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Farmer Cooperative Statistics 1982



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FARMER COOPERATIVES IN THE UNITED STATES
COOPERATIVE INFORMATION REPORT 1
SECTION 27

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL COOPERATIVE SERVICE



Abstract

FARMER COOPERATIVE STATISTICS, 1982 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.

A survey of U.S. farmer cooperatives for calendar year 1982 showed a decrease in total business volume as well as a continuing decline in number of organizations and memberships. Total gross business and total net business volume are reported for 6,125 cooperatives. Business volume, number of cooperatives, and cooperative memberships are reported by commodity for those cooperatives classified as marketing, farm supply, and related service. A 10-year comparison shows changes in cooperative members, business size, sales volume, and share of marketing and purchasing activity. Data on balance sheet and net margins and selected activities of other service organizations are presented.

Key words: cooperatives, statistics, business volume, memberships, balance sheet, net margins.

Cooperative Information Report 1 Section 27

March 1984

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

Basic information is provided on the balance sheet and net margins of farmer cooperatives by principal product marketed and major functional type.

Statistics for 1982 are presented on a national basis only. Therefore, to provide detailed information on farmer cooperatives, data for 1981 are shown where 1982 data are not available.

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.

A stratified random sample of a large proportion of farmer cooperatives is used to reduce the work of collecting and assembling data and to enable more timely publishing of statistics.

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

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, 201 14th St., S.W., Room 3300, Auditor's Building, Washington, D.C. 20250.

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Highlights

The 1982 survey of marketing, farm supply, and related service cooperatives showed a decline in business volume as well as a decrease in number of memberships and organizations.

Total gross business volume (including intercooperative business) handled by cooperatives amounted to \$95.1 billion. This was a decrease of 6.3 percent from the \$101.5 billion reported in the previous year.

Total net business, excluding business done between cooperatives, amounted to \$69.2 billion, down 3.3 percent from the \$71.5 billion in 1981.

The total number of farmer cooperatives dropped from 6,211 in 1981 to 6,125, a net decrease of 86 associations. Each year, new cooperatives are formed and others disappear as they go out of business due to consolidation, merger, acquisition, or unsuccessful operations.

Cooperative memberships of 5,335,418 in 1981 dropped to 5,135,774, a decrease of 3.7 percent.

The gross value of farm products marketed by cooperatives amounted to \$65.6 billion in 1982, a decrease of 6.5 percent from the gross volume of \$70.2 billion for 1981. The net value of these farm products, after eliminating duplication resulting from intercooperative business, amounted to \$51.4 billion, a 3.5-percent decrease from the \$53.3 billion marketing net for the previous year.

The gross value of farm supplies handled by farmer cooperatives amounted to \$28.1 billion in 1982, decreasing 6.7 percent from the \$30.1 billion in 1981. The net value of these supplies, after intercooperative business was eliminated, amounted to \$16.4 billion, 4.1 percent below the \$17.1 billion in 1981.

Receipts for services related to marketing farm products and handling farm supplies amounted to \$1.4 billion, an increase of 17.1 percent above the 1981 volume of \$1.2 billion.

Combined assets for all farmer cooperatives totaled \$28.6 billion, down 1 percent from the \$28.8 billion for 1981. Net assets, after eliminating intercooperative investments, were \$25.8 billion in 1982, compared with \$26.3 billion in 1981—a 1.7-percent decrease.

Total liabilities were \$17.4 billion in 1982—down 2.9 percent from \$17.9 billion reported in 1981.

Net worth, or member and patron equity, increased 2.2 percent from \$10.9 to \$11.2 billion. Member and patron equity financed 39.1 percent of total assets in 1982, up from 37.9 percent in 1981.

Farmer cooperatives' net margins were more than \$854 million, a 40.7-percent decrease from the \$1.4 billion in 1981. The \$854 million included intercooperative dividends and refunds of \$294 million—down 47.3 percent from \$558 million in 1981.

Highlight Capsule

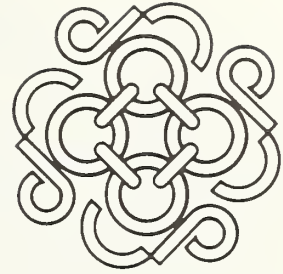
	1982	1981
Number of cooperatives	6,125	6,221
Memberships	5,135,774	5,335,418
Business volume (\$1,000)	69,150,336	71,533,967
Net margins (\$1,000)	854,316	1,440,339
Total assets (\$1,000)	28,552,732	28,839,682

Leading States:

	1981	1979
Number of cooperatives	Minnesota (722)	Minnesota (741)
Memberships	Minnesota (525,709)	Minnesota (551,666)
Business volume (\$1,000)	Iowa 7,475,830	Iowa 4,852,386

Farmer Cooperative Statistics

1982



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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 non-members in an amount greater in value than it handles for its members.

This definition may result in showing a larger or smaller number of farmer cooperatives than found in lists or directories of State agencies or cooperative councils. Agricultural Cooperative Service (ACS) includes only marketing, farm supply, and related service cooperatives on its list. Livestock shipping associations and wool pools are included as marketing cooperatives. Many State lists include other types of cooperatives such as production, credit, telephone, electric, and consumer cooperatives as well as those that do not fulfill ACS's definition. 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) 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.

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.¹ Cooperatives operating on a multistate basis were asked to furnish information on memberships and business volumes for the individual States they served. Before 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 items such as heating oil, lawn and garden equipment, and food.

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 on the number, participation, and activity of service cooperatives or organizations such as rural electric cooperatives, production credit associations, rural credit unions, and dairy herd improvement associations are summarized.

¹ 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.

Organizational Structures

Centralized

Most farmer cooperatives are centralized organizations. Individual farmers make up the membership. These 5,929 centralized cooperatives usually serve a local area or community, 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. One hundred eleven 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 struc-

tures. Often, these cooperatives serve large geographic areas with members in many States and provide a variety of integrated services. Eighty-five cooperatives have been identified as having a "mixed" structure.

Ten-Year Comparison of Cooperative Growth

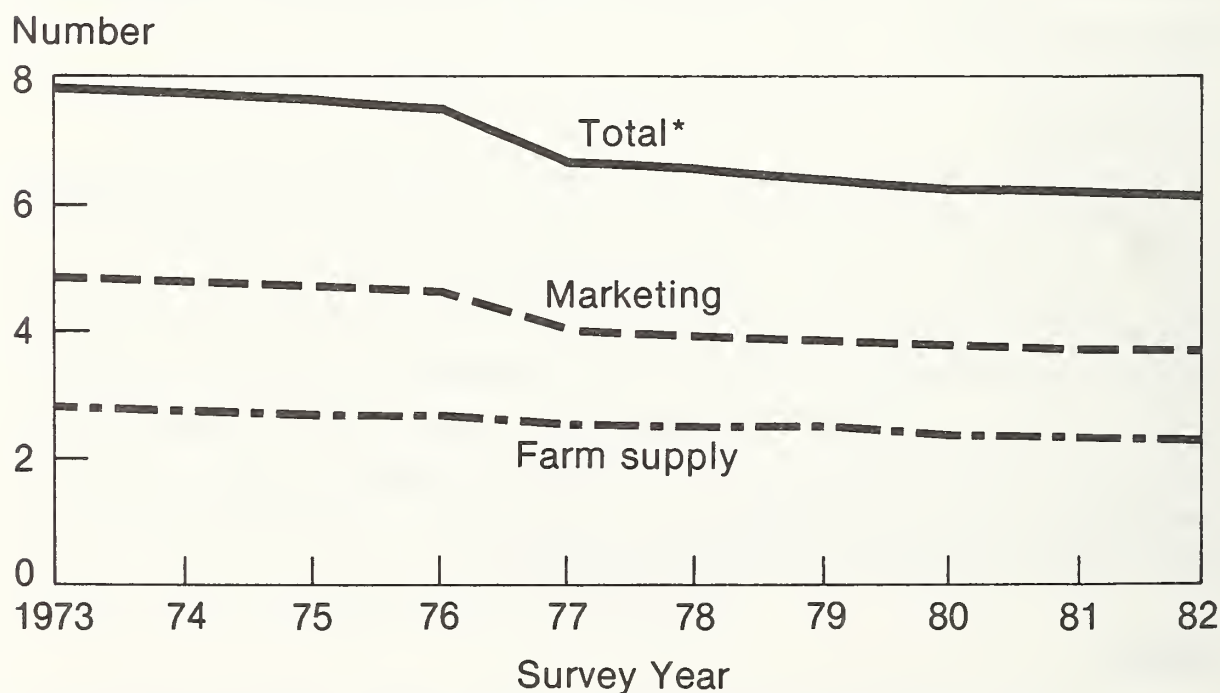
As cooperatives declined in number, they grew in size and increased their importance as purchasers of supplies and marketers of products for members. Business volume of farmer cooperatives nearly tripled in the decade between fiscal year 1973 and calendar year 1982.

Number of Organizations Declined

The total number of marketing, farm supply, and related service cooperatives declined from 7,854 in 1973 to 6,125 in 1982 (table 1 and fig. 1). The number of marketing cooperatives declined from 4,897 to 3,714 and farm supply cooperatives from 2,801 to 2,299. The number of service cooperatives declined from 156 to 112.

Figure 1

Farmer Cooperatives in the United States



*Total includes a small number of cooperatives that provide specialized related services.

Table 1—Number and percentage of predominantly marketing, farm supply, and related service cooperatives, selected years, 1950-51 to 1982

Period ¹	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 ²	3,930	59.6	2,550	38.6	120	1.8	6,600	100.0
1979	3,825	59.3	2,507	38.9	113	1.8	6,445	100.0
1980	3,808	60.5	2,369	37.7	116	1.8	6,293	100.0
1981	3,743	60.3	2,356	37.9	112	1.8	6,211	100.0
1982 ³	3,714	60.7	2,299	37.5	112	1.8	6,125	100.0

¹For years before 1950-51, see appendix table 5, FCS General Report 128 in libraries.

²Previously, 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.

³Preliminary.

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 1982, 8.8 percent of all farmer cooperatives reported business volumes of \$15 million or more, representing 77.8 percent of the total gross dollar volume. Farmer cooperatives with business volumes of \$200 million or more represented 56.1 percent of total sales compared with 45.1 percent in the 1976² fiscal period.

The 100 largest cooperatives (usually operating over large geographic areas) make up an important minority of farmer cooperatives. During 1976, the 100 largest cooperatives accounted for about \$31.5 billion, or 56.4 percent of total gross business volume. By 1982, the 100 largest cooperatives³ accounted for nearly \$58.5 billion in business volume, 61.5 percent of the total.

Business Volume Increases

Net cooperative business, unadjusted for changes in the price level, increased from \$26.2 billion in 1973 to \$69.2 billion in 1982 (table 2 and fig. 2).

During this 10-year period, marketing of farm products declined slightly from 75 to 74 percent of annual net business volume; purchases of production supplies rose from 23 to 24 percent; and related services remained about 2 percent.

Marketing volume increased from \$19.6 billion to \$51.4 billion, supplies purchased from \$5.9 billion to \$16.4 billion, and services provided from \$613 million to \$1.4 billion.

Grain, soybeans, and soybean meal and oil; dairy products; fruits and vegetables; and livestock and livestock products increased from 82 percent of all products marketed in 1973 to 85 percent in 1982.

²Comparable data not available for the 1973 fiscal period.

³Based on amount of annual gross sales (includes intercooperative sales) but without regard to size of assets.

Table 2—Number and net volume of cooperatives handling farm products, farm supplies, and service receipts, 1973 and 1982¹

Item	1973		1982	
	Cooperatives handling	Net volume	Cooperatives handling ²	Net volume
	<i>No.</i>	<i>1,000 dol.</i>	<i>No.</i>	<i>1,000 dol.</i>
Products marketed:				
Beans and peas (dry edible).....	47	71,179	60	133,285
Cotton and cotton products	507	593,861	476	1,732,725
Dairy products	657	6,101,894	451	15,776,154
Fruits and vegetables	447	2,009,070	384	4,501,216
Grain, soybeans, and soybean meal and oil.....	2,567	5,427,898	2,362	18,233,654
Livestock and livestock products	575	2,649,246	429	5,193,877
Nuts.....	50	435,297	50	701,679
Poultry products	174	569,268	70	944,365
Rice	62	490,064	57	1,128,916
Sugar products.....	65	808,503	48	1,519,466
Tobacco.....	28	386,736	35	581,894
Wool and mohair	173	22,678	190	15,481
Miscellaneous	83	77,322	112	931,114
Total farm products.....	³ 5,257	19,643,016	³ 4,279	51,393,826
Supplies purchased:				
Building materials.....	2,189	216,466	2,057	428,652
Containers.....	857	111,265	658	68,332
Farm chemicals	3,353	257,229	3,627	1,335,974
Farm machinery and equipment	1,315	163,522	1,805	341,784
Feed	3,790	1,906,163	3,553	3,340,991
Fertilizer	3,900	1,094,053	3,732	3,406,809
Meats and groceries	506	75,048	482	111,576
Petroleum products.....	2,647	1,241,515	2,871	5,502,480
Seed.....	3,591	231,796	3,550	554,917
Other supplies.....	4,260	617,905	4,269	1,270,609
Total farm supplies.....	³ 5,574	5,914,962	³ 4,952	16,362,124
Receipts for services:				
Trucking, cotton ginning, storage, grinding, locker plants, miscellaneous.....	³ 4,615	⁴ 612,800	³ 4,608	⁴ 1,394,386
Total business.....	³ 7,854	26,170,778	³ 6,125	69,150,336

¹Preliminary. Totals may not add due to rounding.

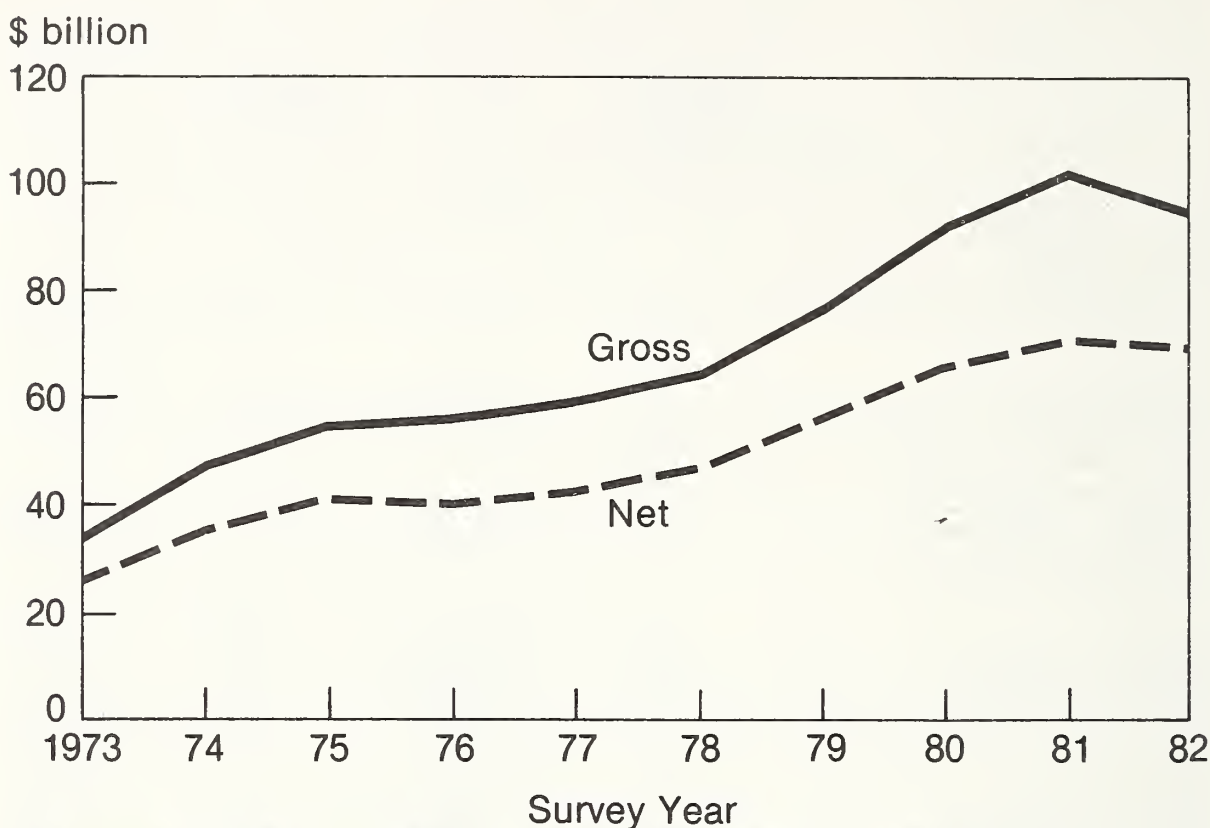
²The numbers are based on 1980 survey results due to sampling procedures used in 1981.

³Adjusted for duplication arising from multiple activities performed by many cooperatives.

⁴Charges for services related to marketing or purchasing but not included in the volume reported for these activities.

Figure 2

Business Volume of Farmer Cooperatives



In 1982, grain, soybeans, and soybean meal and oil accounted for a substantially greater proportion of total cooperative business than in 1973. Fruits and vegetables and livestock and livestock products accounted for substantially less. Dairy products showed a moderate decrease. Among lesser commodities, both poultry products and sugar products declined considerably.

In the farm supply group, three items—petroleum products, fertilizer, and feed—were especially important. They accounted for 72 percent of the total production supply business in 1973 and 75 percent in 1982.

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 substantially. Farm chemicals also increased in proportion, while other production supplies showed little change.

Market Share Greater

Cooperatives accounted for about 23 percent of the agricultural products marketed at the first-handler level in 1973. This share increased to

30 percent in 1982.⁴ Market shares for individual commodities higher than the overall average were milk, sugar, rice, grain and soybeans, and cotton and cotton products.

Farmers in 1973 purchased 23 percent of the major farm supplies (fertilizer and lime, petroleum and products, farm chemicals, feed, and seed) at the first-handler level through cooperatives. This proportion increased to 27 percent, due mostly to larger volumes of farm chemicals and fertilizer moving through cooperatives. These production supplies and petroleum were handled in greater proportion than the overall average.

Number of Cooperatives

The 1982 survey accounted for 6,125 marketing, farm supply, and related service⁵ cooperatives, compared with 6,211 in 1981.

The decrease of 86 associations was 1.4 percent less than the number in 1981. The decline in number largely reflected a continuing trend involving merger, consolidation, acquisition, or dissolution.

Of the 6,125 cooperatives, 3,714 primarily marketed farm products, 2,299 handled farm production supplies, and 112 provided related services.

Comparison of 1982 with 1981 data shows that marketing cooperatives increased from 60.3 to 60.7 percent of the total number of cooperatives; farm supply cooperatives dropped from 37.9 to 37.5 percent; and related service cooperatives remained about 1.8 percent.

The percentage changes in table 1 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 3, cooperatives are classified according to the business activity that consistently accounted for the largest percent of their dollar volume for 1981.

⁴Cooperative share was lower in 1982 compared to 1981 due to adjustments made for cooperative purchases beyond the first-handler level. Agricultural Cooperative Service, unpublished data.

⁵Related 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 3—Cooperative numbers¹ and memberships, by major business activity and State, 1981²

State	Beans and peas, dry edible			Cotton and cotton products ³		Dairy products		Fruit and vegetables ³	
	Co-op hqts. in State	Member- ships ⁴		Co-op hqts. in State	Member- ships ⁴	Co-op hqts. in State	Member- ships ⁴	Co-op hqts. in State	Member- ships ⁴
<i>Number</i>									
Alabama				7	237	1	182	3	1,005
Alaska						1	14		
Arizona				5	1,810	1	176	5	1,234
Arkansas				22	1,403	(5)	850	8	1,240
California	4	951		43	5,972	12	1,520	110	24,466
Colorado	4	693				5	605	12	1,226
Connecticut						(5)	512	1	9
Delaware						(5)	149	1	1,259
Florida				(5)	3	5	369	48	3,866
Georgia				(5)	1	1	783	2	56
Hawaii						1	9	8	507
Idaho	1	863				1	1,142	2	2,347
Illinois				9		9	4,052	4	81
Indiana				2		2	3,496	1	163
Iowa				15		15	9,098	1	12
Kansas				2		2	2,105	1	23
Kentucky				2		2	3,356	1	398
Louisiana				7	1,182	2	1,115	4	299
Maine						1	530	7	1,371
Maryland				2		2	1,468	2	429
Massachusetts				2		2	677	1	368
Michigan	2	480		6		6	7,746	19	4,108
Minnesota				107		107	34,126	1	78

Mississippi	41	3,658	2	820	1	51
Missouri	(5)	21	3	3,937		
Montana			2	736	2	236
Nebraska			(5)	1,915		
Nevada	(5)	20	2	61		
New Hampshire			2	326		
New Jersey			2	268	11	1,587
New Mexico	18	3,737			2	42
New York			78	9,759	9	2,355
North Carolina	1	590	1	613	9	1,879
North Dakota			5	1,681	1	105
Ohio			9	6,203	8	2,438
Oklahoma	46	21,932	(5)	1,066		
Oregon			10	1,479	13	1,612
Pennsylvania			25	10,531	8	1,748
Rhode Island			(5)	75		
South Carolina	1	436	2	170	5	208
South Dakota			4	2,324		
Tennessee	(5)	38	2	1,796	3	50
Texas	250	65,896	4	3,185	6	1,093
Utah			3	813	3	125
Vermont			7	2,765	1	290
Virginia	(5)	10	4	1,688	5	139
Washington			4	1,376	34	7,626
West Virginia			2	446	(5)	19
Wisconsin			95	36,063	3	882
Wyoming		1,195	(5)	67		
Foreign					(5)	18
United States	441	106,946	446	164,243	366	67,048

Table 3—Cooperative numbers¹ and memberships, by major business activity and State, 1981²—Continued

State	Grain, soybeans, and soybean meal and oil ⁶		Livestock and livestock products ³		Nuts ⁷		Poultry and poultry products	
	Co-op hqts. in State	Member- ships ⁴	Co-op hqts. in State	Member- ships ⁴	Co-op hqts. in State	Member- ships ⁴	Co-op hqts. in State	Member- ships ⁴
<i>Number</i>								
Alabama	2	2,917	13	9,157	(⁵)	4,382	(⁵)	20,395
Alaska								
Arizona	3	1,308	(⁵)	236	(⁵)	13	(⁵)	183
Arkansas	6	17,918	5	922	(⁵)	71	(⁵)	182
California	3	474	1	2,315	5	8,101	3	105
Colorado	22	14,368	6	3,761				
Connecticut			(⁵)	1			(⁵)	9
Delaware			(⁵)	1			(⁵)	2
Florida	(⁵)	16			(⁵)	1,680	1	7,964
Georgia			1	353	2	6,235	4	41,136
Hawaii					2	133		
Idaho	13	9,513	6	3,271				
Illinois	156	88,306	5	39,793				
Indiana	46	127,595	3	29,257			1	5
Iowa	221	125,762	9	19,475				
Kansas	195	150,621	1	865			(⁵)	10
Kentucky	1	1,480	12	8,960			(⁵)	6
Louisiana	7	1,072	2	245	(⁵)	12	(⁵)	5
Maine							1	19
Maryland			(⁵)	1			(⁵)	2
Massachusetts								
Michigan	22	25,529	1	170			1	425
Minnesota	200	123,065	6	19,462				
			132	52,102			2	89

Mississippi	4	1,851	5	36,919	(5)	842
Missouri	22	21,996	8	14,339	(5)	10
Montana	43	22,719	1	933		
Nebraska	153	83,603	4	7,139	1	20
Nevada	1	9	(5)	39	1	2
New Hampshire					(5)	6
New Jersey			2	2,290		
New Mexico	1	1,197	(5)	18	(5)	172
New York			4	35,752	2	56
North Carolina			4	2,204	1	4,140
North Dakota	256	98,272	15	8,828		
Ohio	90	59,754	4	34,368	1	10
Oklahoma	74	49,196	1	7,200	2	2,361
Oregon	10	5,950			1	310
Pennsylvania			9	4,042	1	56
Rhode Island					(5)	1
South Carolina	1	133	2	83	(5)	6,394
South Dakota	125	75,971	3	7,073	(5)	1
Tennessee	(5)	200	4	605	(5)	15,693
Texas	57	22,574	2	3,489	(5)	5,572
Utah	3	4,652	1	7,119	3	137
Vermont					(5)	1
Virginia	4	1,807	15	5,401	1	967
Washington	32	12,027	(5)	414		
West Virginia	(5)	1	8	1,885	(5)	90
Wisconsin	2	2,441	79	35,145		
Wyoming	2	669	1	161		
Foreign			(5)	200		
United States	1,777	1,154,965	376	405,993	17	42,513
					25	109,533

See end of table for footnote reference.

Table 3—Cooperative numbers¹ and memberships, by major business activity and State, 1981²—Continued

State	Rice ³			Sugar products ⁸			Tobacco		Wool and mohair	
	Co-op hqts. in State	Member- ships ⁴	Co-op hqts. in State	Co-op hqts. in State	Member- ships ⁴	Co-op hqts. in State	Co-op hqts. in State	Member- ships ⁹	Co-op hqts. in State	Member- ships ⁴
	<i>Number</i>									
Alabama			(⁵)		3	(⁵)		226		
Alaska										
Arizona			(⁵)		22					
Arkansas	23	21,807	(⁵)		2	(⁵)		16	(⁵)	75
California	4	3,247	3		1,790				1	363
Colorado			1		917				(⁵)	75
Connecticut						(⁵)		1,070		
Delaware										
Florida			3		154	(⁵)		2,420		
Georgia			(⁵)		38	(⁵)		12,943		
Hawaii			1		302				(⁵)	3
Idaho			2		1,772				17	1,699
Illinois			(⁵)		1				1	111
Indiana			(⁵)		6	(⁵)		8,913		
Iowa			1		47				1	8,544
Kansas			(⁵)		205				(⁵)	1,200
Kentucky			1		5	7		83,071	(⁵)	200
Louisiana	12	1,591	12		922				1	200
Maine										
Maryland						1		4,160		
Massachusetts						1		950	2	(¹⁰)
Michigan			(⁵)		14				(⁵)	1,500
Minnesota			2		1,313	(⁵)		2	3	10,181

Mississippi	183	(5)	3	(5)	3,660	(5)	250
Missouri	73	(5)	3				1,653
Montana		3	535			22	250
Nebraska		2	1,063			(5)	1
Nevada		(5)	3			(5)	750
New Hampshire		(5)	117			(5)	300
New Jersey						1	
New Mexico		(5)	4				
New York		(5)	2	9	72,357	4	747
North Carolina		1	853			2	85
North Dakota		2	410	1	8,160	1	5,500
Ohio						(5)	350
Oklahoma		1	169			(5)	2
Oregon						17	4,409
Pennsylvania							
Rhode Island							
South Carolina		(5)	1	1	17,028		
South Dakota		(5)	65			2	5,593
Tennessee		(5)	1	9	57,782	(5)	100
Texas	14	1	161			3	406
Utah		1	9				
Vermont							
Virginia		(5)	18	3	16,820	16	3,118
Washington				(5)		1	12
West Virginia		(5)	58	2	5,130	16	1,865
Wisconsin		2	398		1,851	1	2,626
Wyoming		(5)	1			7	1,319
Foreign							
United States	54	39	11,387	34	296,559	119	53,487

See end of table for footnote references.

Mississippi	1	355	54	44,631	70	69,503	2	199	126	114,333
Missouri			34	44,340	95	192,071	2	625	131	237,036
Montana			73	26,812	69	36,551			142	63,363
Nebraska	2	218	163	94,208	109	118,949	3	8	275	213,165
Nevada			3	133	(⁵)	55			3	188
New Hampshire			3	1,195	(⁵)	1,481			3	2,676
New Jersey	1	40	17	4,491	7	10,302	1	17	25	14,810
New Mexico	(⁵)	1	21	5,171			1	300	22	5,471
New York	1	24	98	48,693	132	112,530	3	1,097	233	162,320
North Carolina			26	92,546	2	42,715	4	155	32	135,416
North Dakota			280	109,824	140	70,321	2	(¹⁰)	422	180,145
Ohio	1	11	117	116,854	64	61,576	3	295	184	178,725
Oklahoma			123	87,056	20	15,876	1	659	144	103,591
Oregon	1	30	37	9,599	20	45,667	1	33	58	55,299
Pennsylvania			60	20,786	26	54,098	3	145	89	75,029
Rhode Island			(⁵)	76	(⁵)	727	1	30	1	833
South Carolina			12	25,047	1	13,858			13	38,905
South Dakota	1	48	135	91,075	106	76,950	1	41	242	168,066
Tennessee	1	752	19	76,917	85	77,681			104	154,598
Texas	1	21	338	108,693	59	23,605	7	925	404	133,223
Utah	1	159	18	13,420	10	8,526			28	21,946
Vermont			8	3,056	1	3,719	1	22	10	6,797
Virginia			49	33,756	56	147,432	1	14	106	181,202
Washington	4	203	75	21,676	53	72,301	1	154	129	94,130
West Virginia			26	9,436	21	62,685			47	72,121
Wisconsin	1	17	183	79,083	213	269,747	16	241	412	349,071
Wyoming			13	3,809	10	6,955			23	10,764
Foreign			(⁵)	219					(⁵)	219
United States	37	5,743	3,743	2,452,219	2,356	2,855,963	112	27,236	6,211	5,335,418

See next page for footnote references.

Footnotes to table 3.

¹Includes independent local cooperatives, federations, centralized cooperatives, and cooperatives with mixed organizational structures.

²Data covering operations of cooperatives for calendar year 1981.

³Cooperatives performing specific services related to a commodity are included. Incorporated local associations of a federation that performs the actual marketing or processing are counted.

⁴Includes 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.) Totals may not add due to rounding.

⁵The 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 and Mexico).

⁶Includes soybean marketing and processing.

⁷Membership 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.

⁸Includes sugar, sugarcane, sugar beets, honey, maple syrup, molasses, and sorghum.

⁹Member-patrons. Number fluctuates considerably from year to year due to participation in price stabilization programs.

¹⁰No individual memberships or members located outside the State in which cooperative headquarters is located.

¹¹Includes forest products, hay, hops, nursery stock, coffee, and other farm products not separately classified.

¹²Cooperatives providing services related to marketing or purchasing activities.

Number of Memberships

Memberships in marketing, farm supply, and related service cooperatives totaled 5,135,774 in 1982, a decrease of 3.7 percent from the 5,335,418 memberships in 1981 (table 4 and fig. 3). 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.

Though many farmers maintained membership in more than one cooperative, more than 1.1 million members, or 22.4 percent, did not actively patronize their cooperatives.

Membership figures often vary widely from year to year for cooperatives participating in price stabilization programs, particularly for those 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

Table 4— Memberships in predominantly marketing, farm supply, and related service cooperatives, selected years, 1950-51 to 1982

Period ¹	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	6,157,740	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 ²	2,595,000	45.6	3,063,000	53.8	36,500	0.6	5,694,500	100.0
1979	2,530,733	45.0	3,060,020	54.4	36,443	0.6	5,627,196	100.0
1980	2,541,995	47.3	2,804,482	52.1	32,411	0.6	5,378,888	100.0
1981	2,452,219	46.0	2,855,963	53.5	27,236	0.5	5,335,418	100.0
1982 ³	2,444,325	47.6	2,666,375	51.9	25,074	0.5	5,135,774	100.0

¹For years before 1950-51, see appendix table 6, FCS General Report 128 in libraries.

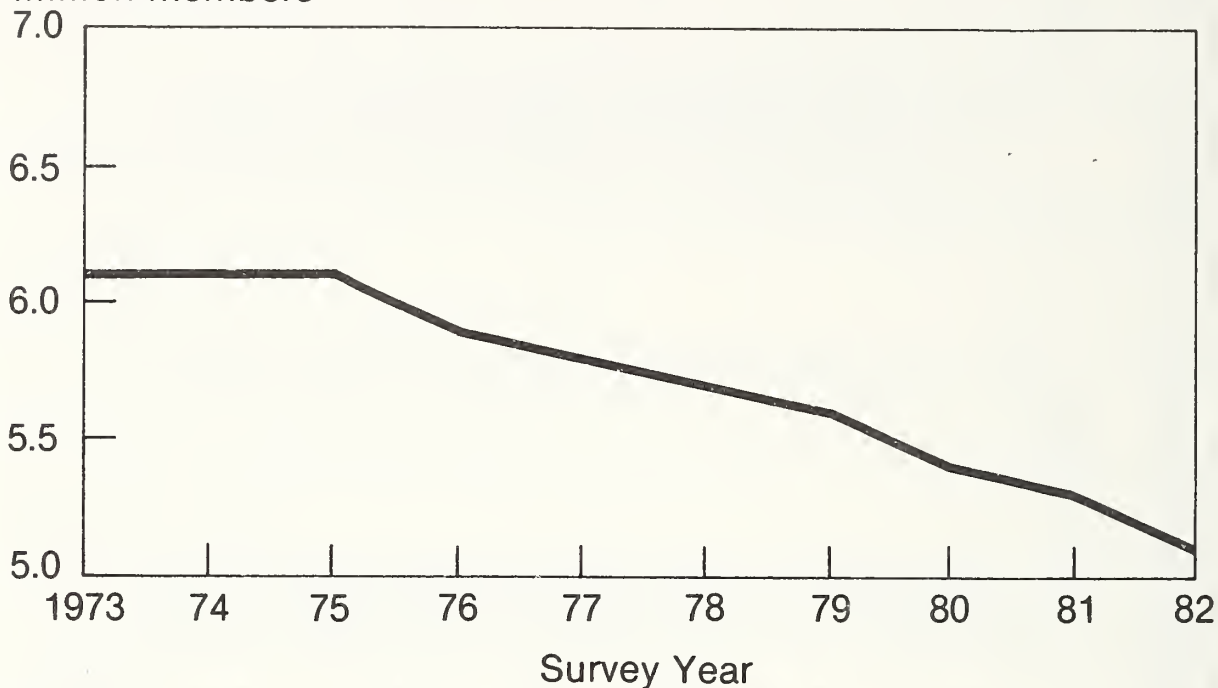
²Previously, data for farmer cooperatives were reported on a fiscal year basis. Beginning in 1978, data are included for the calendar year. Data for 1978 are estimated.

³Preliminary.

Figure 3

Memberships in Farmer Cooperatives

Million members



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, therefore, may not be in the group that represents the cooperative's major business volume (which determines how the cooperative is classified in this report). The membership, however, will be included arbitrarily in that classification.

Business Volume

Total gross business volume of 6,125 marketing, farm supply, and related service cooperatives amounted to \$95.1 billion (table 5). This was a decrease of 6.3 percent from the \$101.5 billion gross reported in 1981.

Total net business volume of farmer cooperatives amounted to \$69.2 billion. This amount included \$51.4 billion for farm products marketed, \$16.4 billion for farm supplies purchased, and \$1.4 billion for services performed. The total net figure of \$69.2 billion, which excludes intercooperative business (the difference between gross and net business volumes), represented a decrease of 3.3 percent from the \$71.5 billion in 1981. However, discounting for price changes, real drop in business

volume was estimated to be 2.5 percent.⁶ Intercooperative business dropped to \$25.9 billion from \$29.9 billion in 1981.

Gross and net volumes of business for marketing, purchasing, and related service activities are shown in table 5 for selected years from fiscal 1951 through calendar 1982. Both gross and net volumes were less than 1981 totals.

Gross volume of farm products marketed by cooperatives decreased from \$70.2 billion in 1981 to \$65.6 billion, a decrease of 6.5 percent. The net volume of farm products marketed amounted to \$51.4 billion and accounted for 74.3 percent of the total net volume of cooperatives. The net marketing volume represented a decrease of 3.5 percent from the \$53.3 billion for 1981. Losses resulted primarily from decreases in the dollar volumes reported for grain, soybeans, soybean meal and oil.

Figure 4 illustrates the leading products marketed by cooperatives based on net marketing business volume. Grain, soybeans, and soybean meal and oil led with 35.4 percent of total net marketing volume, followed by dairy products and livestock products.

Gross volume of all farm supplies handled by cooperatives amounted to \$28.1 billion, a 6.7-percent decrease from the \$30.1 billion gross in 1981. The net farm supply volume of \$16.4 billion accounted for 23.7 percent of the total net business volume, a 4.1-percent decrease from the \$17.1 billion volume in 1981. Decreases in net volumes of petroleum products, feed, and fertilizer largely accounted for this decline.

As shown in figure 5, leading farm supplies handled by cooperatives in terms of net business volume were petroleum products, with 33.6 percent of the total, followed by fertilizer and feed.

Receipts for services performed by all types of cooperatives amounted to \$1.4 billion, a 17.1-percent increase from the 1981 service receipts. Service receipts represented 2 percent of total net business volume.

An estimated 69.9 percent of the 6,125 cooperatives, or 4,279 cooperatives, marketed farm products (table 6). Farm supplies were handled by 4,952 cooperatives, 80.8 percent of the total, while 4,608 cooperatives, or 75.2 percent of the total, performed one or more services related to farm product marketing and farm supply purchasing.

The 1981 estimated volume of farm products marketed and farm supplies purchased by cooperatives is shown by State in table 7.

⁶By deflating the volume of farm products handled by cooperatives in 1982 by indices of producer prices for farm products and processed foods and feeds and the volume of farm supplies and related services by the index on prices paid by farmers for production of all commodities excluding interest, taxes, and wage rates, total business volume amounted to \$69.8 billion—only a 2.5-percent decrease from the 1981 volume.

Table 5—Business volume of marketing, farm supply, and related service cooperatives, selected years, 1950-51 to 1982

Period ¹	Gross volume (includes intercooperative business)			Net volume (excludes intercooperative business)				
	Farm products	Farm supplies	Related services ²	Total	Farm products	Farm supplies	Related services ²	Total
	1,000 dollars							
1950-51	7,984,777	2,437,521	99,958	10,522,256	6,361,766	1,685,413	99,958	8,147,137
1955-56	9,514,387	2,972,696	214,880	12,701,963	7,495,159	2,046,086	214,880	9,756,125
1960-61	12,143,722	3,744,711	305,600	16,194,033	9,631,247	2,472,286	305,600	12,409,133
1961-62	12,992,656	3,914,849	302,102	17,209,607	10,160,364	2,561,338	302,102	13,023,804
1962-63	13,893,463	4,145,263	303,281	18,342,007	10,834,165	2,704,400	303,281	13,841,846
1963-64	14,532,553	4,393,864	313,103	19,239,520	11,209,069	2,831,586	313,103	14,353,758
1964-65	14,816,217	4,495,217	315,527	19,626,961	11,516,217	2,910,188	315,527	14,741,932
1965-66	15,489,446	4,804,443	325,071	20,618,960	12,197,744	3,085,382	325,071	15,608,197
1966-67	16,265,376	5,314,427	317,570	21,897,373	12,899,762	3,339,207	317,570	16,556,539
1967-68	16,556,620	5,565,045	316,014	22,437,679	13,189,137	3,544,854	316,014	17,040,005
1968-69	16,841,051	5,643,341	350,761	22,835,153	13,420,765	3,615,271	350,761	17,386,797
1969-70	18,388,420	5,986,359	391,176	24,765,955	14,816,000	3,873,211	391,176	19,080,387
1970-71	20,118,015	6,748,989	414,299	27,281,303	15,801,872	4,339,529	414,299	20,555,700
1971-72	20,794,406	7,395,899	462,240	28,652,545	16,463,065	4,739,603	462,240	21,664,908
1972-73	25,110,374	8,841,293	502,800	34,454,467	19,573,016	5,914,962	502,800	25,990,778
1973-74	35,632,381	11,395,208	657,730	47,685,319	26,943,792	7,764,027	657,730	35,365,549
1974-75	40,313,162	13,416,013	744,477	54,473,652	31,937,363	8,660,605	744,477	41,342,445
1975-76	39,402,165	15,553,633	855,277	55,811,075	29,783,115	9,411,685	855,277	40,050,077
1976-77	40,803,827	17,790,798	892,977	59,487,602	32,133,711	10,557,465	892,977	43,584,153
1978 ³	45,072,429	18,604,619	947,655	64,624,703	35,305,600	11,051,865	947,655	47,305,120
1979	53,668,810	22,669,818	1,053,559	77,392,187	41,693,349	13,521,489	1,053,559	56,268,397
1980	63,650,268	27,660,042	1,209,225	92,519,535	48,911,018	16,134,111	1,209,225	66,254,354
1981	70,161,551	30,127,323	1,190,385	101,479,260	53,284,950	17,058,630	1,190,385	71,533,967
1982 ⁴	65,599,550	28,104,678	1,394,386	95,098,614	51,393,826	16,362,124	1,394,386	69,150,336

Period ¹	Gross volume (includes intercooperative business)			Net volume (excludes intercooperative business)				
	Farm products	Farm supplies	Related services ²	Total	Farm products	Farm supplies	Related services ²	Total
	Percent							
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 ³	69.7	28.8	1.5	100.0	74.6	23.4	2.0	100.0
1979	69.3	29.3	1.4	100.0	74.1	24.0	1.9	100.0
1980	68.8	29.9	1.3	100.0	73.8	24.4	1.8	100.0
1981	69.1	29.7	1.2	100.0	74.5	23.8	1.7	100.0
1982 ⁴	69.0	29.5	1.5	100.0	74.3	23.7	2.0	100.0

¹For 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.

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

³Previously, 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.

⁴Preliminary.

Figure 4

Relative Importance of Major Farm Products Marketed by Cooperatives, 1982

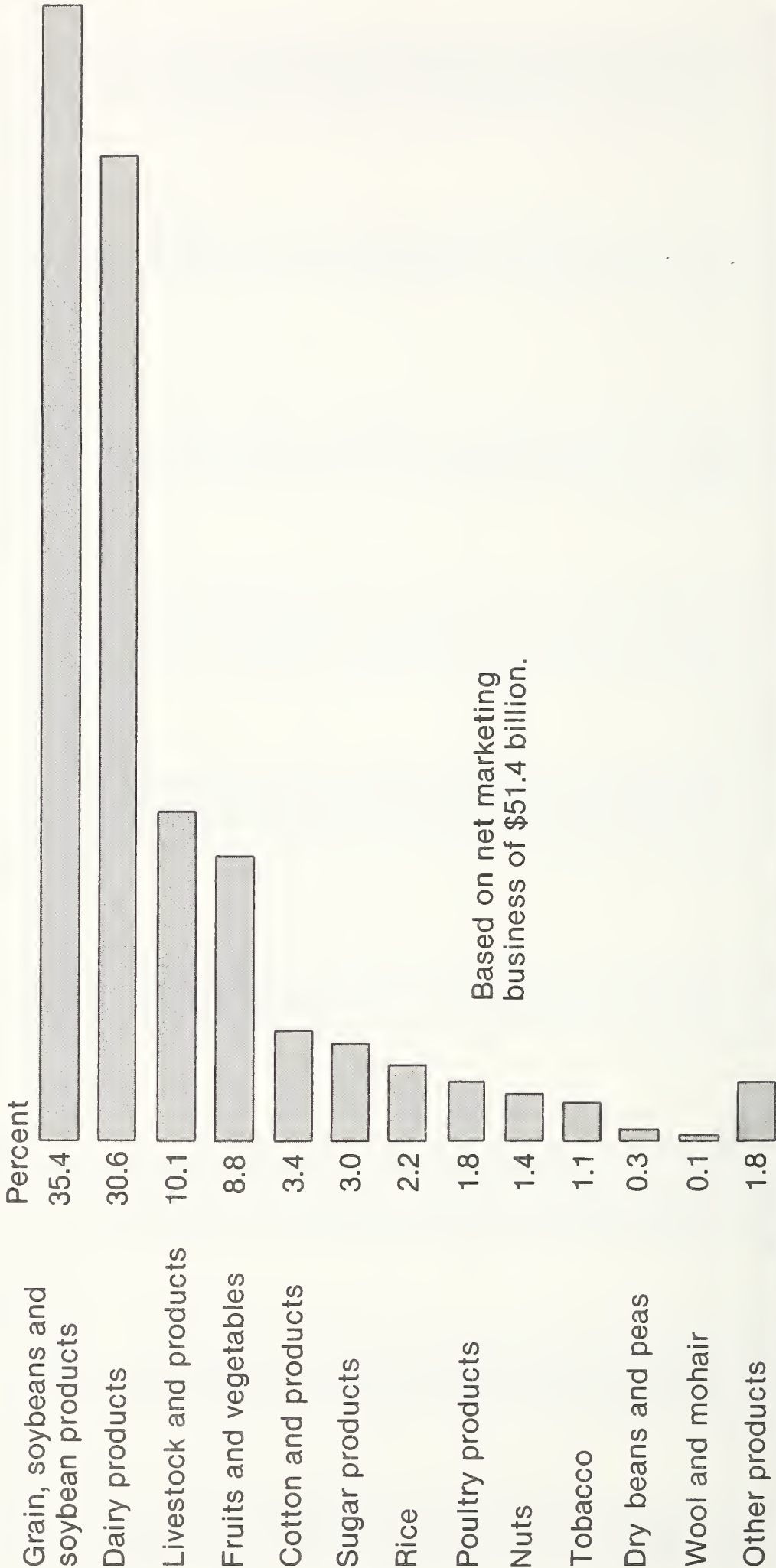


Figure 5

Relative Importance of Major Farm Supplies Handled by Cooperatives, 1982

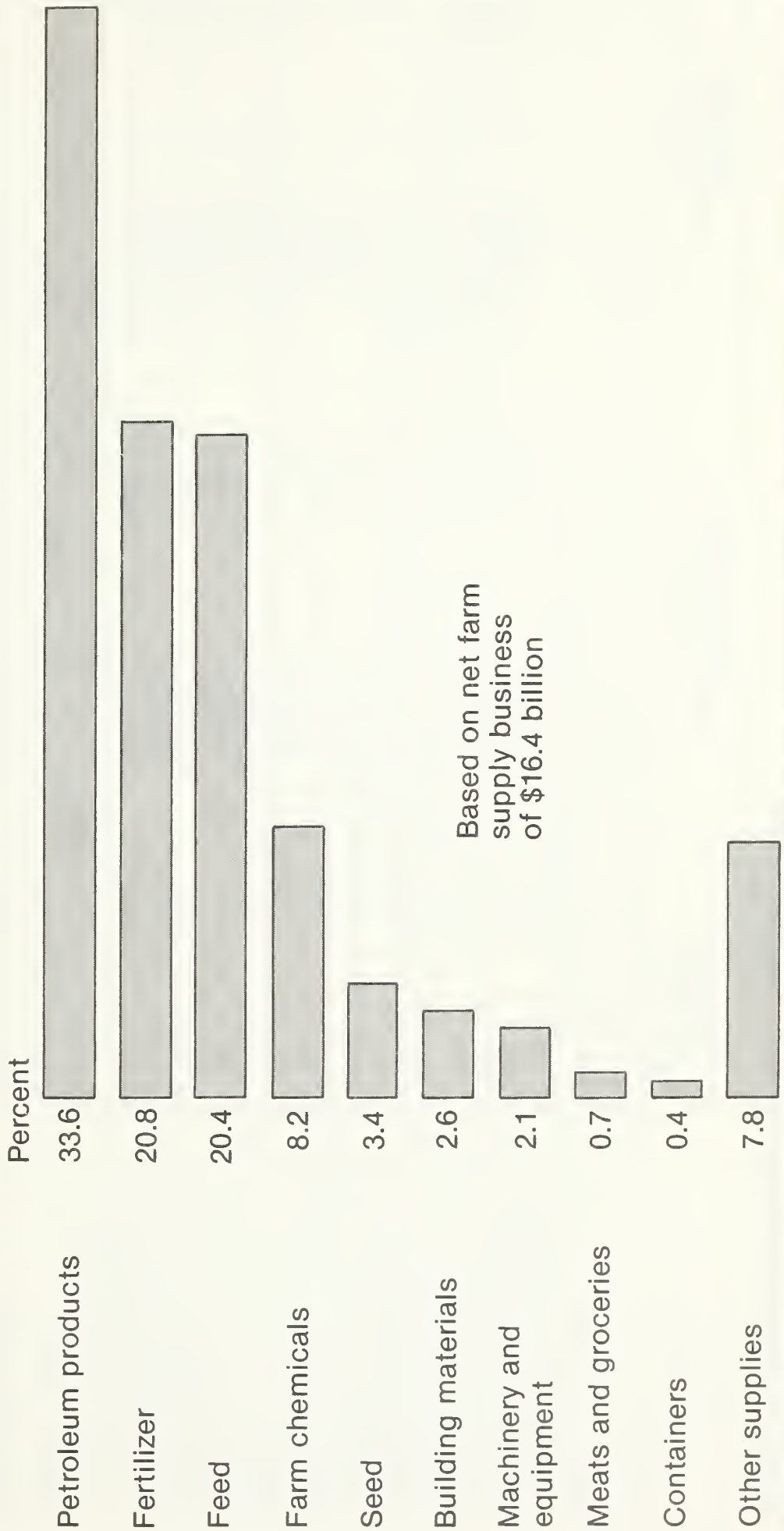


Table 6—Cooperative business volume by commodity, 1982¹

Commodity	Cooperatives handling ²		Gross volume (includes inter-cooperative business)		Net volume (excludes inter-cooperative business)	
	No.	Pct. ³	1,000 dol.	Pct.	1,000 dol.	Pct.
Products marketed:						
Beans and peas (dry edible) .	60	1.0	214,444	0.2	133,285	0.2
Cotton and cotton products..	476	7.8	2,105,154	2.2	1,732,725	2.5
Dairy products.....	451	7.4	17,976,595	18.9	15,776,154	22.8
Fruits and vegetables.....	384	6.3	6,387,147	6.7	4,501,216	6.5
Grain, soybeans, and soybean meal and oil.....	2,362	38.6	27,393,886	28.8	18,233,654	26.4
Livestock and livestock products	429	7.0	5,547,460	5.8	5,193,877	7.5
Nuts.....	50	0.8	701,679	0.7	701,679	1.0
Poultry products	70	1.1	1,069,881	1.1	944,365	1.4
Rice	57	0.9	1,128,916	1.2	1,128,916	1.6
Sugar products.....	48	0.8	1,528,407	1.6	1,519,466	2.2
Tobacco.....	35	0.6	582,538	0.6	581,894	0.8
Wool and mohair	190	3.1	32,329	0.1	15,481	0.1
Miscellaneous ⁴	112	1.8	931,114	1.0	931,114	1.3
Total farm products.....	5,4279	69.9	65,599,550	69.0	51,393,826	74.3
Supplies purchased:						
Building materials.....	2,057	33.6	559,742	0.6	428,652	0.6
Containers and packaging supplies.....	658	10.7	386,427	0.4	68,332	0.1
Farm chemicals	3,627	59.2	2,270,696	2.4	1,335,974	1.9
Farm machinery and equipment	1,805	29.5	515,871	0.5	341,784	0.5
Feed	3,553	58.0	4,802,917	5.1	3,340,991	4.8
Fertilizer	3,732	60.9	6,220,804	6.5	3,406,809	4.9

Meats and groceries	482	7.9	141,530	0.1	111,576	0.2
Petroleum products	2,871	46.9	10,598,433	11.1	5,502,480	8.0
Seed.....	3,550	58.0	743,538	0.8	554,917	0.8
Miscellaneous supplies ⁶	4,269	69.7	1,864,720	2.0	1,270,609	1.8
Total farm supplies.....	54,952	80.8	28,104,678	29.5	16,362,124	23.7
Services provided:						
Trucking, cotton ginning, storage, grinding, locker plants, miscellaneous.....	54,608	75.2	71,394,386	1.5	71,394,386	2.0
Total business.....	56,125	100.0	95,098,614	100.0	69,150,336	100.0

¹Preliminary. Totals may not add due to rounding.

²The numbers are based on 1980 survey results, due to sampling procedures used in 1981.

³Number of cooperatives handling each commodity group is computed as a percentage of the total number of 6,211 active cooperatives listed.

⁴Includes 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.

⁵Because 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.

⁶Includes plant equipment, automotive supplies, hardware, chicks, and other supplies not separately classified.

⁷Charges for services related to marketing or purchasing but not included in the volume reported for those activities.

Table 7—Cooperative business volume¹ by commodity and State, 1981²

State	Beans and peas—dry edible		Cotton and cotton products		Dairy products		Fruits and vegetables	
	Gross	Net	Gross	Net	Gross	Net	Gross	Net
<i>1,000 dollars</i>								
Alabama			11,147	10,859	34,822 (³)	34,038 (³)	53	52
Alaska.....								
Arizona.....			308,390	306,576	153,611	153,611	111,703	24,235
Arkansas			27,822	21,646	128,635	128,635	13,326	13,326
California.....	39,697	39,697	981,795	850,445	999,086	998,034	2,519,620	1,741,650
Colorado.....	26,143	17,569			134,583	129,825	41,133	18,886
Connecticut.....					70,821	61,614	1,353	1,353
Delaware					13,834	13,834	3,200	3,152
Florida					328,556	321,115	1,150,421	679,733
Georgia.....					213,721	208,927	766	766
Hawaii.....					(³)	(³)	19,201	18,958
Idaho	16,226	16,176			202,684	183,252	74,963	74,963
Illinois.....					582,259	581,753	3,411	3,411
Indiana.....					257,401	253,332	11,162	11,162
Iowa					668,176	642,254	21,410	21,410
Kansas					208,185	208,146	186	186
Kentucky					207,172	199,895	762	762
Louisiana.....					165,598	163,893	381	381
Maine					21,248	19,309	13,737	13,737
Maryland			29,069	28,633	259,790	246,020	1,974	1,941
Massachusetts					72,464	64,227	140,177	140,177
Michigan.....	128,071	55,233			786,348	710,236	218,281	188,881
Minnesota					2,006,441	1,690,355	7,322	7,322

Mississippi		217,726	186,550	81,782	79,771	2,192	2,192
Missouri		3,027	2,416	399,536	399,502		
Montana	7,237			27,921	27,921	1,622	1,622
Nebraska				144,069	140,880		
Nevada		510	510	18,698	18,698		
New Hampshire				31,853	28,945		
New Jersey				52,992	49,665	76,092	76,092
New Mexico		23,464	21,570			4,183	4,183
New York	8,007			1,162,218	917,633	176,955	176,927
North Carolina		5,789	5,789	135,058	131,757	9,237	8,567
North Dakota	6,468	655		120,043	109,134	10,750	10,750
Ohio				455,580	442,290	28,161	28,161
Oklahoma		93,035	66,643	167,076	167,076	2,432	2,432
Oregon	673			207,103	178,079	236,601	236,601
Pennsylvania				890,937	822,656	191,927	183,844
Rhode Island				(3)	(3)		
South Carolina		2,533	2,533	36,268	35,499	3,733	2,583
South Dakota				182,842	133,285		
Tennessee		332	279	171,846	165,274	288	288
Texas		764,911	594,977	537,234	537,234	63,317	25,612
Utah				182,469	182,469	2,141	2,141
Vermont				263,279	250,680		
Virginia				290,844	279,530	12,291	11,750
Washington	9,484			645,876	286,231	502,642	454,582
West Virginia				39,422	38,004	3,695	3,524
Wisconsin				2,715,248	2,581,893	273,342	272,742
Wyoming	5,240	1,972		13,265	12,951		
Foreign ⁴				23,379	22,410	29,669	24,901
United States	247,246	2,469,549	2,099,426	16,572,275	15,051,776	5,985,812	4,495,937

See end of table for footnote references.

Table 7—Cooperative business volume¹ by commodity and State, 1981²—Continued

State	Grain, soybeans, and soybean meal and oil		Livestock and livestock products		Nuts		Poultry and poultry products	
	Gross	Net	Gross	Net	Gross	Net	Gross	Net
<i>1,000 dollars</i>								
Alabama	188,213	125,105	23,579	23,579	84,559	84,559	184,481	184,481
Alaska								
Arizona	20,965	20,965	43,964	43,964	12	12		
Arkansas	309,262	262,527	8,365	8,365	73	73	6,486	6,486
California	37,571	37,571	108,284	108,284	446,556	446,556	27,056	27,056
Colorado	277,834	235,813	184,979	184,978				
Connecticut							8,061	8,061
Delaware	10,546	8,618	437	393				
Florida	52,612	40,579			16,282	16,282	89,515	88,462
Georgia	184,504	147,636	22,185	22,185	65,951	65,951	303,971	303,887
Hawaii					3,394	3,394		
Idaho	213,814	127,505	12,567	12,567				
Illinois	3,790,978	2,358,917	577,709	560,651				
Indiana	1,734,528	1,048,889	182,894	182,877			34,024	16,915
Iowa	6,511,449	3,866,344	1,097,156	1,094,060			20,955	20,386
Kansas	2,383,913	1,469,645	75,906	75,906			145	145
Kentucky	39,448	37,004	61,787	60,575			436	300
Louisiana	288,816	137,938	434	434			145	145
Maine	723	723					2,722	2,722
Maryland	39,841	32,988	174	156			5,043	3,393
Massachusetts			2,200	2,200			4,701	4,701
Michigan	447,867	203,509	258,929	255,528			10,000	10,000
Minnesota	3,336,086	1,801,308	465,364	325,501			113,047	82,241

Mississippi	278,885	178,478	47,482	47,482	167	167	80,617	80,574
Missouri	2,621,182	1,260,189	447,856	446,723			398	398
Montana	355,697	210,362	7,115	6,643			15,319	7,104
Nebraska	1,594,778	1,192,204	757,208	757,208			1,800	1,800
Nevada	1	1					2,763	2,763
New Hampshire							3,825	3,825
New Jersey	9,234	9,234	8,230	8,230				
New Mexico	19,756	12,564			283	283		
New York	52,477	52,477	76,846	76,846			21,348	21,264
North Carolina	30,748	30,748	19,821	19,363	4,357	4,357	94,236	90,750
North Dakota	1,646,165	1,139,414	40,291	31,640				
Ohio	2,022,314	1,093,729	302,799	294,717			42,307	17,353
Oklahoma	697,489	400,870	134,649	134,649			96	96
Oregon	183,617	156,376			11,367	11,367	31,798	14,647
Pennsylvania	11,152	11,152	8,525	8,489			18,278	17,899
Rhode Island							(3)	(3)
South Carolina	78,383	64,992	801	801	3,160	3,160	5,927	5,632
South Dakota	942,999	484,673	108,216	105,857				
Tennessee	133,895	106,372	1,641	1,641	1	1	193	193
Texas	1,046,238	626,554	54,776	54,776	17,086	17,086	435	435
Utah	8,843	5,706	60,873	60,873			56,664	21,751
Vermont							25	25
Virginia	79,349	68,427	26,266	24,081	22,563	22,563	51,026	50,752
Washington	761,462	604,599	120	120			1,408	141
West Virginia			7,805	7,599			34,040	34,040
Wisconsin	73,082	73,082	351,493	143,406			18,413	18,413
Wyoming	8,731	8,731	2,460	2,460				
Foreign ⁴	73,614	22,853			36	36	8,171	8,171
United States	32,599,061	19,777,374	5,592,183	5,195,806	692,510	692,510	1,299,874	1,157,406

See end of table for footnote references.

Table 7—Cooperative business volume¹ by commodity and State, 1981²—Continued

State	Rice		Sugar products		Tobacco		Wool and mohair	
	Gross	Net	Gross	Net	Gross	Net	Gross	Net
<i>1,000 dollars</i>								
Alabama								
Alaska								
Arizona			1,471	1,471			119	119
Arkansas	400,445	400,445	490	490			81	81
California	439,210	439,210	800,725	789,577			5,779	2,858
Colorado			56,589	56,589			1,614	951
Connecticut					220	220		
Delaware								
Florida			226,427	226,427				
Georgia			981	981	10,951	10,951		
Hawaii			(⁵)	(⁵)				
Idaho			49,835	49,835			29	29
Illinois							912	912
Indiana							34	34
Iowa					1,016	1,016	1,726	
							3,331	1,754
Kansas			1,471	1,471				
Kentucky			7,503	7,503			1,841	779
Louisiana			1	1			93	93
Maine	65,191	65,191	113,860	113,859	128,381	128,381	47	47
Maryland					6,263	6,263		
Massachusetts								
Michigan			490	490			623	623
Minnesota			310,235	310,235			6,343	4,120

Mississippi	4,512	4,512	490	490	3,448	3,448	156	156
Missouri	6,650	6,650						
Montana			32,662	32,662			1,846	1,846
Nebraska			55,356	55,356			2,592	187
Nevada			490	490			268	268
New Hampshire							180	180
New Jersey							40	40
New Mexico			490	490				
New York			115	115			493	360
North Carolina					219,749	219,749		
North Dakota			153,150	153,150			21	21
Ohio			15,111	15,111	5,041	5,041	2,802	810
Oklahoma								
Oregon			43,800	43,800			249	249
Pennsylvania					1,172	1,172	29	29
Rhode Island							455	455
South Carolina					17,376	17,376		
South Dakota			3,432	3,432			15,900	11,237
Tennessee			1	1	34,987	34,987		
Texas	363,306	363,306	52,172	52,172				
Utah			1	1			5,126	2,338
Vermont								
Virginia					33,548	33,548	643	643
Washington			981	981			54	54
West Virginia					1,415	1,415	407	407
Wisconsin			981	981	8,250	8,250	963	487
Wyoming			4,709	4,709			5,311	3,319
Foreign ⁴			1,653	1,653				
United States	1,279,314	1,279,314	1,935,670	1,924,522	471,817	471,817	60,110	35,488

See end of table for footnote references.

Table 7—Cooperative business volume¹ by commodity and State, 1981²—Continued

State	Miscellaneous marketing ⁶		Total farm products marketed		Building materials		Containers and packaging supplies	
	Gross	Net	Gross	Net	Gross	Net	Gross	Net
<i>1,000 dollars</i>								
Alabama	47	47	526,900 ⁽³⁾	462,719 ⁽³⁾	4,109 ⁽³⁾	2,973 ⁽³⁾	418	418
Alaska					683	46	2,085	2,023
Arizona			640,235	550,953	7,544	3,530	1,810	1,809
Arkansas	1	1	894,988	842,077	11,801	10,275	132,805	21,835
California	59,908	59,908	6,465,286	5,540,846				
Colorado	1,920	1,384	724,795	645,995	5,542	2,990	2,080	780
Connecticut			80,454	71,248	5,291	3,253	108	66
Delaware			28,017	25,998	3,042	1,885	81	64
Florida	11,082	11,082	1,874,895	1,383,679	583	578	83,923	921
Georgia	192	192	803,222	761,476	6,951	5,387	885	885
Hawaii	2,944	2,944	25,568	25,325	434	131	685	559
Idaho	4,010	4,010	575,013	469,222	1,604	1,604	149	149
Illinois	5,292	4,754	4,959,683	3,509,521	24,366	20,279	295	295
Indiana	26	26	2,222,776	1,514,216	30,988	27,728	191	90
Iowa	902	364	8,324,850	5,648,043	92,239	81,959	18	16
Kansas	348	348	2,678,026	1,762,657	21,720	12,667	267	267
Kentucky			438,080	427,013	6,262	4,609	150	150
Louisiana	250	250	663,791	510,771	2,548	1,148	230	230
Maine	1,598	1,598	40,028	38,090	6,889	4,443	2,870	2,820
Maryland	1,190	1,190	314,275	291,952	6,177	4,050	50	33
Massachusetts			219,542	211,304	8,732	5,470	567	491
Michigan	6,592	6,054	1,857,202	1,430,554	18,522	15,823	3,945	3,401
Minnesota	6,376	6,376	6,311,214	4,227,458	38,773	35,790	1,437	1,236

Mississippi	2,027	2,027	713,197	579,561	4,579	3,330	1,199	1,199
Missouri			3,484,936	2,122,164	21,570	13,222	662	207
Montana	266	2	434,366	286,073	4,028	4,028		
Nebraska	13,556	13,556	2,582,879	2,166,496	20,257	13,856	45	6
Nevada	694	694	22,461	22,461	46	46	20	20
New Hampshire			34,796	31,888	2,123	1,308	43	26
New Jersey	229	229	150,643	147,316	8,670	5,408	1,292	1,225
New Mexico	3,253	3,253	51,429	42,344	22	22	346	346
New York	358	358	1,498,816	1,253,986	36,500	23,666	1,938	1,720
North Carolina			518,996	511,082	2,681		606	606
North Dakota	695	6	1,977,583	1,444,770	45,719	44,968	1,677	1,676
Ohio	500	500	2,874,615	1,897,711	15,288	10,136	1,744	1,741
Oklahoma	189	189	1,111,878	788,867	7,685	4,064	2,113	947
Oregon	8,769	8,769	723,757	650,224	5,844	5,844	5,347	5,284
Pennsylvania			1,122,446	1,045,666	36,918	21,900	2,802	2,251
Rhode Island			(3)	(3)	(3)	(3)	(3)	(3)
South Carolina			148,180	132,575	536	536	170	170
South Dakota	1	1	1,253,389	738,485	14,863	13,052	74	74
Tennessee	1	1	343,184	309,036	10,798	9,234	428	196
Texas	2,412	2,412	2,901,886	2,274,564	4,561	2,172	15,419	13,933
Utah	2,260	2,260	318,377	277,539	2,657	2,657	197	31
Vermont			263,304	250,705	7,367	4,513	533	475
Virginia			516,531	491,295	11,280	5,155	140	140
Washington	13,091	13,091	1,935,119	1,368,891	6,701	5,584	26,358	13,301
West Virginia	34	34	86,817	85,022	1,843	1,330	43	43
Wisconsin	737	199	3,442,508	3,099,453	4,562	2,868	703	511
Wyoming	391	3	40,108	34,146	591	591		
Foreign ⁴	803,989	801,489	940,511	881,514	1,407	1,000	22	13
United States	956,131	949,604	70,161,551	53,284,950	583,900	447,106	298,970	84,676

See end of table for footnote references.

Table 7—Cooperative business volume¹ by commodity and State, 1981²—Continued

State	Farm chemicals		Farm machinery and equipment		Feed		Fertilizer	
	Gross	Net	Gross	Net	Gross	Net	Gross	Net
1,000 dollars								
Alabama	43,144	24,397	5,503 ⁽³⁾	5,301 ⁽³⁾	137,040 ⁽³⁾	90,183 ⁽³⁾	160,483 ⁽³⁾	94,931 ⁽³⁾
Alaska								
Arizona	366	364	4,238	4,179	13,300	9,475	2,324	1,201
Arkansas	65,368	39,545	10,372	6,888	78,935	50,541	152,793	87,247
California	28,766	24,550	7,340	5,663	105,271	104,027	48,217	36,534
Colorado	21,781	8,581	5,328	1,619	72,387	34,356	65,089	39,486
Connecticut	5,194	2,255	2,527	1,551	71,250	57,167	8,053	3,997
Delaware	6,269	3,882	2,333	1,532	15,994	9,325	18,358	10,576
Florida	13,469	13,254	2,890	2,889	61,320	43,494	91,942	37,689
Georgia	29,807	22,052	6,939	6,939	149,228	100,856	102,485	67,376
Hawaii	826	481	196	83	3,951	3,864	2,314	942
Idaho	9,451	5,262	1,503	575	17,009	13,483	30,320	17,136
Illinois	245,120	138,070	14,105	6,792	218,115	139,719	652,121	321,352
Indiana	102,304	55,246	19,510	12,757	163,250	121,860	329,972	188,608
Iowa	298,728	178,786	21,850	8,796	701,310	384,848	803,964	447,947
Kansas	79,981	35,480	40,623	28,771	272,671	119,370	290,525	162,584
Kentucky	28,315	22,460	10,245	8,261	68,833	46,845	75,657	55,403
Louisiana	43,688	25,127	3,078	1,329	39,545	22,693	99,342	48,044
Maine	7,539	4,012	5,500	4,328	44,271	24,554	18,925	9,799
Maryland	20,100	14,281	9,601	7,535	59,415	39,015	55,345	36,987
Massachusetts	9,450	4,705	4,101	2,539	55,072	38,163	7,585	4,543
Michigan	31,489	21,365	7,818	7,172	66,232	53,609	124,910	60,715
Minnesota	180,188	91,472	50,652	24,380	346,783	186,349	548,481	243,391

Mississippi	108,423	71,801	4,240	2,238	105,404	35,064	216,951	108,758
Missouri	70,841	41,627	22,254	17,415	298,313	188,110	404,287	241,058
Montana	14,197	5,818	3,741	1,885	22,830	11,706	63,846	37,478
Nebraska	95,239	55,971	21,971	13,304	208,021	88,631	351,374	188,934
Nevada	18	18	25	25	204	204	68	68
New Hampshire	2,071	895	1,012	622	34,188	20,104	4,010	1,982
New Jersey	10,370	5,668	5,683	4,121	41,942	27,858	21,841	12,696
New Mexico	738	738	121	121	2,749	2,749	3,433	2,730
New York	55,447	25,800	33,699	23,672	290,097	242,213	117,900	60,730
North Carolina	21,453	14,309	5,005	880	90,107	81,473	58,749	39,056
North Dakota	45,968	27,767	27,845	23,615	60,379	23,753	161,683	89,209
Ohio	85,872	50,635	29,394	16,857	162,860	107,759	265,459	149,248
Oklahoma	24,282	6,481	8,314	3,573	102,104	37,675	106,103	65,362
Oregon	19,807	15,618	30,014	29,086	59,792	57,102	51,392	38,207
Pennsylvania	37,310	17,879	20,792	11,829	268,475	167,074	92,873	51,160
Rhode Island	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
South Carolina	6,681	6,447	735	735	16,861	14,355	19,692	18,829
South Dakota	37,474	20,921	8,492	4,452	110,121	64,457	104,086	62,911
Tennessee	66,256	31,673	11,756	9,663	179,423	99,407	168,796	73,202
Texas	68,042	41,188	10,748	4,628	81,605	48,685	181,989	105,774
Utah	4,879	2,366	3,127	2,570	50,749	49,528	56,349	9,522
Vermont	7,214	3,099	3,541	2,174	96,476	54,226	11,219	6,149
Virginia	43,133	28,747	13,056	8,231	140,196	117,576	172,088	73,762
Washington	32,141	20,135	24,362	21,372	62,177	59,836	93,521	50,391
West Virginia	7,159	5,342	2,605	1,980	35,487	29,654	18,150	12,561
Wisconsin	87,035	37,162	34,370	22,516	290,973	200,858	359,795	169,028
Wyoming	857	857	319	319	2,712	2,705	2,407	2,407
Foreign ⁴	1,030	443	896	701	14,581	4,077	113,234	28,574
United States	2,225,248	1,275,032	564,370	378,460	5,590,005	3,530,634	6,910,499	3,676,275

See end of table for footnote references.

Table 7—Cooperative business volume¹ by commodity and State, 1981²—Continued

State	Meats and groceries		Petroleum products		Seed		Miscellaneous supplies ⁷	
	Gross	Net	Gross	Net	Gross	Net	Gross	Net
<i>1,000 dollars</i>								
Alabama	55	55	21,966	21,807	33,848	22,149	25,640	10,514
Alaska					(³)	(³)	(³)	(³)
Arizona			1,034	1,034	907	866	21,654	14,785
Arkansas	497	497	91,969	59,577	18,942	10,252	31,420	20,054
California	25,468	11,571	24,591	1,467	27,646	26,360	59,619	48,864
Colorado	983	983	183,492	96,466	4,601	3,322	29,171	23,316
Connecticut	7	7	28,685	17,075	2,556	1,401	11,232	6,580
Delaware	90	56	56,021	22,151	3,377	2,047	7,891	4,495
Florida			7,309	7,308	4,239	3,910	6,904	6,731
Georgia			6,452	6,452	20,020	17,675	39,371	38,539
Hawaii	16	10	323	118	58	47	280	186
Idaho	120	120	88,070	49,532	6,352	5,709	21,869	15,102
Illinois	887	887	672,661	356,021	57,071	37,187	70,703	38,320
Indiana	606	606	445,503	281,254	15,649	12,760	28,712	25,290
Iowa	3,521	2,792	1,082,153	494,573	44,950	32,240	79,605	54,818
Kansas	5,291	5,291	740,833	271,091	8,945	8,524	80,026	61,217
Kentucky	709	544	148,167	85,504	17,286	13,091	24,187	16,764
Louisiana	201	201	22,243	10,142	23,034	16,109	24,117	18,553
Maine	53	53	38,319	26,709	3,041	1,656	15,518	9,936
Maryland	399	268	205,644	90,779	11,938	8,149	22,454	14,706
Massachusetts	69	69	43,111	25,630	5,145	3,281	19,205	11,761
Michigan	7,409	6,498	139,562	80,683	14,874	12,732	33,500	21,595
Minnesota	36,189	25,690	841,081	414,694	45,773	39,524	173,080	93,460

Mississippi	30,424	23,579	50,144	32,391	32,208	18,323	32,615	24,399
Missouri			455,446	294,730	50,087	38,042	64,334	28,057
Montana	1,526	1,526	173,870	96,141	2,678	1,392	52,934	39,326
Nebraska	27,142	27,142	687,603	332,349	7,137	6,225	62,966	48,367
Nevada			10	10	47	47	63	63
New Hampshire	4	4	28,710	17,100	1,015	553	4,248	2,387
New Jersey	5,161	25	86,477	61,256	4,831	2,984	20,992	13,549
New Mexico	90	90	3,814	3,814	474	446	982	982
New York	1,015	1,015	932,301	459,531	22,065	16,060	116,424	83,035
North Carolina	613	613	30,233	29,442	9,468	9,468	26,257	22,747
North Dakota	4,849	4,667	372,377	180,096	15,895	13,627	86,902	62,143
Ohio	4,335	3,428	285,634	189,613	40,951	30,164	32,532	25,737
Oklahoma	52	52	203,134	62,924	9,186	8,244	26,981	19,458
Oregon	1,338	1,338	95,432	56,893	11,302	10,359	34,429	27,662
Pennsylvania	140	140	508,313	298,285	19,500	11,879	77,995	47,078
Rhode Island			(3)	(3)	(3)	(3)	(3)	(3)
South Carolina	199	199	12,025	12,025	5,603	5,362	11,491	11,406
South Dakota	66	66	381,628	176,781	16,861	14,763	51,771	34,988
Tennessee			72,315	37,784	43,826	23,483	76,834	35,271
Texas	373	373	196,593	96,157	38,511	29,571	35,442	30,066
Utah			29,450	6,328	2,452	2,066	13,019	8,959
Vermont			43,422	25,941	3,472	1,855	15,542	9,029
Virginia	974	786	197,668	108,092	20,263	15,490	57,401	38,808
Washington	16,291	16,291	198,354	159,816	14,994	14,351	32,124	19,310
West Virginia	174	123	44,133	24,621	4,148	2,846	7,132	4,828
Wisconsin	33,146	24,209	612,084	324,663	27,145	17,419	119,556	84,768
Wyoming	1,617	1,617	19,977	19,977	506	506	2,876	2,876
Foreign ⁴	7,251		457,063	119,189	528	297	2,178	1,248
United States	219,350	163,480	11,067,399	5,646,014	775,403	574,816	1,892,180	1,282,137

See end of table for footnote references.

Table 7—Cooperative business volume¹ by commodity and State, 1981²—Continued

States	Total supplies			Services		Total		
	Gross	Net	Receipts ⁸	Cooperatives		Gross	Net	
	----- 1,000 dollars -----			No.		----- 1,000 dollars -----		
Alabama.....	432,176	272,728	5,628	84		964,705	741,075	
Alaska.....	(³)	(³)		1		(³)	(³)	
Arizona.....	46,591	33,971	9,070	16		695,897	593,995	
Arkansas.....	459,649	279,941	29,707	122		1,384,344	1,151,725	
California.....	471,524	291,145	80,657	240		7,017,399	5,912,648	
Colorado.....	390,455	211,899	13,511	84		1,128,761	871,405	
Connecticut.....	134,903	93,352	67	5		215,424	164,666	
Delaware.....	113,455	56,013	592	5		142,064	82,603	
Florida.....	272,579	116,775	41,962	66		2,189,435	1,542,416	
Georgia.....	362,138	266,161	4,389	21		1,169,749	1,032,026	
Hawaii.....	9,083	6,421	680	24		35,399	32,426	
Idaho.....	176,449	108,673	7,896	62		759,358	585,790	
Illinois.....	1,955,445	1,058,923	71,632	287		6,986,760	4,640,076	
Indiana.....	1,136,685	726,200	31,785	98		3,391,246	2,272,201	
Iowa.....	3,128,338	1,686,775	141,013	383		11,594,200	7,475,830	
Kansas.....	1,540,881	705,263	84,714	246		4,303,621	2,552,634	
Kentucky.....	379,810	253,631	5,409	71		823,299	686,052	
Louisiana.....	258,025	143,576	10,716	92		932,532	665,062	
Maine.....	142,924	88,309	1,897	10		184,849	128,296	
Maryland.....	391,122	215,804	3,408	31		708,805	511,163	
Massachusetts.....	153,036	96,652	336	14		372,914	308,292	
Michigan.....	448,261	283,591	14,590	119		2,320,053	1,728,736	
Minnesota.....	2,262,437	1,155,986	70,597	722		8,644,248	5,454,041	

Mississippi	555,763	297,504	14,702	126	1,283,662	891,766
Missouri	1,418,217	886,047	28,745	131	4,931,898	3,063,955
Montana	339,650	199,301	5,552	142	779,567	490,925
Nebraska	1,481,755	774,786	39,651	275	4,104,284	2,980,932
Nevada	501	501	363	3	23,326	23,326
New Hampshire	77,425	44,983	342	3	112,563	77,214
New Jersey	207,259	134,789	2,980	25	360,882	285,086
New Mexico	12,769	12,038	3,971	22	68,170	58,353
New York	1,607,385	937,443	21,462	233	3,127,663	2,212,891
North Carolina	245,171	198,593	2,313	32	766,481	711,988
North Dakota	823,294	471,521	21,730	422	2,822,607	1,938,020
Ohio	924,069	585,318	37,144	184	3,835,828	2,520,172
Oklahoma	489,954	208,778	36,443	144	1,638,274	1,034,088
Oregon	314,696	247,392	35,615	58	1,074,068	933,231
Pennsylvania	1,065,117	629,474	6,993	89	2,194,556	1,682,133
Rhode Island	(3)	(3)	(3)	1	(3)	(3)
South Carolina	73,994	70,065	169	13	222,343	202,810
South Dakota	725,436	392,464	18,607	242	1,997,432	1,149,555
Tennessee	630,431	319,913	5,419	104	979,094	634,428
Texas	633,284	372,546	146,103	404	3,681,274	2,793,213
Utah	162,881	84,027	10,471	28	491,728	372,037
Vermont	188,786	107,461	749	10	452,839	358,915
Virginia	656,198	396,785	6,627	106	1,179,355	894,701
Washington	507,024	380,387	60,974	129	2,503,116	1,810,252
West Virginia	120,873	83,327	1,161	47	208,852	169,511
Wisconsin	1,569,370	884,004	48,117	412	5,060,055	4,031,634
Wyoming	31,862	31,856	1,568	23	73,538	67,569
Foreign ⁴	598,192	155,542	2,040		1,540,743	1,039,095
United States	30,127,323	17,058,631	1,190,385	6,211	101,479,260	71,533,967

See next page for footnote references.

Footnotes to table 7.

¹Data covering operations of cooperatives whose business years ended during the 1981 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.

²Gross business volume includes sales between cooperatives. Net business volume excludes sales between cooperatives. Totals may not add due to rounding.

³Dollar volume is not shown to avoid disclosing operations of individual cooperatives.

⁴Includes 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.

⁵Included in dollar volume of California.

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

⁷Includes automotive supplies, hardware, chicks, and other supplies not separately classified.

⁸Receipts for services related to marketing and purchasing activities but not included in the volumes reported for these activities.

Balance Sheet

Combined assets for all farmer cooperatives totaled \$28.6 billion in 1982, down 1 percent from the \$28.8 billion for 1981 (table 8). Assets of cooperatives, eliminating intercooperative investments, were \$25.8 billion in 1982 compared with \$26.3 billion in 1981, a 1.7-percent decrease.

Total liabilities were \$17.4 billion in 1982, down 2.9 percent from the \$17.9 billion reported in 1981. Net worth, or member and patron equity, was 11.2 billion, up 2.2 percent from the \$10.9 billion net worth for 1981. The proportion of total assets financed by equity went up from 37.9 to 39.1 percent.

Of the \$28.6 billion in total assets, marketing cooperatives accounted for nearly \$17.2 billion, 2.2 percent more than the \$16.8 billion for 1981 (table 9). Cooperatives whose principal products were grain, soybeans, and soybean meal and oil had total assets of nearly 6.6 billion in 1982 and \$6.7 billion in 1981, a 2.2-percent decrease. These cooperatives also maintained the largest proportion of investment in other cooperatives in both 1982 (16.5 percent) and 1981 (13.3 percent).

Assets of marketing cooperatives, excluding investments in other cooperatives, were \$15.7 billion. This compares with \$15.5 billion reported in 1981.

Table 8—Selected balance sheet data for farmer cooperatives by principal products marketed and major function, 1982

Principal products marketed and major function	Cooperatives ¹	Total assets	Total liabilities	Net worth
	<i>Number</i>		<i>1,000 dollars</i>	
Products marketed:				
Cotton and cotton products	437	1,292,746	789,189	503,557
Dairy products	427	3,831,590	2,498,099	1,333,491
Fruits & vegetables	362	2,835,496	2,000,699	834,797
Grain, soybeans, and soybean meal & oil	1,729	6,592,298	3,466,427	3,125,871
Livestock, wool, and products	539	119,095	57,223	61,872
Poultry products	21	556,021	405,454	150,567
Rice	54	481,957	305,406	176,551
Sugar products	46	988,693	678,946	309,747
Other products ²	99	453,199	258,084	195,115
Total farm products	3,714	17,151,095	10,459,527	6,691,568
Total farm supplies	2,299	11,332,498	6,887,493	4,445,005
Total related services	112	69,139	46,533	22,606
Combined total	6,125	28,552,732	17,393,553	11,159,179

¹Many cooperatives are multiproduct and multifunctional in operations and are classified according to predominant commodity or function indicated by business volume.

²Includes dry edible beans and peas, nuts, tobacco, and miscellaneous products.

Farm supply cooperatives had total assets of more than \$11.3 billion in 1982, compared with \$11.9 billion in 1981. Excluding intercooperative investments, assets amounted to \$10 billion in 1982, down 5.8 percent from 1981.

Current and term liabilities of marketing cooperatives totaled nearly \$10.5 billion in 1982, compared with nearly the same amount in 1981. This represented more than half (60.1 percent) of total liabilities for all cooperatives in 1982 as well as in 1981 (58.5 percent). Grain marketing cooperatives showed nearly \$3.5 billion, a 7.5-percent decrease from 1981. Combined liabilities financed 60.9 percent of total cooperative assets.

Net worth or member and patron equity for all marketing cooperatives totaled nearly \$6.7 billion in 1982 and \$6.3 billion in 1981. Marketing cooperatives again maintained more than half the total (60 percent), while farm supply cooperatives accounted for 39.8 percent. The highest percent of total assets represented by net worth for all marketing

Table 9—Assets of farmer cooperatives by principal products marketed and major function, 1982

Principal products marketed and major function	Assets from own operations	Investments in other cooperatives	Total assets	Investments in other coops as percent of total
	-----1,000 dollars-----			Percent
Products marketed:				
Cotton and cotton products	1,203,223	89,523	1,292,746	6.9
Dairy products	3,545,649	285,941	3,831,590	7.5
Fruits & vegetables	2,769,901	65,595	2,835,496	2.3
Grain, soybeans, and soybean meal & oil.....	5,657,536	934,762	6,592,298	14.2
Livestock, wool, and products	116,340	2,755	119,095	2.3
Poultry products	513,877	42,144	556,021	7.6
Rice	473,833	8,124	481,957	1.7
Sugar products.....	982,645	6,048	988,693	0.6
Other products ¹	448,210	4,989	453,199	1.1
Total farm products.....	15,711,214	1,439,881	17,151,095	8.4
Total farm supplies.....	10,022,126	1,310,372	11,332,498	11.6
Total related services	68,500	639	69,139	0.9
Combined total.....	25,801,840	2,750,892	28,552,732	9.6

¹Includes dry edible beans and peas, nuts, tobacco, and miscellaneous products.

cooperatives (52 percent) was for cooperatives primarily marketing livestock, wool, and products. The lowest percent (27.1 percent) was for cooperatives primarily marketing poultry products. Cooperatives classified as farm marketing and farm supply had 39 and 39.2 percent, respectively.

Net Margins

Total net margins for all cooperatives in 1982 were more than \$854 million, including intercooperative dividends and refunds of \$294 million.⁷ This was down 40.7 percent from 1981 net margins of \$1.4 billion. Intercooperative dividends were down 47.3 percent from 1981 dividends of \$558 million.

⁷Net margins include cooperatives' net earnings and net losses.

Table 10—Farmer cooperative net margins¹ by principal products marketed and major function, 1982

Principal products marketed and major function	Total net margins	Margins from own operations	Margins from other cooperatives
<i>1,000 dollars</i>			
Products marketed:			
Cotton and cotton products	113,994	93,859	20,135
Dairy products	184,742	171,076	13,666
Fruits & vegetables	44,031	40,292	3,739
Grain, soybeans, and soybean meal & oil	276,484	179,242	97,242
Livestock, wool, and products	6,314	5,958	356
Poultry products	9,365	9,000	365
Rice	12,454	11,416	1,038
Sugar products	22,525	22,310	215
Other products ²	14,473	13,924	549
Total farm products	684,382	547,077	137,305
Total farm supplies	163,728	7,031	156,697
Total related services	6,206	6,158	48
Combined total	854,316	560,266	294,050

¹Cooperatives operating on a pooling basis are not included.

²Includes dry edible beans and peas, nuts, tobacco, and miscellaneous products.

Marketing cooperatives' net margins (\$684 million) were 11.7 percent below the \$775 million generated in 1981 (table 10). Also, marketing cooperatives' net margins accounted for 80.1 percent of total net margins and 0.9 percent of gross sales volume. Total net margins for marketing cooperatives whose principal products were grain, soybeans, and soybean meal and oil decreased 28 percent from 1981 but maintained the largest percent of marketing cooperative net margins in both 1982 (40.4 percent) and 1981 (49.5 percent).

Farm supply cooperatives' total net margins (\$164 million) dropped severely from the \$657 million in 1981—a decrease of 75.1 percent. In 1981, farm supply cooperatives generated 45.6 percent of cooperatives' total net margins compared to only 19.2 percent in 1982. The largest drop in net margins generated by farm supply cooperatives came from their own operations—from \$386 million in 1981 to \$7 million in 1982. The

decline in net margins is mainly due to large losses incurred by several of the larger cooperatives.

Farmer cooperatives' net margins from their operations in 1982 totaled \$560 million—down 36.5 percent from \$882 million reported in 1981. Almost 34.4 percent, or \$294 million, of total net margins were generated from other cooperatives, compared with 38.8 percent in 1981. Marketing cooperatives' net margins from other cooperatives decreased to 20.1 percent of the total in 1982 from 36.9 percent in 1981. Nearly 35.2 percent of the net margins generated by grain cooperatives came from other cooperatives.

Other Service Organizations

Other types of service cooperatives or organizations were operating in 1982 besides those directly related to marketing and farm supply purchasing. Additional statistical data are shown in table 11.

Federal Land Bank Associations

Federal land bank associations totaled 476 and operated throughout the United States and the associated Commonwealth of Puerto Rico with nearly 668,000 memberships. Texas led all States, with 11.6 percent of the total number of associations and 6 percent of total members. Wyoming ranked first with 11.6 percent of total loans made, and California second with 8.2 percent. The associations made loans of more than \$8.5 billion to farm members.

Production Credit Associations

Production credit associations, totaling 421, made loans of more than \$32.8 billion to 501,608 stockholders.

Texas was the leader again with 7.1 percent of total associations. North Carolina led in number of stockholders with 8.1 percent of the total, while California again led in loans made with 9.9 percent.

Banks for Cooperatives

Thirteen banks for cooperatives made loans of more than \$23.3 bil-

lion to 3,050 agriculturally oriented member cooperatives.

Minnesota again led all States with 10.6 percent of total members; Iowa was second with nearly 9.3 percent. However, California was the leader in loans made, with 15 percent of the total.

Rural Credit Unions

Rural credit unions numbered 1,046 with 2,458,421 members holding share savings of more than \$3.6 billion in 1982.

Wisconsin led all States in number of associations with 11.2 percent of total, while California led in members with 22.2 percent of the total and in share savings with 24.1 percent of the total.

Rural Electric Cooperatives

Rural electric cooperatives, totaling 926, reported 9.3 million consumer members and revenue of more than \$13.6 billion.

Texas led all States, with 8.6 percent of total associations, 9.3 percent of total consumer memberships, and 7.7 percent of total revenue.

Rural Telephone Cooperatives

Rural telephone cooperatives, totaling 255, with revenues of more than \$455 million, had 973,864 subscriber members. These cooperatives were all financed by the Rural Electrification Administration (REA).

Iowa had the largest number of cooperatives (14.5 percent of the total), while Texas accounted for more subscriber memberships (8.8 percent) and revenue (11.4 percent) than any other State.

Dairy Herd Improvement Associations

Dairy herd improvement associations totaled 1,051. Memberships numbered 40,841, and cows tested totaled nearly 3.4 million.

Minnesota accounted for 74, or 7 percent, of the total number of associations. New York (3,057), Pennsylvania (3,978), Minnesota (4,741), and Wisconsin (6,305), combined accounted for 44.3 percent of total members. Nearly 508,000, or more than 14.9 percent of the cows tested, were in California.

Table 11 — Number, participation, and level of activity of service cooperatives by State¹

States	Federal Land Banks ²			Production Credit Associations ²			Banks for Cooperatives ²		
	Cooperatives	Members	Loans made during year	Cooperatives	Stockholders	Loans made during year	Members	Loans made during year	
	No.		1,000 dol.		No.	1,000 dol.	No.	1,000 dol.	
Alabama	12	16,084	105,411	8	8,449	314,317	23	123,216	
Alaska	(3)	181	9,490				3	108,100	
Arizona	1	719	25,375	2	1,021	364,434	10	31,104	
Arkansas	11	10,921	148,578	14	11,823	774,143	52	561,443	
California	25	19,687	699,264	22	17,809	3,234,775	104	3,506,008	
Colorado	12	13,536	181,210	8	4,250	1,122,794	62	223,286	
Connecticut	1	2,624	30,562	1	2,602	75,338	1	11	
Delaware	1	1,091	14,080	1	1,134	35,905			
Florida	7	12,008	207,162	9	7,106	455,523	39	688,385	
Georgia	15	29,191	209,925	20	14,767	609,606	15	456,698	
Hawaii	1	429	27,022	1	446	68,040	2	19,150	
Idaho	11	11,714	101,542	5	6,842	830,537	25	60,506	
Illinois	17	30,225	341,954	17	15,238	1,077,448	173	919,865	
Indiana	23	23,916	222,542	10	23,284	1,196,665	85	818,995	
Iowa	18	38,836	567,238	16	12,239	2,345,967	283	1,519,842	
Kansas	14	31,324	296,668	13	4,481	1,028,178	214	2,098,667	
Kentucky	10	13,207	101,798	9	28,775	692,009	47	324,529	
Louisiana	9	11,093	168,898	7	9,812	409,033	48	2,018,586	
Maine	2	894	7,665	2	1,339	44,519	4	10,645	
Maryland	5	4,925	52,011	5	5,787	102,457	12	11,616	
Massachusetts							8	327,781	
Michigan	10	23,342	223,655	8	11,457	736,361	49	288,653	
Minnesota	17	32,518	423,729	16	15,247	1,862,893	324	2,548,150	

Mississippi	12	12,283	161,557	10	12,332	494,972	45	405,519
Missouri	12	22,600	143,268	12	19,419	850,740	41	894,894
Montana	10	9,376	126,560	11	7,516	777,393	51	45,026
Nebraska	8	21,675	317,174	14	8,838	1,654,410	156	282,795
Nevada	1	574	14,474	1	474	98,793	2	440
New Hampshire					(4)			
New Jersey	3	2,148	19,752	3	1,791	49,743	4	1,305
New Mexico	4	2,809	48,845	4	1,303	231,750	17	14,746
New York	12	11,470	89,867	12	14,085	247,581	101	470,257
North Carolina	15	38,181	227,685	17	40,515	606,855	11	123,893
North Dakota	8	14,241	231,695	5	10,866	956,460	198	515,068
Ohio	19	16,815	168,319	11	33,961	1,082,849	102	492,609
Oklahoma	10	20,354	215,584	13	7,228	803,604	106	248,121
Oregon	10	8,338	104,377	8	6,585	703,993	36	496,468
Pennsylvania	9	11,191	87,322	9	15,456	263,005	24	128,083
Rhode Island								
South Carolina	9	17,625	96,115	10	13,479	260,658	4	1,250
South Dakota	6	14,463	106,562	9	5,154	717,097	68	64,551
Tennessee	12	17,349	98,338	9	27,667	527,134	78	205,487
Texas	55	40,305	362,127	30	20,382	2,072,560	142	1,175,481
Utah	3	3,287	54,374	2	1,998	328,420	11	78,244
Vermont	2	1,917	18,032	2	2,147	36,902	4	12,995
Virginia	8	14,821	94,519	8	12,196	172,655	30	316,225
Washington	9	10,632	137,196	6	5,350	650,573	93	381,350
West Virginia	2	2,658	14,298	2	2,835	20,188	9	640
Wisconsin	13	18,772	401,025	17	23,937	1,627,464	128	285,740
Wyoming	1	2,584	991,185	1	777	204,529	4	1,969
Puerto Rico	1	2,978	15,563	1	1,409	15,419	2	1,403
United States	476	667,911	8,511,592	421	501,608	32,836,689	3,050	23,309,795

See end of table for footnote references.

Table 11 — Number, participation, and level of activity of service cooperatives by State¹ — Continued

States	Rural Credit Unions ⁵			Rural Electric Cooperatives ⁶			Rural Telephone Cooperatives ⁶		
	Cooperatives	Members	Share/ savings	Cooperatives	Members (consumers)	Revenue 1,000 dol.	Cooperatives	Members (subscribers)	Revenue 1,000 dol.
	No.				No.			No.	
Alabama	14	16,842	21,244	22	297,627	363,629	3	17,614	5,857
Alaska	2	12,343	22,110	13	116,586	167,837	7	21,809	22,958
Arizona	11	15,778	12,147	7	71,522	248,335	1	2,323	3,046
Arkansas	5	3,334	3,053	20	274,631	460,996	2	5,709	2,694
California	89	546,867	871,200	3	10,822	7,820			
Colorado	22	24,233	23,875	24	249,876	574,553	6	7,158	5,024
Connecticut	3	4,002	3,446						
Delaware	1	1,621	3,103	1	31,671	25,402			
Florida	28	58,276	64,336	16	423,089	420,728			
Georgia	23	18,338	13,707	43	720,030	904,607	4	19,151	6,830
Hawaii	22	75,356	162,985						
Idaho	22	13,741	14,560	9	40,913	32,666	3	8,720	4,622
Illinois	22	46,121	49,133	30	204,417	287,564	7	22,653	8,874
Indiana	28	29,823	82,633	43	311,472	477,890	9	21,809	8,886
Iowa	22	11,352	10,427	52	172,089	306,924	37	49,851	17,585
Kansas	40	66,757	144,649	37	165,724	270,331	11	37,786	20,580
Kentucky	8	12,761	9,039	28	443,368	926,335	8	67,456	22,932
Louisiana	14	15,108	12,901	14	291,604	605,783			
Maine	12	18,412	15,689	4	12,185	6,432			
Maryland	11	32,678	48,149	2	90,079	94,182			
Massachusetts	10	11,467	11,569						
Michigan	34	280,917	245,559	15	181,043	160,501			
Minnesota	47	112,776	151,636	50	421,867	685,976	19	58,923	22,306

Mississippi	9	4,798	1,671	23	404,611	529,996	8	43,259	17,999
Missouri	12	21,470	23,538	47	415,838	813,022			
Montana	29	49,538	110,879	25	88,558	91,211	10	35,323	30,570
Nebraska	15	8,705	7,247	4	11,639	95,183	7	12,267	5,205
Nevada	7	19,981	33,476	3	12,888	14,540			
New Hampshire	3	1,259	540	1	45,917	30,384			
New Jersey	9	11,933	7,280	1	7,908	6,031			
New Mexico	8	27,707	69,308	17	119,355	209,873	5	8,990	8,427
New York	34	89,175	107,655	4	10,607	5,172			
North Carolina	27	34,552	25,069	29	455,160	338,968	9	76,320	21,441
North Dakota	48	73,005	178,286	26	94,153	550,901	10	51,131	27,508
Ohio	21	36,916	23,749	28	229,602	365,376	7	5,640	1,572
Oklahoma	7	6,817	9,991	27	313,672	471,985	2	30,651	20,189
Oregon	16	35,381	50,047	14	91,659	94,354	10	31,419	17,533
Pennsylvania	27	24,299	19,568	13	153,735	153,331			
Rhode Island	7	14,581	58,948						
South Carolina	5	6,386	7,891	22	325,919	360,966	6	78,907	32,803
South Dakota	19	9,766	11,601	34	103,679	184,338	14	41,140	19,249
Tennessee	15	11,202	10,379	20	512,729	482,142	7	79,912	26,463
Texas	41	44,072	72,288	80	866,567	1,058,379	21	85,285	51,878
Utah	17	11,561	9,355	5	20,116	98,830	3	6,766	4,603
Vermont	14	12,860	9,395	2	16,279	10,473			
Virginia	16	14,288	12,294	14	232,438	209,781	5	11,802	4,272
Washington	22	87,641	133,689	9	50,181	44,759			
West Virginia	5	3,328	1,408	1	4,224	2,033	2	2,266	829
Wisconsin	117	363,117	613,749	30	162,463	278,352	11	30,917	11,840
Wyoming	6	5,180	4,201	14	66,183	119,580	1	907	498
Grand Total	1,046	2,458,421	3,610,652	926	9,346,695	13,648,450	255	973,864	455,073

See end of table for footnote references.

Table 11 — Number, participation, and level of activity of service cooperatives by State¹ — Continued

States	Dairy Herd Improvement ⁷			Dairy Herd Improvement ⁷		
	Cooperatives ⁸	Members (herds)	Cows tested	Cooperatives ⁸	Members (herds)	Cows tested
		<i>Number</i>			<i>Number</i>	
Alabama.....	17	207	25,683	Nevada.....	4	11,611
Alaska.....	1	1	68	New Hampshire.....	8	14,239
Arizona.....	1	135	56,492	New Jersey.....	5	15,245
Arkansas.....	34	259	16,444			
California.....	25	1,327	507,892	New Mexico.....	4	35,274
				New York.....	48	220,398
Colorado.....	6	246	33,513	North Carolina.....	21	68,404
Connecticut.....	6	309	25,299	North Dakota.....	13	11,132
Delaware.....	1	51	4,826	Ohio.....	1	109,176
Florida.....	10	70	21,436			
Georgia.....	29	333	42,113	Oklahoma.....	19	24,797
				Oregon.....	10	48,188
Hawaii.....	1	7	3,908	Pennsylvania.....	60	231,024
Idaho.....	26	536	57,279	Rhode Island.....	3	1,455
Illinois.....	44	1,248	73,967	South Carolina.....	11	31,865
Indiana.....	46	936	56,884			
Iowa.....	53	1,448	73,935	South Dakota.....	17	17,960
				Tennessee.....	43	67,132
Kansas.....	45	781	53,469	Texas.....	34	94,359
Kentucky.....	38	573	37,838	Utah.....	16	44,058
Louisiana.....	15	305	30,920	Vermont.....	23	63,055
Maine.....	12	483	25,319			
Maryland.....	11	646	56,861	Virginia.....	42	93,460
				Washington.....	16	92,392
Massachusetts.....	6	336	19,468	West Virginia.....	8	13,386
Michigan.....	1	1,602	129,438	Wisconsin.....	32	349,523
Minnesota.....	74	4,741	243,944	Wyoming.....	8	2,582
Mississippi.....	25	308	29,852			
Missouri.....	41	955	64,192	Grand total.....	1,051	3,397,653
Montana.....	7	114	9,777			
Nebraska.....	30	543	36,121			

¹For year ended December 31, 1982.

²Farm Credit Administration.

³Listed by location of cooperative headquarters.

⁴Served by PCA in Connecticut.

⁵Credit Union National Association, Inc. (Includes federally chartered and State-chartered credit unions.)

⁶Rural Electrification Administration, USDA.

⁷Agricultural Research Service, USDA.

⁸Official DHI (includes Dairy Herd Improvement Registry).

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.