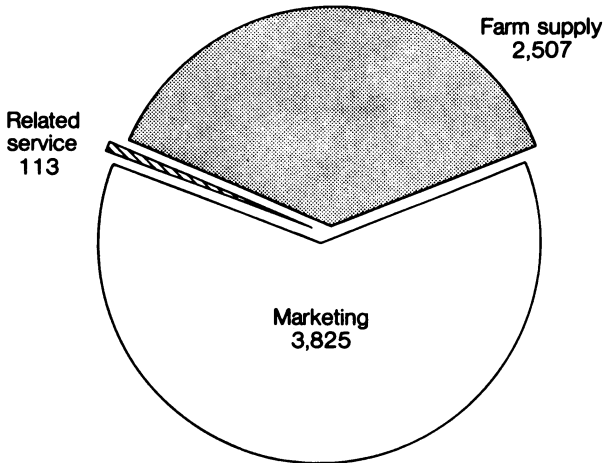
<sup>11</sup>No individual memberships or members located outside State in which cooperative headquarters is located.

<sup>12</sup>Includes forest products, hay, hops, nursery stock, coffee, and other farm products not separately classified.

<sup>13</sup>Cooperatives providing services related to marketing or purchasing activities.

Figure 2

### Number of Cooperatives, 1979



## **Number of Memberships**

Memberships in marketing, farm supply, and related service cooperatives totaled 5,627,196 in 1979, a decrease of 2.3 percent from the 5,757,728 memberships in 1977 (table 5). The long-term trend has been one of decline, reflecting, in part, the decreasing number of farmers in the United States. Many farmers were members of more than one cooperative and each membership was counted. Total membership contains duplication that cannot be eliminated with current reporting methods.

Membership figures often vary widely from year to year for cooperatives participating in price stabilization programs, particularly for cooperatives handling cotton, peanuts, or tobacco.

Classification of members is affected also by the diversity of services offered by cooperatives. For example, a member may use a cooperative to market only one of the farm products handled by the cooperative, or a member may use a cooperative classified in the marketing group only for purchasing one or more types of production supplies. The member's business with the cooperative may not, therefore, be in the group that represents the cooperative's major business volume (which determines how the cooperative is classified in this report). His membership, however, will be included arbitrarily in that classification.

Minnesota continued to lead in memberships with 551,666 (table 4). Wisconsin was second with 347,985 and Iowa was third with 322,759.

## **Business Volume**

Total gross business volume of 6,445 marketing, farm supply, and related service cooperatives amounted to \$77.4 billion (table 6). This was an increase of 30.1 percent over the \$59.5 billion gross reported in 1977.

Total net business volume of farmer cooperatives amounted to \$56.3 billion. This amount included \$41.7 billion for farm products marketed, \$13.5 billion for farm supplies purchased, and \$1.1 billion for services performed (fig. 3). The total net figure of \$56.3 billion, which excludes intercooperative busi-

ness (the difference between gross and net business volumes), represented an increase of 29.1 percent over the \$43.6 billion in 1977. However, real growth was estimated to be 4 percent.<sup>6</sup> Intercooperative business rose to \$21.1 billion from 15.9 billion in 1977.

Gross and net volumes of business for marketing, purchasing, and related service activities are shown in table 6 for selected years from fiscal 1951 through calendar 1979. Both gross and net volumes exceeded 1977 totals.

Gross volume of farm products marketed by cooperatives increased from \$40.8 billion in 1977 to \$53.7 billion, an increase of 31.5 percent. The net volume of farm products marketed amounted to \$41.7 billion and accounted for 74.1 percent of the total net volume of cooperatives. The net marketing volume represented an increase of 29.7 percent from the \$32.1 billion for 1977. Gains resulted primarily from increases in the dollar volumes reported for livestock and livestock products; and fruits and vegetables.

Figure 4 illustrates the leading products marketed by cooperatives based on net marketing business volume. Grain, soybeans, and soybean meal and oil led with 35.9 percent of total net marketing volume, followed by dairy products and livestock and livestock products.

Gross volume of all farm supplies handled by cooperatives amounted to \$22.7 billion, a 27.4 percent increase from the \$17.8 billion gross in 1977. The net farm supply volume of \$13.5 billion accounted for 24.0 percent of the total net business volume, a 28.1 percent increase over the \$10.6 billion volume in 1977. Increases in net volumes of petroleum products, feed, and fertilizer largely accounted for this rise.

As shown in figure 5, leading farm supplies handled by cooperatives in terms of net business volume were petroleum products, with 28.3 percent of the total, followed by feed and fertilizer.

Receipts for services performed by all types of cooperatives amounted to \$1.1 billion, an 18-percent increase over the 1977

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<sup>6</sup>By deflating the volume of farm products and farm supplies handled by cooperatives in 1979 by indices for farm products and processed foods and feeds and for items used for production exclusive of interest, taxes, and wages respectively, and assuming there was no real growth in related services business volume, total business volume amounted to \$45.3 billion—only a 4 percent increase over the 1977 volume.

Figure 3

### Cooperative Business Volume, 1979

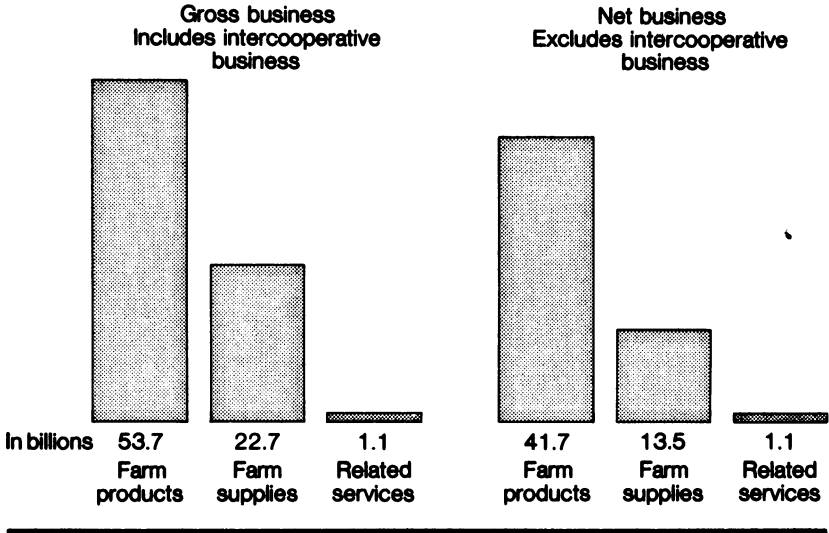
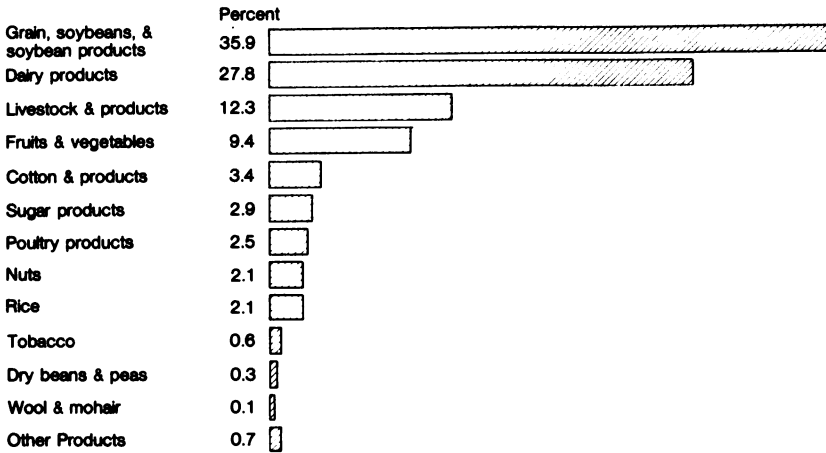


Figure 4

### Relative Importance of Major Farm Products Marketed by Cooperatives, 1979



Based on net marketing business of \$41.7 billion.

Table 5—Memberships in predominantly marketing, farm supply, and related service cooperatives, selected years, 1950-51 to 1979

Period <sup>1</sup>	Marketing		Farm supply		Related service		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1950-51	4,117,950	58.1	2,878,890	40.6	94,280	1.3	7,091,120	100.0
1955-56	4,223,260	54.6	3,443,610	44.6	64,865	0.8	7,731,735	100.0
1960-61	3,473,425	48.2	3,679,675	51.1	49,795	0.7	7,202,895	100.0
1961-62	3,420,100	48.2	3,634,690	51.2	44,190	0.6	7,098,980	100.0
1962-63	3,582,110	49.6	3,595,890	49.8	40,750	0.6	7,218,750	100.0
1963-64	3,612,535	51.0	3,425,200	48.4	41,765	0.6	7,079,500	100.0
1964-65	3,790,915	53.5	3,250,840	45.9	40,255	0.6	7,082,010	100.0
1965-66	3,635,605	53.3	3,154,490	46.2	36,180	0.5	6,826,275	100.0
1966-67	3,298,435	50.7	3,168,985	48.8	34,280	0.5	6,501,700	100.0
1967-68	3,225,185	50.0	3,186,640	49.5	33,585	0.5	6,445,410	100.0
1968-69	3,141,245	49.4	3,189,460	50.1	32,850	0.5	6,363,555	100.0
1969-70	3,102,745	48.8	3,222,435	50.7	29,800	0.5	6,354,980	100.0
1970-71	3,105,005	50.4	3,027,515	49.2	25,220	0.4	6,147,740	100.0
1971-72	3,133,505	51.0	2,991,240	48.7	21,805	0.3	6,146,550	100.0
1972-73	3,117,980	50.9	2,988,050	48.8	21,905	0.3	6,127,935	100.0
1973-74	3,111,255	51.0	2,972,455	48.7	21,820	0.3	6,105,530	100.0
1974-75	3,126,500	51.1	2,971,400	48.5	24,600	0.4	6,122,500	100.0
1975-76	2,811,858	47.6	3,056,071	51.7	38,450	0.7	5,906,379	100.0
1976-77	2,655,018	46.1	3,066,023	53.3	36,687	0.6	5,757,728	100.0
1978 <sup>2</sup>	2,595,018	45.6	3,063,000	53.8	36,500	0.6	5,694,500	100.0
1979 <sup>3</sup>	2,530,733	45.0	3,060,020	54.4	36,443	0.6	5,627,196	100.0

<sup>1</sup>For years prior to 1950-51, see appendix table 6, FCS General Report 128 in libraries.

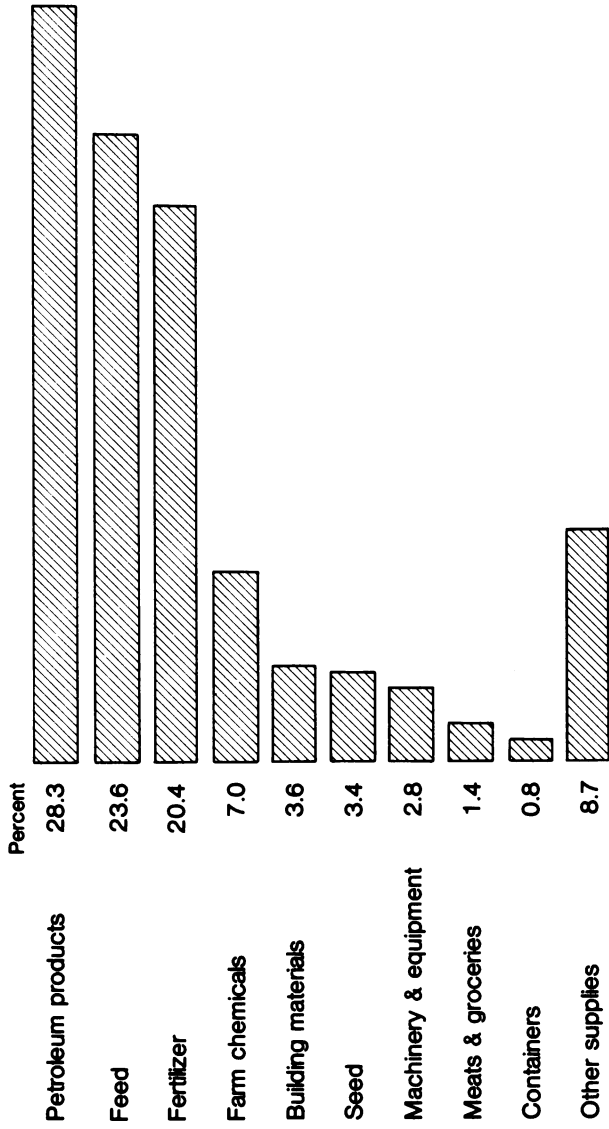
<sup>2</sup>Previously, data for farmer cooperatives were reported on a fiscal year basis. Beginning in 1978, data are included for the calendar year. Data for 1978 are estimated.

<sup>3</sup>Preliminary.



Figure 5

## Relative Importance of Major Farm Supplies Handled by Cooperatives, 1979



Based on net farm supply business of \$13.5 billion.

Table 6—Business volume of marketing, farm supply, and related service cooperatives, selected years, 1950-51 to 1979

Period <sup>1</sup>	Gross volume (includes intercooperative business)			Net volume (excludes intercooperative business)			Total
	Farm products	Farm supplies	Related services <sup>2</sup>	Farm products	Farm supplies	Related services <sup>2</sup>	
	<i>1,000 dollars</i>						
1950-51	7,984,777	2,437,521	99,958	10,522,256	6,361,766	1,685,413	8,147,137
1955-56	9,514,387	2,972,696	214,880	12,701,963	7,495,159	2,046,086	9,756,125
1960-61	12,143,722	3,744,711	305,600	16,194,033	9,631,247	2,472,286	12,409,133
1961-62	12,992,656	3,914,849	302,102	17,209,607	10,160,364	2,561,338	13,023,804
1962-63	13,893,463	4,145,263	303,281	18,342,007	10,834,165	2,704,400	13,841,846
1963-64	14,532,553	4,393,864	313,103	19,239,520	11,209,069	2,831,586	14,353,758
1964-65	14,816,217	4,495,217	315,527	19,626,961	11,516,217	2,910,188	14,741,932
1965-66	15,489,446	4,804,443	325,071	20,618,960	12,197,744	3,085,382	15,608,197
1966-67	16,265,376	5,314,427	317,570	21,897,373	12,899,762	3,339,207	16,556,539
1967-68	16,556,620	5,565,045	316,014	22,437,679	13,189,137	3,544,854	17,040,005
1968-69	16,841,051	5,643,341	350,761	22,835,153	13,420,765	3,615,271	17,386,797
1969-70	18,388,420	5,986,359	391,176	24,765,955	14,816,000	3,873,211	19,080,387
1970-71	20,118,015	6,748,989	414,299	27,281,303	15,801,872	4,339,529	20,555,700
1971-72	20,794,406	7,395,899	462,240	28,652,545	16,463,065	4,739,603	21,664,908
1972-73	25,110,374	8,841,293	502,800	34,454,467	19,573,016	5,914,962	25,990,778
1973-74	35,632,381	11,395,208	657,730	47,685,319	26,943,792	7,764,027	35,365,549
1974-75	40,313,162	13,416,013	744,477	54,473,652	31,937,363	8,660,605	41,342,445
1975-76	39,402,165	15,553,633	855,277	55,811,075	29,783,115	9,411,685	40,050,077
1976-77	40,803,827	17,790,798	892,977	59,487,602	32,133,711	10,557,465	43,584,153
1978 <sup>3</sup>	45,072,429	18,604,619	947,655	64,624,703	35,305,600	11,051,865	47,305,120
1979 <sup>4</sup>	53,668,810	22,669,818	1,053,559	77,392,187	41,693,349	13,521,489	56,268,397

Period <sup>1</sup>	Gross volume (includes intercooperative business)				Net volume (excludes intercooperative business)			
	Farm products	Farm supplies	Related services <sup>2</sup>	Total	Farm products	Farm supplies	Related services <sup>2</sup>	Total
	<i>Percent</i>							
1950-51	75.9	23.2	0.9	100.0	78.1	20.7	1.2	100.0
1955-56	74.9	23.4	1.7	100.0	76.8	21.0	2.2	100.0
1960-61	75.0	23.1	1.9	100.0	77.6	19.9	2.5	100.0
1961-62	75.5	22.7	1.8	100.0	78.0	19.7	2.3	100.0
1962-63	75.7	22.6	1.7	100.0	78.3	19.5	2.2	100.0
1963-64	75.5	22.9	1.6	100.0	78.1	19.7	2.2	100.0
1964-65	75.5	22.9	1.6	100.0	78.1	19.8	2.1	100.0
1965-66	75.1	23.3	1.6	100.0	78.1	19.8	2.1	100.0
1966-67	74.3	24.3	1.4	100.0	77.9	20.2	1.9	100.0
1967-68	73.8	24.8	1.4	100.0	77.4	20.8	1.8	100.0
1968-69	73.8	24.7	1.5	100.0	77.2	20.8	2.0	100.0
1969-70	74.2	24.2	1.6	100.0	77.7	20.3	2.0	100.0
1970-71	73.8	24.7	1.5	100.0	76.9	21.1	2.0	100.0
1971-72	72.6	25.8	1.6	100.0	76.0	21.9	2.1	100.0
1972-73	72.9	25.7	1.4	100.0	75.3	22.8	1.9	100.0
1973-74	74.7	23.9	1.4	100.0	76.2	21.9	1.9	100.0
1974-75	74.0	24.6	1.4	100.0	77.3	20.9	1.8	100.0
1975-76	70.6	27.9	1.5	100.0	74.4	23.5	2.1	100.0
1976-77	68.6	29.9	1.5	100.0	73.7	24.2	2.1	100.0
1978 <sup>3</sup>	69.7	28.8	1.5	100.0	74.6	23.4	2.0	100.0
1979 <sup>4</sup>	69.3	29.3	1.4	100.0	74.1	24.0	1.9	100.0

<sup>1</sup>For years prior to 1950-51, see appendix table 7, FCS General Report 128, in libraries. Data for prior years are not entirely comparable due to revisions in statistical procedures in 1950-51.

<sup>2</sup>Services related to marketing or supply purchasing but not included in the volumes reported for these activities.

<sup>3</sup>Previously, data for farmer cooperatives were reported on a fiscal year basis. Beginning in 1978, data are included for the calendar year. Data for 1978 are estimated.

<sup>4</sup>Preliminary.

service receipts of \$893 million. Service receipts represented 1.9 percent of total net business volume.

An estimated 68.8 percent of the 6,445 cooperatives, or 4,433 cooperatives, marketed farm products (table 7). These included 3,818 cooperatives that primarily marketed farm products; 595 cooperatives that handled farm supplies; and 20 related service cooperatives whose major services were trucking, storage, or other activities related to marketing farm products or purchasing farm supplies. Seven inactive marketing cooperatives were not included.

Farm supplies were handled by 5,212 cooperatives, 80.9 percent of the total number. Included were 2,505 cooperatives that primarily handled farm supplies; 2,668 marketing cooperatives; and 39 related service cooperatives that handled farm supplies as a sideline activity. Two inactive farm supply cooperatives were not included.

Some 4,764 cooperatives of all types, or 73.9 percent of the total, performed one or more services related to farm product marketing or farm supply purchasing. These included 113 cooperatives primarily performing service activities such as trucking, storage, drying, and similar services; 1,936 farm supply cooperatives; and 2,715 marketing cooperatives (including cotton ginning, livestock trucking, and rice- and fruit-drying cooperatives).

The survey showed that 69.9 percent of all marketing cooperatives handled one or more types of farm supplies, and 71.1 percent provided specialized related services such as cotton ginning and livestock trucking or general related services such as storage, grinding, and drying. Of the farm supply cooperatives, 23.8 percent marketed farm products, and 77.3 percent performed related services for their patrons. An estimated 17.7 percent of the related service cooperatives marketed farm products, and 34.5 percent handled farm supplies.

## **Geographic Areas**

The estimated volume of farm products marketed and farm supplies purchased by cooperatives is shown by State and geographic region in table 8. The East North Central and West North Central regions combined accounted for 53.7 percent of the total net volume of farm products marketed, and for 56.1 percent of supplies purchased.

The West North Central region, with related service receipts of \$324 million, ranked first among all regions. This represented 30.7 percent of the total volume of service receipts reported by cooperatives.

In net value of combined marketing, farm supply, and related service volume, Iowa was first with \$4.9 billion, or 8.6 percent of the total; Minnesota was second with \$4.3 billion, or 7.6 percent of the total; and California third with more than \$4.2 billion, or 7.5 percent of the total.

## **Other Service Organizations**

Other types of service cooperatives or organizations were operating in 1979 besides those directly related to marketing and farm supply purchasing. Additional statistical data are shown in table 9.

### **Federal Land Bank Associations**

Federal land bank associations totaled 505 and operated throughout the United States and the associated Commonwealth of Puerto Rico with nearly 549,000 memberships. The associations made loans of \$9.1 billion to farm members.

Texas led all States, with 12.7 percent of the total number of associations and 6.6 percent of total members. California ranked first with 7.6 percent of total loans made, and Illinois second with 7.1 percent.

The West North Central region accounted for 19 percent of total associations, 26.2 percent of total members, and for 25.6 percent of total loans.

### **Production Credit Associations**

Production credit associations, totaling 425, made loans of more than \$29 billion to 517,456 stockholders.

Texas was the leader again with 7.1 percent of total associations. North Carolina led in number of stockholders with 7.8 percent of the total, while California took over the lead in loans made with 9.1 percent.

The East North Central region accounted for 21.8 percent of association stockholders.

The 20 percent of the total number of associations situated in the West North Central region made 27.9 percent of total loans.

Table 7 — Cooperative business volume by commodity, 1979<sup>1</sup>

Commodity	Cooperatives handling		Gross volume (includes inter-cooperative business)		Net volume (excludes inter-cooperative business)	
	No.	Pct <sup>2</sup>	1,000 dol.	Pct.	1,000 dol.	Pct.
<b>Products marketed:</b>						
Beans and peas (dry edible)	59	0.9	136,231	0.2	103,397	0.2
Cotton and cotton products	473	7.3	1,738,978	2.3	1,435,538	2.6
Dairy products.....	495	7.7	12,800,087	16.5	11,592,363	20.6
Fruits and vegetables.....	405	6.3	5,563,264	7.2	3,925,330	26.6
Grain, soybeans, and soybean meal and oil .....	2,489	38.7	23,152,025	29.9	14,948,459	26.6
<b>Livestock and livestock products.....</b>	<b>449</b>	<b>7.0</b>	<b>5,525,980</b>	<b>7.1</b>	<b>5,140,517</b>	<b>9.1</b>
Nuts.....	48	0.7	875,594	1.1	875,594	1.6
Poultry products.....	76	1.2	1,152,575	1.5	1,027,450	1.8
Rice.....	60	0.9	853,856	1.1	853,856	1.5
Sugar products.....	46	0.7	1,255,352	1.6	1,208,736	2.1
Tobacco .....	33	0.5	239,541	0.3	239,006	0.4
Wool and mohair .....	152	2.4	55,847	0.1	32,096	0.1
Miscellaneous <sup>3</sup> .....	111	1.7	319,480	0.4	311,007	0.6
<b>Total farm products .....</b>	<b>4,433</b>	<b>68.9</b>	<b>53,668,810</b>	<b>69.3</b>	<b>41,693,349</b>	<b>74.1</b>

<b>Supplies purchased:</b>						
Building materials .....	2,243	34.9	577,527	0.7	486,720	0.9
Containers and packaging supplies .....	687	10.7	311,627	0.4	111,200	0.2
Farm chemicals .....	3,877	60.2	1,543,289	2.0	948,498	1.7
Farm machinery and equipment .....	1,940	30.1	675,124	0.9	385,022	0.7
Feed .....	3,796	59.0	4,821,879	6.2	3,189,216	5.7
Fertilizer .....	3,972	61.7	5,235,399	6.8	2,754,971	4.9
Meats and groceries .....	485	7.5	239,145	0.3	184,311	0.3
Petroleum products .....	3,062	47.6	6,869,756	8.9	3,827,146	6.8
Seed .....	3,805	59.1	603,883	0.8	456,199	0.8
Miscellaneous supplies <sup>5</sup> .....	4,517	70.2	1,792,189	2.3	1,178,206	2.1
<b>Total farm supplies .....</b>	<b>45,212</b>	<b>81.0</b>	<b>22,669,818</b>	<b>29.3</b>	<b>13,521,489</b>	<b>24.0</b>
<b>Services provided:</b>						
Trucking, cotton ginning, storage, grinding locker plants, miscellaneous .....	4,764	74.0	61,053,559	1.4	61,053,559	1.9
<b>Total business .....</b>	<b>76,436</b>	<b>100.0</b>	<b>77,392,187</b>	<b>100.0</b>	<b>56,268,397</b>	<b>100.0</b>

<sup>1</sup>Preliminary.

<sup>2</sup>Number of cooperatives handling each commodity group is computed as a percentage of the total number of 6,436 active cooperatives listed.

<sup>3</sup>Includes coffee, forest products, hay, hops, seed marketed for growers, nursery stock, other farm products not separately classified, and sales of farm products not received directly from member-patrons.

<sup>4</sup>Because many cooperatives do more than one type of business, these totals are fewer than the number obtained by adding the number of cooperatives handling individual items or performing individual services.

<sup>5</sup>Includes plant equipment, automotive supplies, hardware, chicks, and other supplies not separately classified.

<sup>6</sup>Charges for services related to marketing or purchasing but not included in the volume reported for those activities.

<sup>7</sup>Inactive cooperatives are not included.

Table 8—Cooperative business volume by commodity, geographic region, and State, 1979<sup>1</sup>

Geographic region and State	Beans and peas—dry edible						Cotton and cotton products						Dairy products						
	Cooperatives handling <sup>2</sup>			Value of sales			Cooperatives handling <sup>2</sup>			Value of sales			Cooperatives handling <sup>2</sup>			Value of sales			
	No.	Total operating in State	Head- quarters in State	Gross— includes interco-op business	Net— excludes interco-op business	1,000 dol.	No.	Total operating in State	Head- quarters in State	Gross— includes interco-op business	Net— excludes interco-op business	1,000 dol.	No.	Total operating in State	Head- quarters in State	Gross— includes interco-op business	Net— excludes interco-op business	1,000 dol.	
Maine .....																			
New Hampshire .....																			
Vermont .....																			
Massachusetts .....																			
Rhode Island .....																			
Connecticut .....																			
New England																			
New York .....	1	1		( <sup>3</sup> )	( <sup>3</sup> )														
New Jersey .....																			
Pennsylvania .....																			
Middle Atlantic																			
Ohio .....																			
Indiana .....																			
Illinois .....																			
Michigan .....	17	17		58,645	38,032														
Wisconsin .....																			
East North Central																			
Minnesota .....	17	17		58,645	38,032														
Iowa .....																			
Missouri .....																			
North Dakota .....	2	3		1,974	222		2	2,489	1,997										
South Dakota .....	2	2		( <sup>3</sup> )	( <sup>3</sup> )														
Nebraska .....	1	1		( <sup>3</sup> )	( <sup>3</sup> )														
Kansas .....																			
West North Central																			
	5			1,974	222			2,489	1,997										





Table 8.—Cooperative business volume by commodity, geographic region, and State, 1979<sup>1</sup>—Continued

Geographic region and State	Fruits and vegetables				Grain, soybeans, soybean meal and oil				Livestock and livestock products			
	Cooperatives handling <sup>2</sup>		Value of sales		Cooperatives handling <sup>2</sup>		Value of sales		Cooperatives handling <sup>2</sup>		Value of sales	
	Head- quarters in State	Total operating in State	Gross— includes interco-op business	Net— excludes interco-op business	Head- quarters in State	Total operating in State	Gross— includes interco-op business	Net— excludes interco-op business	Head- quarters in State	Total operating in State	Gross— includes interco-op business	Net— excludes interco-op business
No.	No.	1,000 dol.	1,000 dol.	No.	No.	1,000 dol.	1,000 dol.	No.	No.	1,000 dol.	1,000 dol.	
Maine.....	7	7	4,066	4,066	1	1	( <sup>3</sup> )	( <sup>3</sup> )				
New Hampshire.....	1	1	( <sup>3</sup> )	( <sup>3</sup> )								
Vermont.....	1	1	( <sup>3</sup> )	( <sup>3</sup> )								
Massachusetts.....	2	2	( <sup>3</sup> )	( <sup>3</sup> )								
Rhode Island.....	11	11	4,066	4,066	1	1						
Connecticut.....	12	12	155,937	155,937	30	30	35,450	35,450	4	4	85,373	85,373
New York.....	13	14	58,800	58,800	5	6	7,877	7,877	2	2	8,651	8,651
New Jersey.....	9	11	153,251	153,251	7	8	7,058	7,058	19	20	12,996	12,962
Pennsylvania.....	34	34	367,988	367,988	42	42	50,385	50,385	25	25	107,020	106,986
Middle Atlantic.....	8	9	28,662	28,662	145	147	1,537,121	845,615	9	12	319,880	306,499
Ohio.....	1	4	11,071	11,071	87	90	1,452,836	932,745	15	20	257,661	257,376
Indiana.....	4	4	2,888	2,888	199	203	3,002,536	1,941,933	5	8	528,378	517,990
Illinois.....	20	22	204,048	174,948	53	54	294,625	191,420	7	10	232,704	229,257
Michigan.....	5	9	83,109	82,125	58	59	53,484	52,240	70	72	370,945	149,540
Wisconsin.....	38	38	329,778	299,694	542	542	6,340,602	3,963,953	106	106	1,709,568	1,460,662
East North Central.....	3	4	10,575	10,575	251	256	2,186,733	1,349,230	147	150	444,400	324,492
Minnesota.....	1	2	( <sup>3</sup> )	( <sup>3</sup> )	293	300	3,598,354	2,233,219	17	25	805,278	804,558
Iowa.....	1	3	3,279	3,279	36	43	1,686,238	804,961	9	12	240,407	240,407
Missouri.....	3	3	16,583	16,583	260	263	1,353,530	858,936	22	25	48,384	40,907
North Dakota.....	3	3	( <sup>3</sup> )	( <sup>3</sup> )	133	135	458,401	304,997	5	8	34,664	32,624
South Dakota.....	3	3	2,467	2,467	186	190	1,012,569	797,257	6	9	890,488	890,488
Nebraska.....	3	3	32,904	32,904	219	223	1,865,004	1,155,978	4	8	284,942	284,942
Kansas.....	11	11	32,904	32,904	1,378	1,378	12,160,829	7,504,578	210	210	2,748,563	2,618,418
West North Central.....												

Delaware.....	1	2	(3)	(3)	2	3	11,439	10,414	412	371
Maryland.....	3	4	1,260	1,224	4	7	65,046	49,148	164	147
Virginia.....	6	6	12,369	11,973	9	9	37,426	33,665	33,659	31,599
West Virginia.....	1	1	2,850	2,736					7,828	7,634
North Carolina.....	9	11	9,941	8,805	2	3	20,338	19,716	29,511	29,080
South Carolina.....	5	6	2,963	1,863	3	8	110,623	107,736	(3)	(3)
Georgia.....	3	3	536	536	15	18	276,188	264,218	(3)	(3)
Florida.....	49	50	1,272,346	642,414	4	4	64,142	60,567	(3)	(3)
South Atlantic.....	76		1,302,265	669,551	35	35	585,202	545,464	71,574	68,831
Kentucky.....	1	2	(3)	(3)	3	4	23,855	22,611	38,723	38,297
Tennessee.....	3	4	341	341	9	14	172,842	161,607	2,627	2,627
Alabama.....	3	3	1,111	1,111	20	23	185,729	167,834	32,656	32,656
Mississippi.....					18	21	220,819	172,022	65,161	65,161
East South Central.....	7		1,452	1,452	50	34	603,245	524,074	139,167	138,741
Arkansas.....	9	11	21,378	21,378	16	18	282,219	261,351	7,885	7,885
Louisiana.....	4	4	556	556	15	19	133,871	123,579	887	887
Oklahoma.....	4	4	790	790	93	94	816,700	531,502	(3)	(3)
Texas.....	6	6	52,874	19,861	147	149	738,437	469,535	95,358	92,558
West South Central.....	23		75,598	42,585	271		1,971,227	1,385,967	104,130	101,330
Montana.....	2	2	(3)	(3)	45	47	379,356	182,623	7,657	7,249
Idaho.....	3	4	114,204	113,462	17	22	137,945	92,800	20,847	20,847
Wyoming.....	1	1	(3)	(3)	5	6	7,104	5,659	2,450	2,450
Colorado.....	13	13	25,112	14,748	33	37	248,069	160,436	188,884	188,883
New Mexico.....	2	2	(3)	(3)	2	3	14,761	9,232	(3)	(3)
Arizona.....	11	14	179,320	80,595	2	2	(3)	(3)	(3)	(3)
Utah.....	3	3	2,726	2,726	4	5	13,625	7,200	(3)	(3)
Nevada.....					1	1	(3)	(3)	(3)	(3)
Mountain.....	35		321,362	211,531	109		800,860	457,950	219,838	219,429
Washington.....	33	37	447,531	404,754	36	37	461,686	381,939	(3)	(3)
Oregon.....	13	16	198,816	181,204	17	18	113,895	94,194	(3)	(3)
California.....	116	117	2,353,211	1,586,799	7	7	16,098	16,098	(3)	(3)
Pacific.....	162		2,999,558	2,172,757	60		591,679	492,231	(3)	(3)
Subtotal.....	397		5,531,361	3,898,900	2,488		23,117,791	14,938,364	5,525,980	5,140,517
Alaska.....					1	1	(3)	(3)		
Hawaii.....	8	9	14,950	9,650						
Foreign.....	3	3	16,953	16,780						
United States.....	405		5,563,264	3,925,330	2,489	2	34,234	10,095	5,525,980	5,140,517

See end of table for footnote references.

Table 8—Cooperative business volume by commodity, geographic region, and State, 1979<sup>1</sup>—Continued

Geographic region and State	Nuts						Poultry and poultry products						Rice							
	Cooperatives handling <sup>2</sup>			Value of sales			Cooperatives handling <sup>2</sup>			Value of sales			Cooperatives handling <sup>2</sup>		Value of sales					
	No.	Total operating in State	Gross— includes interco-op business	1,000 dol.	Net— excludes interco-op business	1,000 dol.	No.	Total operating in State	Gross— includes interco-op business	1,000 dol.	Net— excludes interco-op business	1,000 dol.	No.	Head- quarters in State	Total operating in State	No.	Gross— includes interco-op business	1,000 dol.	Net— excludes interco-op business	1,000 dol.
Maine .....																				
New Hampshire .....																				
Vermont .....																				
Massachusetts .....																				
Rhode Island .....																				
Connecticut .....																				
<b>New England</b> .....																				
New York .....																				
New Jersey .....																				
Pennsylvania .....																				
<b>Middle Atlantic</b> .....																				
Ohio .....																				
Indiana .....																				
Illinois .....																				
Michigan .....																				
Wisconsin .....																				
<b>East North Central</b> .....																				
Minnesota .....																				
Iowa .....																				
Missouri .....	1	1	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	1	3	11,482	642	491				1	5,360	5,360			
North Dakota .....																				
South Dakota .....																				
Nebraska .....																				
Kansas .....																				
<b>West North Central</b> .....	1						16		159,958	112,009						5,360	5,360			5,360



Table 8—Cooperative business volume by commodity, geographic region, and State, 1979<sup>1</sup>—Continued

Geographic region and State	Sugar products						Tobacco						Wool and mohair					
	Cooperatives handling <sup>2</sup>		Value of sales		Cooperatives handling <sup>2</sup>		Value of sales		Cooperatives handling <sup>2</sup>		Value of sales		Cooperatives handling <sup>2</sup>		Value of sales			
	Head- quarters in State	Total operating in State	Gross— includes interco-op business	Net— excludes interco-op business	Head- quarters in State	Total operating in State	Gross— includes interco-op business	Net— excludes interco-op business	Head- quarters in State	Total operating in State	Gross— includes interco-op business	Net— excludes interco-op business	Head- quarters in State	Total operating in State	Gross— includes interco-op business	Net— excludes interco-op business		
Maine .....	No.	No.	1,000 dol.	1,000 dol.	No.	No.	1,000 dol.	1,000 dol.	No.	No.	1,000 dol.	1,000 dol.	No.	No.	1,000 dol.	1,000 dol.		
New Hampshire .....																		
Vermont .....																		
Massachusetts .....																		
Rhode Island .....																		
Connecticut .....																		
New England .....																		
New York .....																		
New Jersey .....																		
Pennsylvania .....																		
Middle Atlantic .....																		
Ohio .....	2	2	( <sup>3</sup> )	107	1	1	107	107	1	1	107	107	2	2				
Indiana .....																		
Illinois .....																		
Michigan .....																		
Wisconsin .....																		
East North Central .....	2	2	1,173	1,173	1	1	( <sup>3</sup> )	( <sup>3</sup> )	1	1	1,558	1,588	5	5	3,427	1,435		
Minnesota .....	3	5	241,985	214,933														
Iowa .....	1	1	( <sup>3</sup> )	( <sup>3</sup> )														
Missouri .....																		
North Dakota .....	1	3	109,826	96,298														
South Dakota .....																		
Nebraska .....	2	5	47,429	47,429														
Kansas .....																		
West North Central .....	7	3	413,540	372,293														
West North Central .....																		

Delaware.....	1	1	( <sup>2</sup> )	19	19	2,677	2,676
Maryland.....	3	8	17,008	31	31	597	597
Virginia.....		1	187				
West Virginia.....		14	104,014				
North Carolina.....	1	12	8,512				
South Carolina.....	1	1,386	3,730				
Georgia.....	4	94,567	622				
Florida.....	4	95,973	134,073	50		3,274	3,273
South Atlantic.....	1	( <sup>3</sup> )	62,686	9	1	93	93
Kentucky.....	1	16	28,412	11			
Tennessee.....	1	16					
Alabama.....	1	16					
Mississippi.....	1	16					
East South Central.....	1	32	91,098	16		93	93
Arkansas.....	1	40					
Louisiana.....	13	128,831	128,831		1	62	62
Oklahoma.....	1	( <sup>3</sup> )			1	( <sup>3</sup> )	( <sup>3</sup> )
Texas.....	2	128,871	128,871		1	249	249
West South Central.....	14				2	( <sup>3</sup> )	( <sup>3</sup> )
Montana.....	3	21,341	21,341		3	311	311
Idaho.....	2	34,606	34,606		22	1,214	1,214
Wyoming.....	2	4,071	4,071		21	1,472	1,472
Colorado.....	1	50,217	49,015		9	6,763	4,771
New Mexico.....	1	100	100		3	957	293
Arizona.....	1	667	667				
Utah.....	6	12,069	12,069		4	4,987	2,199
Nevada.....	1	137	137		2	159	159
Mountain.....	13	123,208	122,006		52	15,552	10,108
Washington.....	1	867	867		1	( <sup>3</sup> )	( <sup>3</sup> )
Oregon.....	2	( <sup>3</sup> )	( <sup>3</sup> )		2	( <sup>3</sup> )	( <sup>3</sup> )
California.....	3	5428,296	5424,129		3	5,104	2,183
Pacific.....	4	429,163	424,996		4	5,104	2,183
Subtotal.....	45	1,252,922	1,206,306	33	152	55,825	32,074
Alaska.....							
Hawaii.....	1	( <sup>5</sup> )			1	22	22
Foreign.....	1	2,430	2,430				
United States.....	46	1,255,352	1,208,736	33	152	55,847	32,096

See end of table for footnote references.

Table 8—Cooperative business volume by commodity, geographic region, and State, 1979<sup>1</sup>—Continued

Geographic region and State	Total farm products marketed										Building materials					
	Miscellaneous marketing <sup>6</sup>					Total farm products marketed					Building materials					
	Cooperatives handling <sup>2</sup>		Value of sales		Net—excludes interco-op business	Cooperatives handling <sup>2</sup>		Value of sales		Net—excludes interco-op business	Cooperatives handling <sup>2</sup>		Value of sales			
No.	Total operating in State	Gross—includes interco-op business	1,000 dol.	No.		Total operating in State	Gross—includes interco-op business	1,000 dol.	No.		Total operating in State	Gross—includes interco-op business	1,000 dol.	No.	Total operating in State	Gross—includes interco-op business
Maine .....																
New Hampshire .....																
Vermont .....																
Massachusetts .....																
Rhode Island .....																
Connecticut .....																
<b>New England</b>																
New York .....	5	5	4,877	4,877	134	139	1,121,829	986,429	124	124	27,804	19,690	124	124	27,804	19,690
New Jersey .....	2	3	265	265	20	28	115,175	114,050	6	7	11,599	7,756	6	7	11,599	7,756
Pennsylvania .....	4	5	2,401	2,401	69	85	958,537	878,297	19	22	43,881	27,654	19	22	43,881	27,654
<b>Middle Atlantic</b>																
Ohio .....	5	5	698	698	173	186	2,249,205	1,521,983	104	104	9,366	9,366	104	104	9,366	9,366
Indiana .....	11	11	1,624	1,624	95	115	1,991,883	1,458,720	78	78	45,843	33,070	78	78	45,843	33,070
Illinois .....	2	2	( <sup>3</sup> )	( <sup>3</sup> )	221	235	3,962,995	2,881,116	120	122	27,698	27,464	120	122	27,698	27,464
Michigan .....	6	6	3,837	3,837	92	103	1,343,571	1,133,189	55	56	19,260	18,985	55	56	19,260	18,985
Wisconsin .....	4	4	1,613	1,613	236	255	2,667,190	2,326,580	119	121	7,692	6,219	119	121	7,692	6,219
<b>East North Central</b>																
Minnesota .....	11	11	6,861	6,861	507	528	4,505,700	3,202,089	126	127	33,648	30,884	126	127	33,648	30,884
Iowa .....	4	4	3,212	3,212	320	344	4,923,419	3,525,294	196	200	88,512	83,078	196	200	88,512	83,078
Missouri .....	1	1	( <sup>3</sup> )	( <sup>3</sup> )	48	73	2,267,222	1,362,514	84	84	15,404	13,339	84	84	15,404	13,339
North Dakota .....	3	4	566	566	292	303	1,599,158	1,072,212	98	102	34,444	34,107	98	102	34,444	34,107
South Dakota .....	2	2	( <sup>3</sup> )	( <sup>3</sup> )	141	151	618,531	430,805	90	92	18,832	18,246	90	92	18,832	18,246
Nebraska .....	3	3	12,717	12,717	198	215	2,095,275	1,862,391	121	124	21,655	18,576	121	124	21,655	18,576
Kansas .....	2	3	523	523	225	242	2,328,175	1,609,007	137	138	23,900	20,733	137	138	23,900	20,733
<b>West North Central</b>																
West North Central .....	26		23,879	23,878	1,731		18,337,480	13,064,312	852		236,395	218,963	852		236,395	218,963



Delaware.....	1	1	(3)	3	9	24,155	23,071	4	7	2,441	2,014
Maryland.....			(3)	10	19	290,875	261,560	23	25	7,020	6,166
Virginia.....			(3)	61	73	466,416	451,131	52	53	8,621	8,621
West Virginia.....	2	2	(3)	34	45	60,287	58,908	20	22	2,098	2,098
North Carolina.....			(3)	29	44	411,127	399,593	3	3	1,217	1,217
South Carolina.....			(3)	13	29	161,502	156,973	10	11	1,204	554
Georgia.....	1	1	(3)	26	35	958,165	941,894	79	79	11,625	5,285
Florida.....	1	1	(3)	60	72	1,828,883	1,187,638	12	14	1,424	669
South Atlantic.....	5		(3)	236		4,201,410	3,480,768	203		35,650	26,624
Kentucky.....			(3)	26	40	368,246	358,973	46	47	6,805	6,805
Tennessee.....	2	2	(3)	28	43	367,875	351,221	60	60	11,490	11,490
Alabama.....	2	2	(3)	46	57	599,127	580,541	54	56	6,101	2,908
Mississippi.....	2	2	(3)	69	78	621,575	545,989	48	48	2,012	1,697
East South Central.....	6		(3)	169		1,956,823	1,836,724	208		26,408	22,900
Arkansas.....	2	2	(3)	69	84	743,002	712,047	36	36	5,864	5,864
Louisiana.....			(3)	51	63	454,477	442,340	12	13	1,156	972
Oklahoma.....	3	3	499	134	143	1,249,479	928,050	65	66	6,999	5,944
Texas.....	1	2	(3)	359	370	2,331,569	1,854,925	42	43	2,731	2,145
West South Central.....	6		499	613		4,778,527	3,937,362	155		16,750	14,925
Montana.....			(3)	75	83	426,080	228,395	38	39	5,079	5,079
Idaho.....	3	5	4,488	46	62	459,584	405,846	17	19	3,108	3,108
Wyoming.....			(3)	16	26	33,099	28,392	9	9	498	498
Colorado.....	1	1	(3)	59	70	632,166	520,844	35	36	6,669	5,848
New Mexico.....			(3)	22	28	46,836	36,442	4	4	39	39
Arizona.....			(3)	19	27	539,480	439,827	2	3	1,451	812
Utah.....	1	1	(3)	23	27	303,699	259,330	6	6	2,063	2,063
Nevada.....	1	1	(3)	4	11	18,242	18,242	1	1	(3)	(3)
Mountain.....	6		4,493	264		2,459,186	1,937,318	112		18,907	17,447
Washington.....	5	5	11,813	78	87	1,452,548	1,047,457	28	28	5,579	5,579
Oregon.....	6	7	7,729	44	52	566,478	507,885	22	23	4,549	4,549
California.....	9	9	41,644	210	217	4,754,475	3,895,385	23	23	3,742	2,417
Pacific.....	20		61,186	332		6,773,501	5,450,725	73		13,870	12,545
Subtotal.....	108		141,018	4,417		53,417,028	41,465,127	2,238		577,439	486,685
Alaska.....			(3)	1	1			1	1	(3)	(3)
Hawaii.....	3	3	4,922	15	18	24,625	19,325	4	4	88	35
Foreign.....			173,540	165,458	9	227,157	194,763				
United States.....	111		319,480	311,007	4,433	53,668,810	41,693,349	2,243		577,527	486,720

See end of table for footnote references.

Table 8—Cooperative business volume by commodity, geographic region, and State, 1979<sup>1</sup>—Continued

Geographic region and State	Containers and packaging supplies						Farm chemicals						Farm machinery and equipment					
	Cooperatives handling <sup>2</sup>			Value of sales			Cooperatives handling <sup>2</sup>			Value of sales			Cooperatives handling <sup>2</sup>			Value of sales		
	No.	Total operating in State	Gross—includes interco-op business	Net—excludes interco-op business	Head- quarters in State	Total operating in State	No.	Total operating in State	Gross—includes interco-op business	Net—excludes interco-op business	Head- quarters in State	Total operating in State	No.	Total operating in State	Gross—includes interco-op business	Net—excludes interco-op business	Head- quarters in State	Total operating in State
Maine.....	2	3	2,311	2,242	3	5	3	2,665	2,246	1	1	1	3	4,345	3,322	1	3	4,345
New Hampshire.....		2	87	45		3	3	883	653		3	1	1	1,232	690		1	1,232
Vermont.....	1	3	589	450	1	3	3	2,840	2,078	2	2	3	3	4,125	2,318		3	4,125
Massachusetts.....	4	5	492	388	5	7	3	3,137	2,437	3	5	3	5	3,673	1,993		3	3,673
Rhode Island.....		2	32	18		3	3	309	231		3	1	1	411	230		1	411
Connecticut.....		2	143	73		5	2	1,497	1,115		1	1	2	( <sup>c</sup> )	( <sup>c</sup> )		2	( <sup>c</sup> )
New England.....	7		3,654	3,216	11	11	11	11,331	8,760	7	7	7	7	13,786	8,553		7	13,786
New York.....	10	10	982	718	132	133	133	18,617	14,296	123	123	123	125	32,048	19,723		125	32,048
New Jersey.....	10	11	2,429	2,304	12	13	13	4,456	3,771	6	6	6	7	5,361	3,734		7	5,361
Pennsylvania.....	14	17	3,058	2,189	28	32	32	15,263	11,240	20	20	25	25	23,352	12,942		25	23,352
Middle Atlantic.....	34		6,469	5,211	172	172	172	38,336	29,307	149	149	149	149	60,761	36,399		149	60,761
Ohio.....	14	14	4,565	4,565	144	145	145	65,425	38,238	89	89	89	90	27,336	18,366		90	27,336
Indiana.....	3	4	104	55	83	86	86	77,514	44,545	56	56	61	61	27,080	14,842		61	27,080
Illinois.....	11	12	1,054	1,018	171	173	173	100,504	95,888	97	97	101	101	27,434	18,647		101	27,434
Michigan.....	15	17	2,651	2,130	67	69	69	26,193	16,649	21	21	24	24	11,648	7,438		24	11,648
Wisconsin.....	17	20	666	483	197	202	202	58,914	30,489	97	97	102	102	39,281	25,548		102	39,281
East North Central.....	60		9,040	8,251	662	662	662	328,550	225,809	360	360	360	360	132,779	84,841		360	132,779
Minnesota.....	21	23	1,235	947	423	424	424	132,484	78,942	164	164	164	167	56,017	32,830		167	56,017
Iowa.....	10	14	832	691	319	324	324	203,799	120,924	111	111	111	117	43,049	19,712		117	43,049
Missouri.....	1	6	282	158	103	105	105	68,599	37,794	77	77	77	82	44,307	31,384		82	44,307
North Dakota.....	8	9	285	277	291	296	296	29,583	15,388	101	101	105	105	23,256	16,524		105	23,256
South Dakota.....	3	3	15	15	168	171	171	27,389	14,723	61	61	64	64	15,763	8,604		64	15,763
Nebraska.....	6	7	63	45	215	218	218	84,676	42,557	93	93	97	97	33,445	10,912		97	33,445
Kansas.....	4	6	309	242	190	192	192	73,033	31,786	88	88	90	90	43,464	15,823		90	43,464
West North Central.....	53		3,021	2,375	1,709	1,709	1,709	619,563	342,114	695	695	695	695	259,301	135,789		695	259,301

Delaware.....	1	3	101	87	4	8	3,147	2,164	4	7	1,645	1,354
Maryland.....	2	3	67	39	23	25	11,359	7,735	23	26	9,605	8,719
Virginia.....	9	10	232	232	55	57	20,807	13,351	44	47	18,368	10,023
West Virginia.....	11	12	58	58	24	26	4,156	2,797	20	24	2,198	2,022
North Carolina.....	3	4	509	509	6	7	15,479	13,696	2	4	9,789	4,276
South Carolina.....	2	3	505	505	11	13	8,730	7,419	9	12	1,511	841
Georgia.....	3	3	675	675	81	82	30,368	16,659	78	80	13,375	4,000
Florida.....	11	12	68,828	4,781	37	39	12,722	11,139	19	21	4,354	3,580
South Atlantic.....	42		70,975	6,886	241		106,768	74,960	199		60,845	34,815
Kentucky.....	4	6	130	130	51	54	15,745	11,367	47	50	6,909	6,375
Tennessee.....	3	5	199	199	84	86	41,086	20,854	41	44	10,534	7,791
Alabama.....	4	5	345	345	81	85	35,073	14,918	64	69	7,125	4,272
Mississippi.....	26	27	1,246	1,246	72	73	88,285	64,456	40	42	9,902	4,639
East South Central.....	37		1,920	1,920	288		180,189	111,595	192		34,470	23,077
Arkansas.....	23	26	2,040	1,971	62	66	51,691	31,252	34	36	15,373	6,018
Louisiana.....	6	7	225	225	38	42	37,039	18,846	16	19	8,325	3,219
Oklahoma.....	48	49	1,915	907	94	95	20,262	6,581	39	40	12,602	3,395
Texas.....	237	239	18,973	17,318	231	234	49,388	33,171	88	90	11,312	6,138
West South Central.....	314		23,153	20,421	425		158,380	89,850	177		47,612	18,770
Montana.....	5	5	2,039	2,039	87	89	9,004	3,938	31	33	4,233	2,189
Idaho.....	6	6	71	71	24	27	6,809	4,276	15	17	2,778	1,756
Wyoming.....	1	1	( <sup>1</sup> )	( <sup>1</sup> )	8	8	1,350	1,350	2	3	156	156
Colorado.....	9	9	1,787	700	50	51	20,562	9,340	25	26	9,901	2,400
New Mexico.....	17	17	622	622	5	5	299	299	3	3	99	99
Arizona.....	3	6	5,335	5,038	4	6	1,088	838	2	3	3,049	2,740
Utah.....	2	2	( <sup>2</sup> )	( <sup>2</sup> )	10	12	3,834	1,704	3	5	1,823	345
Nevada.....	1	1	( <sup>1</sup> )	( <sup>1</sup> )								
Mountain.....	44		9,854	8,470	188		42,946	21,745	81		22,039	9,685
Washington.....	25	25	17,379	8,547	67	69	21,454	15,656	39	41	16,976	12,931
Oregon.....	8	9	478	424	38	41	11,533	8,962	17	20	17,340	16,199
California.....	54	54	164,679	44,699	65	67	23,265	19,137	19	21	6,670	2,342
Pacific.....	87		182,536	53,670	170		56,252	43,755	75		40,986	31,472
Subtotal.....	678		310,841	110,505	3,866		1,542,315	947,895	1,935		675,068	384,986
Alaska.....						1			1	1	( <sup>3</sup> )	( <sup>3</sup> )
Hawaii.....	9	9	580	547	11	11	925	583	4	4	56	36
Foreign.....		1	206	148			1	49	20			
United States.....	687		311,627	111,200	3,87		1,543,289	948,498	1,940		675,124	385,022

See end of table for footnote references.

Table 8—Cooperative business volume by commodity, geographic region, and State, 1979<sup>1</sup>—Continued

Geographic region and State	Feed						Fertilizer						Meats and groceries					
	Cooperatives handling <sup>2</sup>			Value of sales			Cooperatives handling <sup>2</sup>			Value of sales			Cooperatives handling <sup>2</sup>			Value of sales		
	No.	Total operating in State	Gross—includes interco-op business	1,000 dol.	Net—excludes interco-op business	1,000 dol.	No.	Total operating in State	Gross—includes interco-op business	1,000 dol.	Net—excludes interco-op business	1,000 dol.	No.	Total operating in State	Gross—includes interco-op business	1,000 dol.	Net—excludes interco-op business	1,000 dol.
Maine .....	5	8	37,766	22,110	4,431	4	5	7,618	4,311	1	2	2	2	4,311	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
New Hampshire .....		3	24,442	13,294	2,404		2	4,794	2,404					2,404				
Vermont .....	2	4	74,991	39,323	6,466	2	3	12,043	6,466	1	1	1	1	6,466	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
Massachusetts .....	5	7	44,052	30,442	3,837	4	5	7,024	3,837	1	2	2	2	3,837	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
Rhode Island .....	3	3	4,744	2,513	802	2	2	1,599	802					802				
Connecticut .....	3	6	47,355	33,978	4,014	2	4	7,998	4,014					4,014				
New England .....	15	15	233,350	141,660	21,954		4	41,076	21,954					21,954				
New York .....	127	130	218,403	180,940	42,266	131	132	60,230	42,266	5	6	6	6	42,266	4,557	1,315	2,458	325
New Jersey .....	7	8	33,857	22,711	11,440	12	13	19,408	11,440	1	1	1	1	11,440	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
Pennsylvania .....	22	26	197,972	116,227	46,289	25	26	83,736	46,289					46,289	2,951	1,286	1,611	1,286
Middle Atlantic .....	156	156	450,232	319,878	99,995	168	168	163,374	99,995	6	6	6	6	99,995	7,508	1,611	1,611	1,611
Ohio .....	149	151	145,907	100,872	94,476	150	151	168,309	94,476	7	8	8	8	94,476	3,995	1,315	2,458	325
Indiana .....	86	89	134,833	91,392	133,537	87	90	268,469	133,537	3	5	5	5	133,537	4,772	2,458	2,458	2,458
Illinois .....	220	223	171,634	141,641	240,768	165	167	470,872	240,768	12	13	13	13	240,768	2,715	655	655	655
Michigan .....	70	75	58,860	48,630	45,321	72	76	75,000	45,321	12	14	14	14	45,321	8,015	5,028	5,028	5,028
Wisconsin .....	194	200	222,764	165,536	116,757	188	192	204,712	116,757	73	75	75	75	116,757	27,252	18,612	18,612	18,612
East North Central .....	719	719	733,998	548,071	630,859	662	662	1,187,362	630,859	107	107	107	107	630,859	46,749	28,068	28,068	28,068
Minnesota .....	426	428	319,316	189,556	223,884	453	456	636,369	223,884	139	139	139	139	223,884	26,714	16,279	16,279	16,279
Iowa .....	326	331	515,391	305,046	277,210	322	328	475,719	277,210	17	19	19	19	277,210	3,069	1,505	1,505	1,505
Missouri .....	108	112	254,439	166,501	163,192	106	110	283,031	163,192	66	67	67	67	163,192	23,515	18,469	18,469	18,469
North Dakota .....	256	260	29,431	19,114	61,297	301	306	118,410	61,297	23	24	24	24	61,297	3,582	2,927	2,927	2,927
South Dakota .....	169	175	99,376	66,383	45,588	163	167	85,208	45,588	8	9	9	9	45,588	20,797	20,769	20,769	20,769
Nebraska .....	240	245	203,759	96,947	136,545	229	232	246,357	136,545	16	18	18	18	136,545	8,004	8,004	8,004	8,004
Kansas .....	217	220	347,752	184,757	126,721	215	217	217,564	126,721	20	20	20	20	126,721	86,039	68,311	68,311	68,311
West North Central .....	1,742	1,742	1,769,464	1,028,304	1,034,437	1,789	1,789	2,062,658	1,034,437	289	289	289	289	1,034,437	86,039	68,311	68,311	68,311

Delaware.....	4	7	15,042	9,719	4	6	15,019	9,358	2	2	(3)	(3)
Maryland.....	24	26	51,018	34,699	23	25	39,477	26,803	5	6	9,873	6,233
Virginia.....	57	60	112,994	90,808	57	58	140,683	51,643	1	1	(3)	(3)
West Virginia.....	21	24	20,336	15,696	22	23	12,559	8,847	1	2	(3)	(3)
North Carolina.....	4	6	90,827	83,854	4	4	27,087	27,087	1	2	(3)	(3)
South Carolina.....	10	12	15,727	15,177	13	15	18,753	15,397	1	2	(3)	(3)
Georgia.....	81	83	137,571	110,472	82	84	104,428	50,290	10	10	9,873	6,233
Florida.....	17	20	75,902	64,701	37	41	133,026	40,047	1	2	(3)	(3)
South Atlantic.....	218		519,417	425,126	242		491,032	229,472	1	2	(3)	(3)
Kentucky.....	49	50	51,256	36,303	51	53	45,433	33,472	1	1	395	7
Tennessee.....	84	86	154,773	85,447	85	88	134,582	60,674	2	3	840	78
Alabama.....	87	90	112,771	80,733	87	91	153,870	76,500	3	4	1,270	85
Mississippi.....	67	70	46,389	42,641	74	74	158,335	88,212	4	5	1,097	279
East South Central.....	287		365,189	245,124	297		492,220	258,858	3	4	852	852
Arkansas.....	51	56	85,262	41,651	65	68	110,851	62,902	2	3	2,445	2,445
Louisiana.....	39	44	101,468	25,980	45	50	72,705	33,709	2	2	516	516
Oklahoma.....	122	127	102,663	50,424	117	118	85,152	50,731	6	6	370	31
Texas.....	177	180	99,974	64,109	194	197	121,638	73,621	22	22	4,183	3,813
West South Central.....	389		389,367	182,164	421		390,346	220,963	9	10	8,547	7,108
Montana.....	58	60	17,028	9,977	86	88	41,547	22,040	4	6	2,207	2,151
Idaho.....	19	24	20,423	18,152	21	23	22,301	12,548	1	1	1,081	1,053
Wyoming.....	11	12	4,767	4,486	6	6	2,247	2,247	2	2	2,329	1,483
Colorado.....	51	53	83,300	44,365	52	53	45,253	25,959	3	3	852	852
New Mexico.....	4	6	2,405	2,003	8	8	1,849	1,849	3	3	2,445	2,445
Arizona.....	2	3	8,196	4,924	4	8	19,979	18,282	2	2	516	516
Utah.....	9	12	38,579	37,086	8	10	22,171	5,657	8	8	(3)	(3)
Nevada.....	1	1	(3)	(3)	1	1	(3)	(3)	1	1	(3)	(3)
Mountain.....	155		174,698	120,993	186		155,347	88,582	1	1	370	31
Washington.....	60	65	57,458	53,372	70	73	78,230	43,073	2	2	4,183	3,813
Oregon.....	27	32	48,342	45,862	36	39	49,766	21,616	22	22	8,547	7,108
California.....	25	28	74,026	72,339	75	76	116,916	102,122	9	10	2,207	2,151
Pacific.....	112		179,826	171,573	181		244,912	166,811	4	6	1,056	266
Subtotal.....	3,793		4,821,879	3,189,216	3,958		5,228,473	2,752,077	6	7	11,810	9,525
Alaska.....	1	1	(3)	(3)	1	1	(3)	(3)	19	19	239,145	184,311
Hawaii.....	2	2	(3)	(3)	13	13	4,567	1,766	484	484	(3)	(3)
Foreign.....					1	1	2,359	1,128	1	1	239,145	184,311
United States.....	3,796		4,821,879	3,189,216	3,972		5,235,399	2,754,971	1	1	239,145	184,311

See end of table for footnote references.

Table 8—Cooperative business volume by commodity, geographic region, and State, 1979<sup>1</sup>—Continued

Geographic region and State	Petroleum products						Seed						Miscellaneous supplies <sup>8</sup>					
	Cooperatives handling <sup>2</sup>		Value of sales		Cooperatives handling <sup>2</sup>		Value of sales		Cooperatives handling <sup>2</sup>		Value of sales		Cooperatives handling <sup>2</sup>		Value of sales			
	No.	Total operating in State	Gross—includes interco-op business	Net—excludes interco-op business	No.	Total operating in State	Gross—includes interco-op business	Net—excludes interco-op business	No.	Total operating in State	Gross—includes interco-op business	Net—excludes interco-op business	No.	Total operating in State	Gross—includes interco-op business	Net—excludes interco-op business		
		1,000 dol.	1,000 dol.			1,000 dol.	1,000 dol.			1,000 dol.	1,000 dol.			1,000 dol.	1,000 dol.			
Maine .....	3	5	32,628	18,952	3	4	2,070	1,172	4	6	11,578	7,597						
New Hampshire .....	1	3	27,593	12,531		3	1,212	672	1	4	5,274	3,076						
Vermont .....	1	3	39,367	18,843	2	4	4,093	2,298	2	4	17,632	10,304						
Massachusetts .....	3	5	39,542	18,937	5	6	3,514	2,244	5	7	15,725	9,486						
Rhode Island .....	2	2	11,434	5,972		3	415	235		3	1,795	1,062						
Connecticut .....	2	4	13,230	6,363	2	5	2,053	1,154	3	6	9,408	5,744						
New England .....	10		163,794	81,598	12		13,357	7,775	15		61,412	37,269						
New York .....	121	122	575,703	275,875	129	132	15,726	11,906	143	144	101,265	63,583						
New Jersey .....	6	7	115,519	51,139	10	12	4,335	2,719	10	12	18,624	12,029						
Pennsylvania .....	20	24	381,934	201,972	28	31	18,293	10,860	36	43	81,536	44,154						
Middle Atlantic .....	147		1,073,156	528,986	167		38,354	25,485	189		201,425	119,766						
Ohio .....	94	95	163,640	114,153	148	149	37,931	24,200	155	158	60,856	36,918						
Indiana .....	75	78	277,833	194,982	87	88	13,804	10,737	87	94	37,858	19,231						
Illinois .....	114	117	269,448	247,350	204	205	35,878	35,616	214	218	40,837	27,589						
Michigan .....	59	62	84,236	57,846	69	71	10,577	8,482	90	96	41,562	29,833						
Wisconsin .....	198	203	455,136	259,925	184	188	17,738	13,566	265	269	114,723	76,061						
East North Central .....	540		1,250,293	874,256	692		115,928	92,601	811		295,836	189,614						
Minnesota .....	276	278	620,783	349,036	407	408	31,497	24,363	538	540	138,846	79,394						
Iowa .....	247	252	644,084	358,730	317	320	39,744	30,108	348	355	62,715	44,983						
Missouri .....	96	99	264,780	165,697	105	107	35,874	28,983	108	113	32,272	22,050						
North Dakota .....	168	173	252,629	132,038	260	264	10,644	8,825	359	364	64,596	41,669						
South Dakota .....	136	141	283,893	145,117	162	165	6,657	5,535	224	228	48,389	34,087						
Nebraska .....	192	197	382,169	207,482	123	125	6,614	3,745	260	266	60,772	42,360						
Kansas .....	207	209	489,297	186,862	191	195	10,717	8,761	221	224	77,331	54,791						
West North Central .....	1,322		2,937,635	1,544,962	1,565		141,747	110,320	2,058		484,921	319,340						

Delaware.....	4	13,791	9,476	4	7	2,660	1,801	4	8	6,954	5,906
Maryland.....	23	56,284	39,743	23	25	9,611	6,651	25	27	23,781	21,108
Virginia.....	49	79,691	54,739	56	56	15,253	11,521	58	61	66,533	44,367
West Virginia.....	20	20,277	13,805	21	22	3,328	2,311	24	29	8,080	7,608
North Carolina.....	2	27,420	26,541	8	8	8,629	8,629	5	7	36,874	22,143
South Carolina.....	4	7,538	7,538	11	13	4,559	3,929	13	16	10,087	7,716
Georgia.....	76	6,331	4,859	81	81	17,658	11,515	82	84	44,126	13,399
Florida.....	14	5,316	5,046	20	22	3,309	2,539	23	25	8,318	4,976
<b>South Atlantic</b> .....	188	216,648	161,747	224		65,007	48,896	234		204,753	127,223
Kentucky.....	48	66,858	46,002	51	52	12,983	9,704	51	55	27,203	25,681
Tennessee.....	83	63,450	38,207	86	87	18,776	16,919	87	89	69,581	36,076
Alabama.....	56	14,738	13,646	87	90	27,599	15,834	88	93	32,458	12,006
Mississippi.....	52	22,733	16,916	73	76	27,345	17,455	74	76	24,428	15,016
<b>East South Central</b> .....	239	167,779	114,771	297		96,703	59,912	300		153,670	88,779
Arkansas.....	49	62,349	40,716	63	67	17,442	10,216	61	64	37,742	23,641
Louisiana.....	24	8,307	5,071	41	48	21,312	13,652	42	47	20,336	14,854
Oklahoma.....	103	129,811	45,810	120	123	7,090	6,387	128	130	25,827	18,422
Texas.....	160	107,975	58,019	309	312	27,985	25,983	253	255	93,833	89,562
<b>West South Central</b> .....	336	308,442	149,616	533		73,829	56,238	484		177,738	146,479
Montana.....	85	117,264	65,924	51	53	3,056	2,205	105	107	37,739	27,550
Idaho.....	25	67,618	37,073	26	29	4,574	4,149	30	33	18,043	12,948
Wyoming.....	11	12,687	12,687	7	7	402	402	11	11	2,812	2,812
Colorado.....	45	116,596	66,321	51	52	3,552	2,394	62	64	24,845	18,392
New Mexico.....	4	528	528	7	8	268	268	12	12	738	738
Arizona.....	2	189	187	9	9	1,273	1,211	4	6	11,175	6,757
Utah.....	9	15,191	4,896	8	9	2,009	1,690	12	14	13,999	8,273 <sup>(3)</sup>
Nevada.....				1	1			1	1		
<b>Mountain</b> .....	181	330,073	187,616	160		15,134	12,319	237		109,351	77,474
Washington.....	53	118,329	87,302	47	49	12,536	12,111	82	85	39,456	24,643
Oregon.....	24	86,532	55,968	28	31	8,514	8,089	38	42	30,822	25,410
California.....	18	21,831	1,189	75	76	22,609	22,290	59	61	31,525	20,946
<b>Pacific</b> .....	95	226,692	144,459	150		43,659	42,490	179		101,803	70,999
Subtotal.....	3,058	6,674,512	3,788,011	3,800		603,837	456,155	4,507		1,791,599	1,176,633
Alaska.....				1	1			1	1		
Hawaii.....	4	153	117	4	4	46	44	9	9	590	573
Foreign.....	1	195,091	39,018								
<b>United States</b> .....	3,062	6,869,756	3,827,146	3,805		603,883	456,199	4,517		1,792,189	1,178,206

See end of table for footnote references.

Table 8—Cooperative business volume by commodity, geographic region, and State, 1979<sup>1</sup>—Continued

Geographic region and State	Cooperatives handling <sup>2</sup>				Value of sales				Services				Total	
	Cooperatives handling <sup>2</sup>		Value of sales		Cooperatives handling <sup>2</sup>		Receipts <sup>9</sup>		Number of cooperatives		Volume		Net—excludes interco-op business	
	Head- quarters in State	Total operating in State	Gross— interco-op business	Net— interco-op business	Head- quarters in State	Total operating in State	Head- quarters in State	Total operating in State	Head- quarters in State	Total operating in State	Gross— interco-op business	Net— interco-op business		
No.	No.	\$,000 dol.	\$,000 dol.	No.	No.	No.	No.	No.	No.	\$,000 dol.	\$,000 dol.	\$,000 dol.		
Maine .....	6	9	107,195	66,094	4	6	2,471	11	17	134,428	91,812			
New Hampshire .....	1	4	68,886	35,453	1	3	604	4	12	100,117	64,412			
Vermont .....	4	6	167,010	89,140	4	5	1,803	9	16	393,357	305,639			
Massachusetts .....	6	8	126,368	75,786	3	4	1,100	14	20	270,501	213,480			
Rhode Island .....		3	21,863	11,760	1	3	752	1	6	35,673	24,813			
Connecticut .....	3	6	89,372	57,089	2	3	973	5	14	154,037	114,557			
<b>New England</b> .....	20		580,694	335,322	15		7,703	44		1,088,113	814,713			
New York .....	155	160	1,055,335	629,322	143	147	20,300	241	255	2,197,464	1,636,051			
New Jersey .....	18	21	215,607	117,622	18	21	2,718	26	36	333,500	234,390			
Pennsylvania .....	46	56	851,976	474,813	44	49	10,572	89	109	1,821,085	1,363,682			
<b>Middle Atlantic</b> .....	219		2,122,918	1,221,757	205		33,590	356		4,352,049	3,234,123			
Ohio .....	169	174	687,330	442,469	160	164	34,534	186	208	2,971,069	1,998,986			
Indiana .....	92	102	888,110	544,831	92	100	24,792	98	125	2,904,785	2,028,343			
Illinois .....	263	269	1,148,074	836,636	232	238	66,804	292	314	5,177,873	3,784,556			
Michigan .....	101	109	338,002	240,342	88	97	20,346	124	141	1,701,919	1,393,877			
Wisconsin .....	281	291	1,148,878	713,196	246	255	42,467	410	435	3,858,535	3,082,243			
<b>East North Central</b> .....	906		4,210,394	2,777,474	818		188,943	1,110		16,614,181	12,288,005			
Minnesota .....	576	581	1,996,909	1,026,115	505	512	64,885	741	766	6,567,494	4,293,089			
Iowa .....	373	385	2,076,914	1,241,987	358	367	85,105	387	418	7,085,438	4,852,386			
Missouri .....	113	127	1,022,503	647,567	38	47	7,194	129	161	3,296,919	2,017,275			
North Dakota .....	398	404	566,860	332,166	362	369	23,389	431	447	2,189,407	1,427,767			
South Dakota .....	237	244	585,880	338,656	208	212	16,999	244	260	1,221,410	786,460			
Nebraska .....	281	290	1,060,307	579,938	268	275	57,379	290	314	3,212,961	2,499,708			
Kansas .....	240	246	1,291,371	638,486	235	240	68,957	246	269	3,688,503	2,316,450			
<b>West North Central</b> .....	2,218		8,600,744	4,804,915	1,974		323,908	2,468		27,262,132	18,193,135			



Delaware.....	5	60,800	41,879	5	9	830	5	14	85,785	65,780
Maryland.....	26	271,470	214,911	27	32	3,359	31	45	565,704	479,830
Virginia.....	64	473,055	291,538	68	73	6,697	110	125	946,168	749,366
West Virginia.....	33	73,093	55,245	31	38	1,124	57	72	134,504	115,277
North Carolina.....	12	220,469	187,966	15	17	5,537	34	51	637,133	593,096
South Carolina.....	15	68,614	59,076	15	19	2,818	21	38	232,934	218,867
Georgia.....	84	367,515	217,158	81	83	2,200	93	108	1,327,880	1,161,252
Florida.....	45	313,199	137,478	48	51	45,393	80	98	2,187,475	1,370,509
South Atlantic.....	284	1,848,215	1,205,251	290		67,958	431		6,117,583	4,753,977
Kentucky.....	52	233,359	175,876	55	64	5,683	73	87	607,288	540,532
Tennessee.....	88	514,866	277,657	87	95	5,430	102	123	888,171	634,308
Alabama.....	94	390,115	221,169	78	80	6,364	114	133	995,606	808,074
Mississippi.....	101	381,515	252,356	96	98	15,012	127	145	1,018,102	813,357
East South Central.....	335	1,519,855	927,058	316		32,489	416		3,509,167	2,796,271
Arkansas.....	83	389,711	224,510	77	83	29,038	120	147	1,161,751	965,595
Louisiana.....	56	270,873	116,528	44	48	8,307	92	110	733,657	567,175
Oklahoma.....	138	392,472	188,752	139	145	37,173	146	163	1,679,124	1,153,975
Texas.....	376	534,890	371,119	366	369	128,788	411	431	2,995,247	2,354,832
West South Central.....	653	1,587,946	900,909	626		203,306	769		6,569,779	5,041,577
Montana.....	114	237,841	141,793	95	100	6,314	143	157	670,235	376,502
Idaho.....	39	148,170	96,526	26	33	7,415	62	82	615,169	509,787
Wyoming.....	14	26,299	26,018	14	15	1,189	23	34	60,587	55,599
Colorado.....	68	312,981	176,235	66	71	11,230	84	98	956,377	708,309
New Mexico.....	19	6,921	6,519	20	24	4,739	23	32	58,496	47,700
Arizona.....	10	51,735	40,789	8	11	7,788	21	36	599,003	488,404
Utah.....	16	100,205	61,781	11	13	7,194	33	42	411,098	328,305
Nevada.....	2	( <sup>c</sup> )	( <sup>c</sup> )	2	3	299	4	13	18,656	
Mountain.....	282	884,152	549,661	242		46,168	393		3,389,621	2,533,262
Washington.....	107	375,944	270,322	92	94	49,292	129	145	1,877,784	1,367,071
Oregon.....	45	260,083	189,230	41	43	23,591	60	75	850,152	720,706
California.....	127	466,319	287,747	131	133	75,346	245	256	5,282,594	4,260,930
Pacific.....	279	1,102,346	747,299	264		148,229	434		8,026,530	6,348,707
Subtotal.....	5,196	22,459,833	13,472,215	4,750		1,052,294	6,421		76,929,155	56,003,770
Alaska.....	1	( <sup>c</sup> )	( <sup>c</sup> )	1	1	( <sup>f</sup> )	1	1	( <sup>f</sup> )	( <sup>f</sup> )
Hawaii.....	15	12,280	8,960	13	13	1,238	23	25	38,143	29,523
Foreign.....	3	197,705	40,314	1	1	27		12	424,889	235,104
United States.....	5,212	22,669,818	13,521,489	4,764		1,053,559	6,445		77,392,187	56,268,397

See next page for footnote references.

## Footnotes to table 8.

<sup>1</sup>Preliminary data covering operations of cooperatives whose business years ended during the 1979 calendar year. Includes independent local cooperatives, federations, centralized cooperatives, and cooperatives with mixed organizational structures. The volume of products marketed is allocated to the State in which they originate and the volume of farm supplies is allocated to the State in which they are sold; service volume is allocated to the State of origin when services relate to farm products marketed or to the State of destination when related to farm supplies sold.

<sup>2</sup>Number of cooperatives handling a commodity includes those performing specific services on the commodity, such as cotton ginning cooperatives, livestock trucking cooperatives, and rice- and fruit-drying cooperatives. (Income for these specific services is included with service receipts.)

<sup>3</sup>Dollar volume by commodity is not shown to avoid disclosing operations of individual cooperatives. The dollar volume for this State is included in the subtotal for this commodity.

<sup>4</sup>Includes value of farm products imported, farm supplies exported, services related to imported farm products or exported farm supplies, sales to domestic military installations, or sales of farm products not received directly from member-patrons.

<sup>5</sup>Included in the dollar volume of California. One sugar cooperative headquartered in California operates in Hawaii.

<sup>6</sup>Includes forest products, hays, hops, nursery stock, coffee, and other farm products not separately classified. Also includes manufactured food products and resale items marketed by cooperatives.

<sup>7</sup>Dollar volume is not shown to avoid disclosing operations of individual cooperatives. The dollar volume for this State is included in the State total for California.

<sup>8</sup>Includes automotive supplies, hardware, chicks, and other supplies not separately classified.

<sup>9</sup>Receipts for services related to marketing and purchasing activities but not included in the volumes reported for these activities.

<sup>10</sup>Because many cooperatives do more than one type of business, these totals are less than the number that would be obtained by adding the number of cooperatives marketing individual products, handling individual supplies, or providing individual services. Inactive cooperatives are not included.

## Banks for Cooperatives

Thirteen banks for cooperatives made loans of nearly \$19.0 billion to 3,152 agriculturally oriented member cooperatives.

More than 41 percent of total members were situated in the West North Central region, which also accounted for 38.2 percent of all loans made. Minnesota was the leader with 320 members and more than \$2.1 billion in loans made.

## Rural Credit Unions

Rural credit unions numbered 1,184, with 2,483,060 members holding share savings of almost \$2.9 billion.

Wisconsin led all states with 10.9 percent of total associations. California was the leader in members with 21.5 percent of the total and in share savings with 26.8 percent of the total.

## **Rural Electric Cooperatives**

Rural electric cooperatives, totaling 920, reported 8.6 million consumer members and revenue of nearly \$7.5 billion.

With 8.5 percent of total associations, and 8.8 percent of total consumer memberships, Texas again led all States. However, Kentucky took over the lead from Texas with 6.9 percent of total revenue.

More than 27 percent of the cooperatives were in the West North Central region, which also accounted for 20.6 percent of the total revenue. Consumer memberships were highest in the South Atlantic region (23.6 percent of total).

## **Rural Telephone Cooperatives**

Rural telephone cooperatives, totaling 247, with revenues of more than \$297 million, had 906,695 subscriber members. These cooperatives were all financed by the Rural Electrification Administration (REA).

The West North Central region again accounted for more cooperatives (41.7 percent), subscriber members (32.4 percent), and revenue (31.1 percent) than any other region.

Iowa had 13.8 percent of total cooperatives, Tennessee had 8.4 percent of total subscriber memberships, and Texas accounted for 10.7 percent of total revenue.

## **Dairy Herd Improvement Associations**

Dairy herd improvement associations totaled 1,025. Memberships numbered 37,573, and cows tested totaled nearly 3.0 million.

More than 26 percent of the participants were in the West North Central region, while the East North Central region accounted for more than 28 percent of the total number of associations.

Minnesota had 7.1 percent of the total associations. New York, Pennsylvania, Minnesota, and Wisconsin combined accounted for 43.1 percent of total members or herds. More than 14 percent of the tested cows were in California.

Table 9—Number, participation, and level of activity of service organizations, by geographic region and State

Geographic region and State	Federal land banks (For year ended December 31, 1979)			Production credit associations <sup>1</sup> (For year ended December 31, 1979)			Banks for cooperatives <sup>1</sup> (For year ending December 31, 1979)		
	Cooperatives	Members	Loans made during year	Cooperatives	Stockholders	Loans made during year	Members	Loans made during year	
	No.	No.	1,000 dol.	No.	No.	1,000 dol.	No.	1,000 dol.	
Maine .....	2	713	8,505	2	1,206	37,685	5	3,620	
New Hampshire .....					(3)	67,734			
Vermont .....	2	1,674	17,768	2	1,963	31,248	3	6,918	
Massachusetts .....							7	209,670	
Rhode Island .....									
Connecticut .....	1	2,268	21,323	1	2,490		2	81	
New England .....	5	4,655	47,596	5	5,659	136,667	17	220,289	
New York .....	12	10,293	77,413	12	14,636	183,390	113	445,933	
New Jersey .....	3	1,668	28,631	3	1,660	31,310	4	5,811	
Pennsylvania .....	9	8,136	165,739	9	15,215	242,567	15	90,495	
Middle Atlantic .....	24	20,097	271,783	24	31,511	457,267	132	542,239	
Ohio .....	19	14,386	279,756	11	38,698	1,098,894	115	588,476	
Indiana .....	24	20,392	349,527	10	26,768	1,283,397	84	1,069,151	
Illinois .....	17	23,456	649,583	17	15,293	1,014,541	204	996,251	
Michigan .....	11	18,257	298,046	8	10,232	478,328	45	124,008	
Wisconsin .....	15	12,751	355,946	17	21,573	1,240,161	129	185,795	
East North Central .....	86	89,242	1,932,858	63	112,564	5,115,321	577	2,963,681	
Minnesota .....	20	26,218	505,236	16	13,902	1,435,240	320	2,110,324	
Iowa .....	21	31,050	557,825	16	11,784	2,129,362	286	1,312,066	
Missouri .....	13	18,715	257,425	12	19,862	729,570	58	1,028,424	
North Dakota .....	9	11,375	245,308	5	10,641	818,870	185	510,749	
South Dakota .....	7	12,888	106,682	9	4,193	633,447	69	48,717	
Nebraska .....	10	18,625	292,947	14	9,234	1,305,089	172	269,719	
Kansas .....	16	24,765	365,435	14	5,194	1,132,227	210	1,949,502	
West North Central .....	96	143,636	2,330,858	86	74,810	8,183,805	1,300	7,229,501	
Delaware .....	1	888	21,186	1	1,462	33,707	3	1,620	
Maryland .....	5	3,636	78,380	5	5,186	79,045	15	16,429	
Virginia .....	8	10,969	172,015	8	11,992	131,371	37	217,711	

West Virginia.....	2	1,897	19,882	2	2,457	14,628	10	1,836
North Carolina.....	15	31,876	342,485	17	40,529	539,194	12	47,886
South Carolina.....	9	14,848	122,011	11	14,559	274,721	8	3,370
Georgia.....	15	23,693	273,865	21	16,660	636,033	45	559,676
Florida.....	7	8,622	236,641	9	7,009	361,229	37	206,308
South Atlantic.....	62	96,429	1,266,465	74	99,854	2,069,928	167	1,054,836
Kentucky.....	10	10,734	193,675	9	34,401	885,595	49	232,933
Tennessee.....	12	14,000	150,451	9	36,848	824,405	80	192,923
Alabama.....	12	13,435	169,654	8	9,151	336,556	35	87,402
Mississippi.....	12	10,198	161,578	10	9,939	415,985	37	281,485
East South Central.....	46	48,367	675,358	36	90,339	2,462,541	201	794,743
Arkansas.....	11	9,354	163,318	14	12,822	674,203	55	536,568
Louisiana.....	9	8,740	201,277	7	13,011	376,507	43	2,083,770
Oklahoma.....	12	16,120	252,775	14	7,957	767,721	94	535,443
Texas.....	64	36,158	337,773	30	20,065	2,004,134	163	1,023,057
West South Central.....	96	70,372	955,143	65	53,855	3,822,565	355	4,178,838
Montana.....	10	8,251	107,451	11	6,477	554,540	59	27,739
Idaho.....	11	11,215	94,985	5	5,754	636,555	23	31,466
Wyoming.....	1	2,481	45,683	1	651	193,193	6	2,914
Colorado.....	12	10,859	247,501	8	4,199	1,076,349	61	104,412
New Mexico.....	4	2,343	60,028	4	1,278	216,505	16	14,730
Arizona.....	1	2,678	28,174	2	967	362,302	7	6,408
Utah.....	3	543	10,697	2	1,747	276,722	13	53,946
Nevada.....	1	39,037	651,263	1	387	76,938		
Mountain.....	43	39,037	651,263	34	21,460	3,393,104	185	241,615
Washington.....	9	9,050	121,400	6	4,216	406,555	83	291,803
Oregon.....	10	7,187	117,816	8	6,342	595,820	37	235,169
California.....	26	17,230	696,102	22	15,132	2,681,431	90	1,177,527
Pacific.....	45	33,467	935,318	36	25,690	3,683,806	210	1,704,499
Subtotal.....	503	545,302	9,066,642	423	515,742	29,325,004	3,144	18,930,241
Alaska.....	(2)	199	2,500				3	5,940
Hawaii.....	1	292	29,180	1	372	25,602	1	11,100
Puerto Rico.....	1	2,962	20,273	1	1,342	17,553	4	3,420
<b>Grand Total</b> .....	<b>505</b>	<b>548,755</b>	<b>9,118,595</b>	<b>425</b>	<b>517,456</b>	<b>29,368,159</b>	<b>3,152</b>	<b>18,950,701</b>

See end of table for footnote references.

Table 9—Number, participation, and level of activity of service organizations, by geographic region and State—Continued

Geographic region and State	Rural credit unions <sup>4</sup> (For year ended December 31, 1979)			Rural electric cooperatives <sup>5</sup> (For year ended December 31, 1979)			Rural telephone cooperatives <sup>5</sup> (For year ending December 31, 1979)		
	Cooperatives	Members	Share/ savings	Cooperatives	Members (consumers)	Revenue	Cooperatives	Members (subscribers)	Revenue
	No.	No.	1,000 dol.	No.	No.	1,000 dol.	No.	No.	1,000 dol.
Maine .....	18	17,559	10,842	4	12,003	4,681			
New Hampshire .....	3	1,458	602	1	42,731	19,132			
Vermont .....	14	11,202	6,676	2	15,182	7,704			
Massachusetts .....	15	12,056	7,447						
Rhode Island .....	7	53,133	86,048						
Connecticut .....	3	3,673	3,600						
New England .....	60	99,081	115,215	7	69,916	31,517			
New York .....	32	74,841	77,267	4	10,055	3,343			
New Jersey .....	11	11,186	6,018	1	7,336	3,636			
Pennsylvania .....	26	20,232	13,095	13	147,159	107,426			
Middle Atlantic .....	69	106,259	96,380	18	164,550	114,405			
Ohio .....	27	36,245	25,928	28	220,809	245,810	6	5,484	1,048
Indiana .....	33	34,483	40,692	43	299,747	232,586	9	21,261	6,089
Illinois .....	25	39,936	31,383	30	200,603	175,842	7	22,380	6,429
Michigan .....	37	295,731	208,160	15	175,433	106,637			
Wisconsin .....	129	374,127	459,500	30	155,507	174,769	11	29,240	8,218
East North Central .....	251	780,522	765,663	146	1,052,099	935,644	33	78,365	21,784
Minnesota .....	53	107,321	111,700	51	395,686	349,792	19	56,558	15,589
Iowa .....	24	9,463	6,491	52	170,028	202,748	34	47,824	12,346
Missouri .....	13	12,982	10,000	47	398,963	472,233	8	43,025	11,784
North Dakota .....	51	80,188	114,165	25	87,690	223,191	10	50,608	19,338
South Dakota .....	20	9,246	7,600	34	100,708	95,344	14	36,414	12,886
Nebraska .....				4	10,633	59,511	7	11,652	3,366
Kansas .....	44	72,127	112,027	36	136,988	144,288	11	47,736	17,034
West North Central .....	205	291,327	361,983	249	1,300,696	1,547,107	103	293,817	92,343
Delaware .....	1	1,470	1,889	1	29,194	16,301			
Maryland .....	10	29,321	28,100	2	82,681	60,947			
Virginia .....	15	21,711	18,645	15	216,507	147,429	5	11,083	2,694

West Virginia.....	4	2,245	1,075	1	3,893	1,368	2	1,883	384
North Carolina.....	34	34,232	20,655	28	423,382	214,408	9	68,673	14,455
South Carolina.....	9	8,699	7,558	21	297,974	210,087	6	71,155	23,150
Georgia.....	26	19,814	12,952	42	609,819	504,326	4	18,276	4,748
Florida.....	36	73,896	51,573	16	357,967	244,474			
South Atlantic.....	135	191,388	142,447	126	2,021,417	1,399,340	26	171,070	45,431
Kentucky.....	8	8,916	4,837	28	421,087	519,515	8	65,176	14,016
Tennessee.....	17	10,805	7,903	20	487,719	330,251	7	75,837	18,838
Alabama.....	17	16,889	15,145	22	293,155	228,263	3	16,737	4,307
Mississippi.....	13	3,859	983	23	381,587	339,737			
East South Central.....	55	40,469	28,868	93	1,583,548	1,417,766	18	157,750	37,161
Arkansas.....	6	3,480	2,669	20	260,081	267,949	2	5,568	1,300
Louisiana.....	15	11,543	8,500	14	249,681	208,278			
Oklahoma.....	9	7,206	8,257	27	274,134	231,217	2	26,928	12,186
Texas.....	51	51,839	63,300	78	750,296	507,692	21	71,798	31,803
West South Central.....	81	74,068	82,726	139	1,534,192	1,215,136	25	104,294	45,289
Montana.....	31	46,391	89,162	25	81,253	43,468	10	26,258	18,653
Idaho.....	25	14,299	13,617	9	37,536	16,955	3	7,910	2,457
Wyoming.....	7	4,616	3,201	14	58,098	60,767	1	813	432
Colorado.....	26	26,181	21,398	24	226,701	249,336	6	11,342	5,124
New Mexico.....	9	22,131	51,504	17	108,270	111,047	5	5,391	2,971
Arizona.....	16	20,103	13,594	7	62,876	154,822	1	2,146	1,901
Utah.....	19	10,337	7,877	4	16,773	19,377	3	5,914	2,330
Nevada.....	9	16,591	25,604	3	10,493	7,306			
Mountain.....	142	160,649	225,957	103	602,000	663,078	29	59,774	33,868
Washington.....	24	88,047	124,935	9	46,693	22,445			
Oregon.....	21	37,674	38,035	14	85,522	41,108	9	28,003	10,680
California.....	117	532,898	776,000	3	9,470	4,677			
Pacific.....	162	658,619	938,970	26	141,685	68,230	9	28,003	10,680
Subtotal.....	1,160	2,402,382	2,758,209	907	8,470,103	7,392,223	243	893,073	286,556
Alaska.....	2	8,774	8,483	13	99,034	99,954	4	13,622	10,789
Hawaii.....	22	71,904	132,200						
Puerto Rico.....									
Grand total.....	1,184	2,483,060	2,898,892	920	8,569,137	7,492,177	247	906,695	297,345

See end of table for footnote references.

Table 9—Number, participation, and level of activity of service organizations, by geographic region and State

Geographic region and State	Dairy herd improvement <sup>6</sup> (For year ended June 30, 1979)		Geographic region and State		Dairy herd improvement <sup>6</sup> (For year ended June 30, 1979)		Geographic region and State		Dairy herd improvement <sup>6</sup> (For year ended June 30, 1979)		
	Co-ops <sup>7</sup> (herds)	Members (herds)	Cows tested	No.	Co-ops <sup>7</sup> (herds)	Members (herds)	Cows tested	No.	Co-ops <sup>7</sup> (herds)	Members (herds)	Cows tested
Maine	12	401	22,259	1	54	4,488	Utah	16	344	35,220	
New Hampshire	8	226	12,619	11	624	52,225	Nevada	4	38	9,297	
Vermont	23	945	53,731	36	930	86,525	<b>Mountain</b>	73	1,358	195,194	
Massachusetts	7	320	18,403	8	178	13,728	Washington	16	693	92,962	
Rhode Island	2	28	1,395	23	633	66,040	Oregon	14	393	42,304	
Connecticut	6	309	23,623	11	226	30,767	California	28	1,205	425,066	
New England	58	2,229	132,030	25	300	36,598	<b>Pacific</b>	58	2,291	560,332	
New York	48	3,290	213,903	9	57	13,734	Subtotal	1,022	37,431	2,935,343	
New Jersey	5	215	15,526	124	3,002	304,105	Alaska	1	1	55	
Pennsylvania	58	3,560	199,141	36	510	32,043	Hawaii	1	10	5,863	
<b>Middle Atlantic</b>	111	7,065	428,570	36	636	56,167	Puerto Rico	1	131	24,935	
Ohio	17	1,663	100,082	19	216	26,620	<b>Grand total</b>	1,025	37,573	2,966,196	
Indiana	46	909	52,860	19	263	24,923					
Illinois	44	1,162	64,422	110	1,625	139,753					
Michigan	1	1,472	110,104	12	162	9,520					
Wisconsin	29	5,358	292,733	12	318	31,922					
<b>East North Central</b>	137	10,564	620,201	20	347	25,881					
Minnesota	73	3,991	196,346	35	537	64,773					
Iowa	54	1,610	77,206	79	1,364	132,096					
Missouri	40	775	49,820	7	83	6,559					
North Dakota	12	159	9,139	27	466	42,609					
South Dakota	17	232	13,299	8	37	3,103					
Nebraska	28	440	29,858	6	226	26,705					
Kansas	48	726	47,394	4	46	25,520					
<b>West North Central</b>	272	7,933	423,062	1	118	46,181					
Arizona											

<sup>1</sup>Farm Credit Administration.

<sup>2</sup>Listed by location of cooperative headquarters.

<sup>3</sup>Served by PCA in Connecticut.

<sup>4</sup>Credit Union National Association, Inc. (Includes Federally chartered and State chartered credit unions.)

<sup>5</sup>Rural Electrification Administration, USDA.

<sup>6</sup>Agricultural Research Administration, USDA.

<sup>7</sup>Official DHI (includes Dairy Herd Improvement Registry).



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### **U.S. Department of Agriculture Agricultural Cooperative Service**

Agricultural Cooperative Service provides research, management, and educational assistance to cooperatives to strengthen the economic position of farmers and other rural residents. It works directly with cooperative leaders and Federal and State agencies to improve organization, leadership, and operation of cooperatives and to give guidance to further development.

The agency (1) helps farmers and other rural residents obtain supplies and services at lower costs and to get better prices for products they sell; (2) advises rural residents on developing existing resources through cooperative action to enhance rural living; (3) helps cooperatives improve services and operating efficiency; (4) informs members, directors, employees, and the public on how cooperatives work and benefit their members and their communities; and (5) encourages international cooperative programs.

The agency publishes research and educational materials, and issues *Farmer Cooperatives*. All programs and activities are conducted on a nondiscriminatory basis, without regard to race, creed, color, sex, or national origin.