



**AgEcon** SEARCH  
RESEARCH IN AGRICULTURAL & APPLIED ECONOMICS

*The World's Largest Open Access Agricultural & Applied Economics Digital Library*

**This document is discoverable and free to researchers across the globe due to the work of AgEcon Search.**

**Help ensure our sustainability.**

Give to AgEcon Search

AgEcon Search  
<http://ageconsearch.umn.edu>  
[aesearch@umn.edu](mailto:aesearch@umn.edu)

*Papers downloaded from **AgEcon Search** may be used for non-commercial purposes and personal study only. No other use, including posting to another Internet site, is permitted without permission from the copyright owner (not AgEcon Search), or as allowed under the provisions of Fair Use, U.S. Copyright Act, Title 17 U.S.C.*

## **Historic, Archive Document**

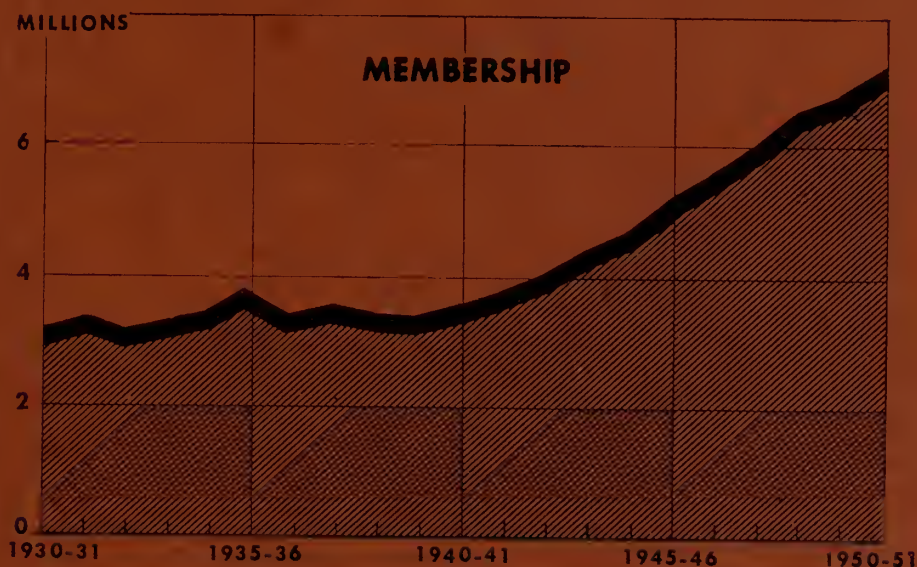
Do not assume content reflects current scientific knowledge, policies, or practices.



166.3  
11768  
Cap 2

# STATISTICS *of* FARMERS' MARKETING, PURCHASING *and* *Service Cooperatives, 1950-51*

BY ANNE L. GESSNER



COOPERATIVE RESEARCH AND SERVICE DIVISION  
FARM CREDIT ADMINISTRATION  
U. S. DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

# CONTENTS

	<u>Page</u>
Introduction-----	1
Recent changes in compiling statistics-----	1
Definition of terms used-----	3
Number of cooperatives reporting-----	4
Estimates for nonreporting associations-----	5
Number of associations and membership-----	5
Volume of business-----	9
Total volume by States and geographic areas-----	12
Total farm products marketed for patrons-----	13
Dry beans-----	13
Cotton and cotton products-----	14
Dairy products-----	14
Fruits and vegetables-----	15
Grain, soybeans, soybean meal, and soybean oil-----	15
Livestock and livestock products-----	15
Nuts-----	16
Poultry products-----	17
Rice-----	17
Tobacco-----	17
Wool and mohair-----	18
Miscellaneous-----	18
Total farm supplies purchased for patrons-----	18
Farm machinery and equipment-----	19
Feed-----	19
Fertilizer-----	20
Petroleum products-----	20
Seed-----	21
Other supplies-----	21
Services-----	22
Appendix-----	31



# STATISTICS OF FARMERS' MARKETING, PURCHASING, AND SERVICE COOPERATIVES, 1950-51

By

Anne L. Gessner  
*Agricultural Economist*

For almost 25 years the Cooperative Research and Service Division of the Farm Credit Administration has compiled statistics annually on farmers' cooperatives to show the extent to which farmers are marketing their products and purchasing their supplies through cooperatives. This information, supplied voluntarily each year by cooperatives, is used widely by farm organizations, various agricultural agencies, high schools and colleges, and many students and research workers.

## RECENT CHANGES IN COMPILING STATISTICS

To meet changing needs, cooperatives have greatly expanded their activities in recent years. Marketing cooperatives, for example, now generally market a wide variety of commodities and furnish many marketing services. More of them purchase supplies for their members. Likewise, many purchasing associations, in addition to broadening the field of their farm supply operations, now provide various marketing services. Therefore, in order to reflect more accurately the diversified operations farmers carry on through their cooperatives, basic statistical procedures used by the Cooperative Research and Service Division in compiling its statistics on farmers' cooperatives were completely revised for the 1950-51 survey.

The 1950-51 estimates cover the business of cooperatives whose fiscal years ended in the period July 1, 1950, through June 30, 1951, with a few exceptions. This period represents the 1950 crop year. These estimates were developed from new forms on which reporting cooperatives supplied more extensive information than in previous years. In the past, total dollar volumes were broadly grouped according to the major activity of each association. Under the new method, the marketing and purchasing business is shown for various commodities, irrespective of the type of association doing the business.

For example, in previous years, all the marketing business of an association which did more than 50 percent of its business in poultry was shown for poultry. This meant that the poultry figure was credited with any sideline enterprise of the poultry cooperative, such as marketing livestock products. However, in the method used for the 1950-51 statistics, the business volume of each cooperative is broken down to

NOTE: Acknowledgment is made to the Committee on Statistics of the Cooperative Research and Service Division for assistance in planning the method of presenting the data in this report and to Pauline T. Gartside for help in compiling the statistics.

show the actual amount of poultry, dairy, or other products handled, and this amount is credited to the proper commodity. Thus the 1950-51 statistics cover the total sales of a particular commodity or a group of related commodities, such as fruits and vegetables, whether or not the cooperative specializes in that commodity.

In addition to obtaining information on individual farm products marketed, dollar volume data were obtained for the principal types of supplies handled. This information is given for six categories of supplies for all marketing and purchasing cooperatives.

Another important change in the 1950-51 statistics is the allocation of membership according to the State in which the member is located. Similarly, business is credited to the State in which the patron is located. In the past, membership and business were credited to the States in which the associations had their headquarters. On the new forms used in obtaining the 1950-51 figures, large-scale centralized and federated associations reported the percentage of their membership located in each of the States served by the cooperative. On the dollar volume of products marketed, they indicated the proportion of the total which originated in each State. Similarly, on farm supplies and equipment bought by patrons, these associations indicated the percentage of total purchases made by patrons in each State they serve.

Another change made in the 1950-51 statistics is the addition of a classification for cooperatives engaged only in providing services related to marketing and purchasing. In previous tabulations, associations that stored potatoes, for example, were included in the fruit and vegetable classification. In this report, associations doing trucking, storing, locker plant, and similar service operations are included in the service group. There are two exceptions, however, to this classification. Livestock trucking associations and cotton ginning associations still remain in the respective livestock and cotton classification for tabulation of the number of associations and members, although their service receipts are classified separately from their marketing receipts.

One other change made in compiling the 1950-51 statistics has been to exclude miscellaneous revenue from the total business figure. In previous years, receipts from rent, interest, and similar revenue derived from other than marketing or supply operations, were included in the total dollar volume for each association. In the 1950-51 statistics, however, only receipts from marketing farm products, selling farm supplies, or performing service operations related to marketing or purchasing activities, are included in the total dollar volume of each association.

To obtain data on a uniform basis from all cooperatives, four basic questionnaires were used in the 1950-51 survey, rather than a different one for the associations grouped in each major commodity category. These four questionnaires were devised to apply to local, regional, bargaining, and service associations.



Because of these important changes in reporting membership and dollar volume of business, the statistics for 1950-51 cannot be compared directly with prior years for which data are included in the appendix, pages 31 to 39. Although comparisons with statistics for previous years and trends cannot be shown, nevertheless, it is believed that this disadvantage is more than offset by the advantages which come from more precise measurement of cooperative activity.

The amount of data it is practical to obtain annually by mail questionnaire is necessarily limited. Therefore, other types of information, such as physical quantities of each commodity handled or amounts of supplies handled which are manufactured in cooperative plants, and similar data of a more detailed character, must be obtained through special surveys.

### DEFINITION OF TERMS USED

The definition of a bona fide cooperative, as used in this survey, is broader than that employed in some States. Associations which meet the following requirements are included: (1) Farmers hold the controlling interest in the association; (2) no member of the association is allowed more than one vote because of the amount of stock or membership capital he owns therein, or, the association does not pay dividends on stock or membership capital in excess of 8 percent per year; and (3) the association does not deal in products of non-members to an amount greater in value than it handles for its members. These are essentially the requirements for a bona fide cooperative stated in the Capper-Volstead Act.

Classification of these associations by commodity groups for the purpose of tabulating number of associations and number of members is somewhat arbitrary. Each association is classified in one of the broad commodity groups shown in table 1 according to the commodity which represents the largest percentage of its dollar volume of business. On this basis, a cooperative's classification may change as the nature of its business changes. Beginning with the 1950-51 survey, changes in the operations of reporting associations will be accurately reflected in dollar volume figures, inasmuch as actual sales of major commodities handled are now reported by each association.

The History and Statistics Section maintains the "large-scale" classification shown in table 1 for convenience and accuracy in obtaining information from reporting cooperatives. It includes: (1) All federated associations; (2) large-scale centralized associations -- generally serving more than 8 or 10 counties; (3) some associations, which, while not large-scale in volume of business, market products or sell supplies to both local associations and individual producers, or operate in more than one State; and (4) all bargaining associations.



## NUMBER OF COOPERATIVES REPORTING

The total number of cooperatives reporting in 1950-51, classified according to major commodity groups, is shown in table 1. Out of 9,977 associations listed as active on the mailing lists of the Cooperative Research and Service Division, 80 percent reported. By functional types, 82 percent of the purchasing associations, 79 percent of the marketing associations, and 73 percent of the service associations reported.

In arriving at a total of 9,977 associations, an association, regardless of the number of branches or subsidiaries it owns, is counted as only one cooperative. In some States, many cooperatives are organized on a community basis. In other States, many are organized on a county-wide basis with a number of these associations having from 1 to 10 branches.

Table 1. - Number and percent of returns from 9,977 associations, 1950-51

Commodity group	Local associations		Large-scale associations		Total		
	Number listed	Number reporting	Number listed	Number reporting <sup>1</sup>	Number listed	Number reporting	Percent reporting
Cotton and products <sup>2</sup> --	503	369	23	23	526	392	74
Dairy products-----	1,688	1,518	<sup>3</sup> 240	204	1,928	1,722	89
Fruits and vegetables--	751	558	<sup>4</sup> 121	98	872	656	75
Grain <sup>5</sup> -----	2,172	1,579	26	26	2,198	1,605	73
Livestock and products <sup>6</sup> -----	496	343	<sup>7</sup> 40	37	536	380	71
Nuts-----	34	28	6	6	40	34	85
Poultry and products--	109	85	17	15	126	100	79
Tobacco-----	-	-	24	24	24	24	100
Wool and mohair-----	83	70	27	27	110	97	88
Miscellaneous <sup>8</sup> -----	144	102	3	3	147	105	71
Total marketing--	5,980	4,652	527	463	6,507	5,115	79
Purchasing-----	3,092	2,527	116	116	3,208	2,643	82
Service-----	255	185	7	7	262	192	73
Total marketing, purchasing, and service-----	9,327	7,364	650	586	9,977	7,950	80

<sup>1</sup>Large-scale associations which did not return the annual survey questionnaire, but which supplied detailed audits or other volume-of-business figures to the Farm Credit Administration are included.

<sup>2</sup>Includes associations marketing or ginning cotton and processing cotton products.

<sup>3</sup>Includes 195 milk bargaining associations, 160 of which reported.

<sup>4</sup>Includes 57 bargaining associations, 39 of which reported.

<sup>5</sup>Includes dry bean, rice, and soybean marketing and processing associations.

<sup>6</sup>Includes livestock marketing and trucking associations.

<sup>7</sup>Includes two meat processing associations.

<sup>8</sup>Includes associations handling forest products, fur pelts, honey, maple syrup, sugarcane and other commodities not specified elsewhere.

Included in these statistics are all associations on the mailing lists of the Cooperative Research and Service Division. This does not mean that the figures reported here include all farmer cooperatives in the United States. While every effort is made to include all known active farmers' marketing and purchasing associations in the United States, as well as those performing related services, there, no doubt, are many of which the Cooperative Research and Service Division has no knowledge and which, therefore, are not included in the annual survey. As soon as the Cooperative Research and Service Division has information on a new farmer-owned marketing, purchasing, or service enterprise, it is added to a special mailing list and an initial questionnaire is mailed to the organization. From the reply, it is determined whether or not the organization is a bona fide cooperative which should be included in the annual survey. Associations which do not reply cannot be included in the survey.

### ESTIMATES FOR NONREPORTING ASSOCIATIONS

Conservative estimates were compiled for nonreporting local associations which were understood to be active in the 1950-51 fiscal year. Tests of the data for 1950-51 and 1949-50 indicated that these nonreporting associations handled a smaller volume than reporting associations and that their total business represented about 75 percent of the average volume reported for major commodities marketed or supplies sold in most States. Therefore, the method of computing 75 percent of the average volume reported and applying it to the nonreporting associations for major commodities in each State was used in most instances. An exception to this method was made for States in which only one or two cooperatives reported handling a commodity. In those States, conservative estimates were developed for individual nonreporting associations based on volumes handled in the most recent years for which they reported.

In estimating number of members in 1950-51 for nonreporting local associations, an individual estimate was made for each association based on the most recent membership figure it reported. The assumption was arbitrarily made that membership in these nonreporting associations had remained static since the last report.

### NUMBER OF ASSOCIATIONS AND MEMBERSHIP

The number of farmers' marketing, purchasing, and service cooperatives decreased to 9,977 in 1950-51 from the 10,035 associations reported in 1949-50. This decrease is attributed, in a large measure, to consolidations which occurred principally in fruit and vegetable associations and in dairy cooperatives. Cooperatives have undertaken such consolidations to reduce overhead and operating costs.

The total number of marketing and purchasing associations and cooperatives performing related services, together with membership in each type, is shown by States and by geographic areas (table 2). Marketing associations are further classified according to major commodity groups.

Table 2. - Farmers' marketing, purchasing, and service associations:<sup>1</sup> Number and estimated membership,<sup>2</sup> 1950-51<sup>3</sup>

(For a discussion of the method used in estimating membership for nonreporting associations, see page 5.)

Geographic division and State	Cotton and cotton products		Dairy products		Fruit and vegetable		Grain <sup>4</sup>		Livestock	
	Associations listed	Estimated membership	Associations listed	Estimated membership	Associations listed	Estimated membership	Associations listed	Estimated membership	Associations listed	Estimated membership
<i>Number</i>										
UNITED STATES-----	526	398,621	1,928	814,100	872	170,309	2,198	848,620	536	953,125
New England-----	-	-	36	20,896	15	4,591	-	-	1	658
Maine-----	-	-	2	3,093	6	3,132	-	-	-	-
New Hampshire-----	-	-	4	2,062	2	39	-	-	-	-
Vermont-----	-	-	17	9,970	-	-	-	-	(2)	190
Massachusetts-----	-	-	8	2,098	5	1,289	-	-	-	468
Rhode Island-----	-	-	1	1,533	-	-	-	-	-	-
Connecticut-----	-	-	4	2,140	2	131	-	-	-	-
Middle Atlantic-----	-	-	115	74,082	45	14,114	-	-	6	27,487
New York-----	-	-	84	38,889	22	5,526	-	-	2	21,703
New Jersey-----	-	-	2	3,303	10	4,563	-	-	1	2,046
Pennsylvania-----	-	-	29	31,890	13	4,025	-	-	3	3,738
East North Central----	-	-	606	263,280	66	21,177	437	238,964	159	464,087
Ohio-----	-	-	33	34,914	17	2,197	110	47,311	9	116,534
Indiana-----	-	-	18	30,576	6	738	42	74,963	5	90,758
Illinois-----	-	-	61	65,488	7	689	243	93,383	34	143,766
Michigan-----	-	-	40	46,120	31	13,099	37	20,252	7	27,240
Wisconsin-----	-	-	454	86,182	5	4,454	5	3,055	104	85,789
West North Central----	1	6,884	957	343,978	37	6,655	1,421	482,014	295	337,428
Minnesota-----	-	-	547	136,088	14	1,781	231	94,827	172	145,864
Iowa-----	-	-	248	76,453	3	175	256	93,838	47	47,132
Missouri-----	1	6,884	18	22,880	8	1,254	42	20,507	8	52,762
North Dakota-----	-	-	37	18,475	4	385	303	80,586	59	37,907
South Dakota-----	-	-	52	21,838	1	180	156	54,194	1	10,254
Nebraska-----	-	-	37	40,773	5	2,819	206	61,160	4	31,626
Kansas-----	-	-	18	27,471	2	61	227	76,902	4	11,883
South Atlantic-----	9	84,404	47	10,995	104	18,448	2	1,099	30	16,547
Delaware-----	-	-	(2)	672	2	61	-	-	-	-
Maryland-----	-	-	3	4,951	5	709	1	1,000	-	-
District of Columbia	-	-	1	-	-	-	-	-	-	-
Virginia-----	-	-	12	3,212	10	1,744	1	99	6	4,299
West Virginia-----	-	-	1	741	-	-	-	-	12	6,372
North Carolina-----	1	2,894	10	749	5	316	-	-	2	210
South Carolina-----	1	115	-	-	4	1,649	-	-	4	2,735
Georgia-----	6	81,337	17	647	4	1,779	-	-	4	2,176
Florida-----	1	58	3	23	74	12,190	-	-	2	755
East South Central----	67	69,007	20	10,027	29	8,060	4	4,971	11	37,672
Kentucky-----	-	-	5	3,544	6	3,093	2	4,538	1	18,331
Tennessee-----	2	14,355	9	5,129	9	3,394	-	-	2	11,894
Alabama-----	7	10,342	4	131	10	821	-	-	4	6,494
Mississippi-----	58	44,310	2	1,223	4	752	2	433	4	953
West South Central----	417	228,419	26	25,061	62	8,205	174	64,344	4	28,356
Arkansas-----	35	32,831	3	1,792	10	1,318	14	1,970	1	675
Louisiana-----	3	11,272	5	1,335	17	2,847	14	800	-	-
Oklahoma-----	66	62,450	10	14,313	5	329	78	40,741	1	22,281
Texas-----	313	121,866	8	7,621	30	3,711	68	20,833	2	5,400
Mountain-----	18	4,362	44	33,435	109	38,230	100	43,074	20	23,896
Montana-----	-	-	5	2,174	8	3,104	57	13,899	1	5,126
Idaho-----	-	-	12	16,354	19	7,572	11	4,834	14	5,923
Wyoming-----	-	-	5	1,251	4	4,245	4	1,454	(2)	1,071
Colorado-----	-	-	8	9,146	31	10,926	24	19,184	3	7,496
New Mexico-----	18	4,357	-	-	2	266	2	3,695	(2)	164
Arizona-----	(2)	5	2	710	8	423	-	-	(2)	189
Utah-----	-	-	10	3,693	37	11,694	2	8	2	3,732
Nevada-----	-	-	2	107	-	-	-	-	(2)	195
Pacific-----	14	5,545	77	32,346	405	50,829	60	14,154	10	16,994
Washington-----	-	-	21	13,188	54	5,656	33	6,542	2	1,277
Oregon-----	-	-	27	11,920	28	6,478	18	5,329	3	2,536
California-----	14	5,545	29	7,238	323	38,695	9	2,283	5	13,181

<sup>1</sup>Includes independent local associations, federations, and large-scale centralized associations.<sup>2</sup>Estimated membership for each association is credited to the State in which the membership is located. The association with which this membership is affiliated has been counted in the State in which the association maintains its headquarters. Includes members (those entitled to vote for directors), but does not include nonvoting patrons. (There is some duplication in these membership figures because some farmers belong to more than one association.)<sup>3</sup>Covers operations of associations whose fiscal years ended during the period July 1, 1950, through June 30, 1951, with limited exceptions.<sup>4</sup>Includes dry beans and rice.



Table 2. - Continued

Geographic division and State	Nut		Poultry and poultry products		Tobacco		Wool and mohair		Miscellaneous <sup>2</sup>	
	Associations listed	Estimated membership	Associations listed	Estimated membership	Associations listed	Estimated membership <sup>3</sup>	Associations listed	Estimated membership	Associations listed	Estimated membership
Number										
UNITED STATES-----	40	58,941	126	117,454	24	603,838	110	98,393	147	54,007
New England-----	-	-	12	11,541	1	805	3	686	2	819
Maine-----	-	-	-	-	-	-	1	316	1	19
New Hampshire-----	-	-	1	885	-	-	(2)	15	-	-
Vermont-----	-	-	-	-	-	-	(2)	10	1	800
Massachusetts-----	-	-	4	5,487	1	805	2	345	-	-
Rhode Island-----	-	-	2	1,263	-	-	-	-	-	-
Connecticut-----	-	-	5	3,906	-	-	-	-	-	-
Middle Atlantic-----	-	-	19	20,599	1	292	29	5,682	8	2,244
New York-----	-	-	4	952	(2)	16	1	530	7	2,197
New Jersey-----	-	-	7	7,823	(2)	16	-	-	-	-
Pennsylvania-----	-	-	8	11,824	1	260	28	5,152	1	47
East North Central----	-	-	15	23,281	2	4,628	4	19,577	19	14,322
Ohio-----	-	-	9	21,457	-	-	1	7,326	1	28
Indiana-----	-	-	2	305	(2)	200	(2)	256	1	50
Illinois-----	-	-	1	39	-	-	1	2,590	5	4,613
Michigan-----	-	-	1	982	-	-	1	4,205	6	5,506
Wisconsin-----	-	-	2	498	2	4,428	1	5,200	6	4,125
West North Central----	-	-	29	14,635	1	1,552	11	35,897	54	23,446
Minnesota-----	-	-	9	3,595	-	-	2	8,523	5	2,617
Iowa-----	-	-	6	2,799	-	-	3	6,100	2	523
Missouri-----	-	-	8	5,910	1	1,472	2	2,550	42	19,231
North Dakota-----	-	-	-	-	-	-	4	3,575	2	300
South Dakota-----	-	-	1	50	-	-	(2)	9,649	-	-
Nebraska-----	-	-	3	967	-	-	(2)	1,500	2	758
Kansas-----	-	-	2	1,314	(2)	80	(2)	4,000	1	17
South Atlantic-----	2	22,772	8	6,858	10	237,199	18	12,346	9	1,702
Delaware-----	-	-	1	60	-	-	-	-	-	-
Maryland-----	-	-	2	2,125	2	11,486	1	1,500	-	-
District of Columbia	-	-	-	-	-	-	-	-	-	-
Virginia-----	1	4,272	2	4,439	3	41,915	13	6,348	1	850
West Virginia-----	-	-	1	207	(2)	50	4	4,398	1	22
North Carolina-----	-	-	-	-	5	137,748	(2)	100	1	300
South Carolina-----	-	-	-	-	(2)	22,000	-	-	-	-
Georgia-----	1	18,500	-	-	(2)	22,000	-	-	2	460
Florida-----	-	-	2	27	(2)	2,000	-	-	4	70
East South Central----	-	-	3	267	9	359,362	10	4,092	6	2,032
Kentucky-----	-	-	1	196	6	278,832	5	2,015	1	36
Tennessee-----	-	-	-	-	3	80,530	4	1,867	1	459
Alabama-----	-	-	1	(7)	-	-	-	-	4	1,537
Mississippi-----	-	-	1	71	-	-	1	210	-	-
West South Central----	7	17,907	6	2,287	-	-	4	2,721	17	1,927
Arkansas-----	(2)	370	1	327	-	-	1	231	1	5
Louisiana-----	(2)	1,200	-	-	-	-	1	240	10	857
Oklahoma-----	5	8,034	-	-	-	-	(2)	1,500	-	-
Texas-----	2	8,303	5	1,960	-	-	2	750	6	1,065
Mountain-----	(2)	100	18	20,591	-	-	29	12,549	11	3,092
Montana-----	-	-	-	-	-	-	6	551	4	1,114
Idaho-----	-	-	2	2,192	-	-	10	944	1	279
Wyoming-----	-	-	1	423	-	-	4	1,643	1	1,195
Colorado-----	-	-	8	5,163	-	-	3	8,812	1	166
New Mexico-----	(2)	100	-	-	-	-	2	106	1	188
Arizona-----	-	-	-	-	-	-	1	50	2	60
Utah-----	-	-	6	12,792	-	-	2	413	1	90
Nevada-----	-	-	1	21	-	-	1	30	-	-
Pacific-----	31	18,162	16	17,395	-	-	2	4,843	21	4,423
Washington-----	1	472	2	4,013	-	-	(2)	725	6	489
Oregon-----	6	2,362	2	504	-	-	1	2,055	6	1,403
California-----	24	15,328	12	12,878	-	-	1	2,063	9	2,531

<sup>2</sup>Includes associations handling forest products, fur pelts, honey, maple syrup, sugar cane, and other products not separately classified.

<sup>3</sup>Member-patrons.  
<sup>4</sup>A federation of 8 local associations engaged in supply purchasing and miscellaneous marketing activities.



Table 2. - Continued

Geographic division and State	Total marketing		Purchasing		Service <sup>8</sup>		Total	
	Associations listed	Estimated membership	Associations listed	Estimated membership	Associations listed	Estimated membership	Associations listed	Estimated membership
	Number							
UNITED STATES-----	6,507	4,117,408	3,208	2,842,878	262	94,282	9,977	7,054,568
New England-----	70	39,996	54	65,749	22	4,848	146	110,593
Maine-----	10	6,560	16	15,699	1	4	27	22,263
New Hampshire-----	7	3,001	2	7,536	1	15	10	10,552
Vermont-----	18	10,970	9	10,228	10	3,753	37	24,951
Massachusetts-----	21	10,492	<sup>9</sup> 14	20,250	4	575	39	31,317
Rhode Island-----	3	2,796	<sup>(2)</sup>	1,866	2	146	5	4,808
Connecticut-----	11	6,177	13	10,170	4	355	28	16,702
Middle Atlantic-----	223	144,500	390	214,915	10	2,141	623	361,556
New York-----	120	69,813	259	94,779	4	1,675	383	166,267
New Jersey-----	20	17,751	36	21,159	2	298	58	39,208
Pennsylvania-----	83	56,936	95	98,977	4	168	182	156,081
East North Central-----	1,308	1,049,316	746	824,622	79	44,614	2,133	1,918,552
Ohio-----	180	229,767	112	101,963	11	2,645	303	334,375
Indiana-----	74	197,846	80	185,317	4	644	158	383,807
Illinois-----	352	310,568	174	262,851	52	39,680	578	613,099
Michigan-----	123	117,404	104	65,953	6	249	233	183,606
Wisconsin-----	579	193,731	<sup>9</sup> 276	208,538	6	1,396	861	403,665
West North Central-----	2,806	1,252,489	1,027	774,905	58	14,119	3,891	2,041,513
Minnesota-----	980	393,295	<sup>9</sup> 255	161,233	26	6,925	1,261	561,453
Iowa-----	565	227,020	138	149,153	7	1,144	710	377,317
Missouri-----	130	133,450	157	254,561	2	2,960	289	390,971
North Dakota-----	409	141,228	136	64,706	15	1,354	560	207,288
South Dakota-----	211	96,165	93	42,038	1	250	305	138,453
Nebraska-----	257	139,603	153	73,628	5	1,027	415	214,258
Kansas-----	254	121,728	95	29,586	2	459	351	151,773
South Atlantic-----	239	412,370	274	442,841	34	7,930	547	863,141
Delaware-----	3	793	10	14,195	1	924	14	15,912
Maryland-----	14	21,771	41	48,416	7	1,405	62	71,592
District of Columbia-----	1	<sup>(2)</sup>	-	-	-	-	1	<sup>(2)</sup>
Virginia-----	49	67,178	67	142,425	7	3,402	123	213,005
West Virginia-----	19	11,790	23	35,649	3	125	45	47,564
North Carolina-----	24	142,317	63	170,242	5	471	92	313,030
South Carolina-----	9	26,499	11	9,420	4	668	24	36,587
Georgia-----	34	126,899	40	21,198	5	851	79	148,948
Florida-----	86	15,123	19	1,296	2	84	107	16,503
East South Central-----	159	495,490	214	228,521	14	4,976	387	728,987
Kentucky-----	27	310,585	58	72,865	-	-	85	383,450
Tennessee-----	30	117,628	72	44,778	4	917	106	163,323
Alabama-----	30	19,325	33	41,582	3	670	66	61,577
Mississippi-----	72	47,952	51	69,296	7	3,389	130	120,637
West South Central-----	717	379,227	162	49,343	32	13,612	911	442,182
Arkansas-----	66	39,519	40	15,703	1	26	107	55,248
Louisiana-----	50	18,551	4	1,044	1	309	55	19,904
Oklahoma-----	165	149,648	32	11,058	4	1,777	201	162,483
Texas-----	436	171,509	86	21,538	26	11,500	548	204,547
Mountain-----	349	179,329	196	115,783	7	534	552	295,646
Montana-----	81	25,968	87	26,552	4	67	172	52,587
Idaho-----	69	38,098	40	19,976	-	-	109	58,074
Wyoming-----	19	11,282	8	2,913	-	-	27	14,195
Colorado-----	78	60,893	38	16,786	1	80	117	77,759
New Mexico-----	25	8,876	6	2,435	1	375	32	11,686
Arizona-----	13	1,437	2	43,433	-	-	15	44,870
Utah-----	60	32,422	13	3,178	1	12	74	35,612
Nevada-----	4	353	2	510	-	-	6	863
Pacific-----	636	164,691	145	126,199	6	1,508	787	292,398
Washington-----	119	32,362	74	67,799	-	-	193	100,161
Oregon-----	91	32,587	41	35,733	1	1,100	133	69,420
California-----	426	99,742	30	22,667	5	408	461	122,817

<sup>8</sup>Includes associations furnishing special marketing or related services.<sup>9</sup>Includes incorporated local associations without facilities affiliated with an operating regional association.

In number of associations, Minnesota, with 1,261, continued to hold the lead as it has for many years in the past. Following, in the order named, are Wisconsin, 861; Iowa, 710; Illinois, 578; North Dakota, 560; and Texas, 548.

Estimated membership in farmers' marketing, purchasing, and service cooperatives in 1950-51 climbed to a new total of about 7,055,000, an increase of slightly more than 470,000 over 1949-50 (table 2). It should be pointed out, however, that there is duplication in these membership figures, as one farmer may be a member of two or more cooperatives. His membership, therefore, is counted more than once. Greatest gains were made by purchasing associations with an increase of more than 333,000 members and by tobacco associations with a gain of more than 101,000 members.

In number of members, Illinois with 613,099 ranked first, followed by Minnesota, 561,453; Wisconsin, 403,665; Missouri, 390,971; Indiana, 383,807; and Kentucky, 383,450.

### VOLUME OF BUSINESS

Farmers' marketing, purchasing, and service cooperatives did a gross business of \$10.5 billion in 1950-51. Sales of each of the major commodities comprising this gross volume of business are shown in table 3. After adjusting the gross dollar volume for duplication arising from transactions between cooperatives, the net business amounted to \$8.1 billion. Neither of these dollar amounts is comparable with figures shown in prior years. The \$8.1 billion represents approximately the value of farmers' business with their cooperatives. It does not include the wholesale business of farm supply cooperatives with other cooperatives or the terminal market sales performed for local associations, both of which are included in the gross dollar volume figure.

As indicated earlier, for the first time the 1950-51 statistics show the actual sales of each of the major commodities. In compiling table 3, the business of each cooperative in poultry products, dairy products, individual supplies, or other major commodities, is credited to the proper commodity classification. Thus, the figures reported for each commodity cover total sales of the commodity and number of cooperatives handling the commodity, whether or not they specialize in that commodity.

Farmers marketed about \$6.4 billion worth of products through their cooperatives and bought approximately \$1.6 billion worth of supplies (table 3).

Receipts from services amounted to almost \$100 million in 1950-51. General services including trucking, storage, grinding, cleaning, locker plants, and miscellaneous services accounted for three-fourths of all service receipts.



Table 3. - Estimated business of marketing and purchasing cooperatives, and associations performing related services, 1950-51<sup>1</sup>

Commodities	Associations handling		Gross business	Percent of total gross business	Net business after adjusting for duplication <sup>4</sup>	Percent of total net business
	Number <sup>2</sup>	Percent of total associations <sup>3</sup>				
			\$1,000		\$1,000	
Products marketed for patrons:						
Beans, dry-----	175	1.8	38,450	.4	31,137	.4
Cotton and cotton products-----	550	5.5	349,934	3.3	320,019	3.9
Dairy products-----	2,072	20.8	2,298,201	21.9	1,933,174	23.9
Fruits and vegetables-----	951	9.5	1,024,577	9.8	701,777	8.7
Grain, soybeans, and soybean meal and oil-----	2,740	27.5	2,051,297	19.6	1,355,392	16.7
Livestock and livestock products--	753	7.5	1,406,328	13.4	1,321,248	16.3
Nuts-----	81	.8	141,012	1.3	113,485	1.4
Poultry products-----	760	7.6	303,716	2.9	263,360	3.2
Rice-----	32	.3	131,191	1.3	90,729	1.1
Tobacco-----	24	.2	125,842	1.2	125,842	1.6
Wool and mohair-----	258	2.6	30,882	.3	29,270	.4
Miscellaneous <sup>5</sup> -----	405	4.1	81,179	.8	74,168	.9
Total marketing-----	27,276	72.9	7,982,609	76.2	6,359,601	78.5
Supplies purchased for patrons:						
Farm machinery and equipment-----	2,149	21.5	104,053	1.0	63,152	.8
Feed-----	4,707	47.2	896,882	8.6	683,268	8.4
Fertilizer-----	3,521	35.3	255,771	2.4	153,538	1.9
Petroleum products-----	2,848	28.5	574,005	5.5	366,013	4.5
Seed-----	3,930	39.4	120,908	1.2	89,248	1.1
Other supplies-----	5,937	59.5	439,097	4.2	288,989	3.6
Total purchasing-----	27,335	73.5	2,390,716	22.9	1,644,208	20.3
Receipts for services:						
Trucking, storage, grinding, locker plants, miscellaneous----	3,448	34.6	75,498	.7	75,498	.9
Cotton ginning-----	480	4.8	21,800	.2	21,800	.3
Livestock trucking-----	216	2.2	2,561	(6)	2,561	(6)
Total service-----	4,144	41.5	99,859	.9	99,859	1.2
Total marketing, purchasing, and service-----	29,977	100.0	10,473,184	100.0	8,103,668	100.0

<sup>1</sup>The net business figures for 1950-51 cannot be compared with volume of business for previous years since the 1950-51 net covers all business for each commodity whether handled by a cooperative specializing in this commodity or not. In previous years, for example, the poultry figure was all the marketing business reported by a cooperative doing more than 50 percent of its business in poultry which meant it also might include sideline business. The 1950-51 figures cover the poultry business handled by poultry cooperatives, and they also include the poultry business handled by all other types of cooperatives.

<sup>2</sup>The number of associations handling each commodity in 1950-51 cannot be compared with the figures shown in previous years. In this year's figures each association reporting any sales of poultry or poultry products is counted in the number of associations handling this commodity. For example, in addition to the 126 associations whose major operations were marketing poultry, 634 associations which were engaged primarily in other types of marketing or supply business were also marketing poultry. Therefore, because many associations are engaged in more than one type of business, these totals are less than the number that would be obtained by adding the number of associations handling individual items.

<sup>3</sup>Number of associations handling each commodity group is computed as a percentage of the total number of 9,977 associations listed.

<sup>4</sup>This figure represents approximately the value at the level at which the farmer does business with his cooperative. It does not include wholesale business of farm supply cooperatives with other cooperatives or terminal market sales for local associations.

<sup>5</sup>Includes associations handling forest products, fur pelts, honey, maple syrup, sugarcane and other products not separately classified.

<sup>6</sup>Less than .05 percent.

<sup>7</sup>Charges for services in which no duplication occurs.

FIGURE 1  
NET VALUE OF FARM PRODUCTS MARKETED FOR PATRONS  
BY COOPERATIVES, 1950-51

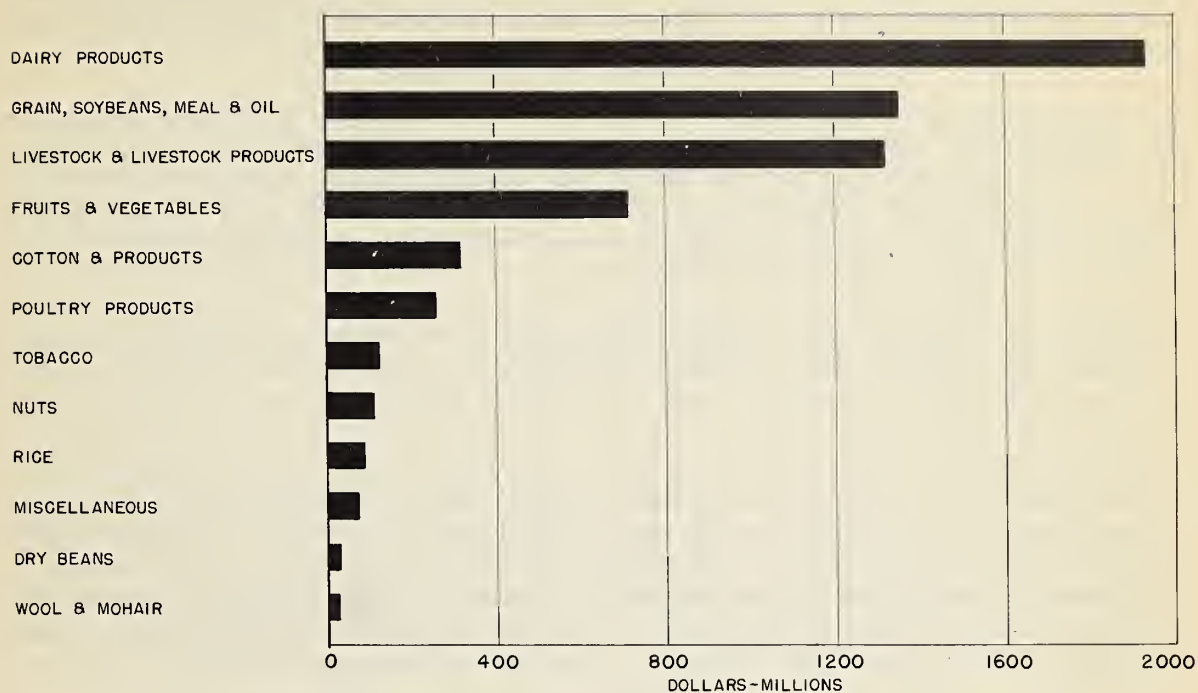
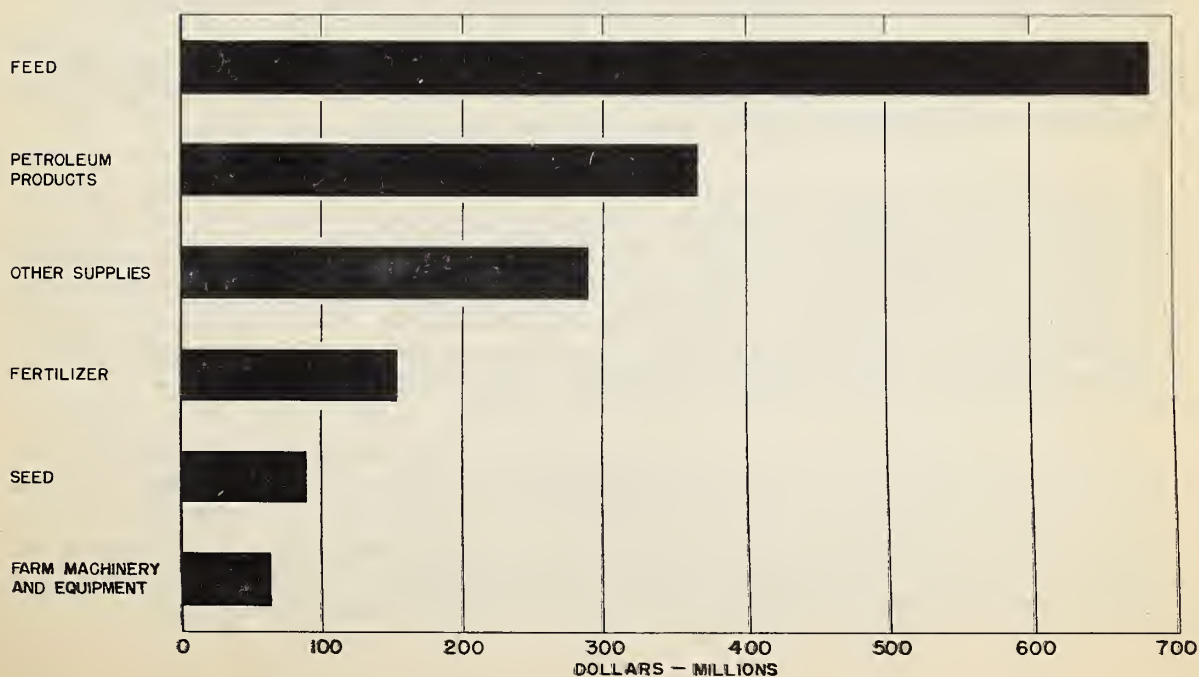


FIGURE 2  
NET VALUE OF FARM SUPPLIES PURCHASED FOR PATRONS  
BY COOPERATIVES, 1950-51





It was found in this survey that more than three-fifths of all associations marketing farm products as their primary job now also give greater service to their patrons by handling one or more kinds of farm supplies. Almost two-thirds of the local associations handle some supply items. A smaller proportion of the large-scale associations, about 27 percent, handle such supplies.

In examining the marketing activities of farm supply cooperatives, it was found that they, too, have diversified their operations, although not to the same extent as the marketing associations. About 22 percent of all purchasing associations did some type of marketing in 1950-51. These marketing activities were carried on by local and regional associations in about the same proportion.

A number of associations engaged primarily in service operations also carried on sideline activities. About two-fifths of the service associations handled supplies and one-fifth marketed one or more farm products for their patrons.

These figures indicate that members are requiring their cooperatives to expand the range of their activities and experience to give them greater service. Thus, cooperatives tend more and more to provide a "one-stop" operation where members may market poultry, dairy products, or other farm commodities, and at the same time buy feed, petroleum products, fertilizer, or numerous other essential farm supplies.

#### TOTAL VOLUME BY STATES AND GEOGRAPHIC AREAS

In comparing total net business in each State, California was first with \$701 million; followed by Minnesota, \$607 million; Illinois, \$587 million; Wisconsin, \$475 million; Iowa, \$456 million; and New York, \$386 million (table 4). The West North Central and East North Central regions continued to outrank all other areas in total net business.

Comparing States on the basis of net value of farm products marketed, the same State rank was maintained as for total net business with the exception of New York, which was replaced by Ohio.

An examination of the individual products marketed shows that the net value of dairy products handled cooperatively was \$1.9 billion. Grain, soybeans, soybean meal, and soybean oil; livestock and livestock products; and fruits and vegetables ranked next in that order in value of business. In number of associations handling, the rankings in their respective order were grain, soybeans, soybean meal, and soybean oil; dairy products; fruits and vegetables; and poultry products.

A similar examination of the net value of farm supplies handled cooperatively indicates that patrons bought \$683 million of feed, \$366 million of petroleum products, and \$154 million of fertilizer. They also purchased \$89 million of seed, \$63 million of farm machinery and equipment, and \$289 million of miscellaneous farm supplies. Ranked by number of associations handling, the order was feed, seed, and fertilizer.

Patrons in New York bought \$115 million of farm supplies cooperatively, or more than those of any other State. Patrons in Minnesota were next with net purchases of \$114 million, followed by those in Iowa with \$101 million, Illinois with \$100 million, Pennsylvania with \$95 million, and Wisconsin with \$88 million.

### TOTAL FARM PRODUCTS MARKETED FOR PATRONS

The 1950-51 survey obtained data on the value of 12 individual groups of farm products marketed (table 4). These include: (1) Dry beans; (2) cotton and products; (3) dairy products; (4) fruits and vegetables; (5) grain, soybeans, soybean meal, and soybean oil; (6) livestock and livestock products; (7) nuts; (8) poultry products; (9) rice; (10) tobacco; (11) wool and mohair; and (12) miscellaneous, which includes forest products, fur pelts, honey, maple syrup, sugarcane, and all other farm products marketed but not included in the other 11 major categories.

Gross value of all farm products marketed for patrons by 7,276 associations amounted to \$8.0 billion. The net value after adjusting for duplication arising from transactions between cooperatives amounted to \$6.4 billion. These 7,276 associations included 6,507 which were engaged primarily in marketing farm products for their patrons; 717 associations engaged primarily in purchasing supplies for their patrons; and 52 associations engaged primarily in performing services related to marketing or purchasing activities.

The 7,276 associations handling farm products include all marketing associations, the purchasing and service associations that reported marketing farm products, and estimates for nonreporting purchasing and service associations based on the percentage of reporting associations in these two groups which actually reported marketing farm products.

Some regional marketing associations are federations of local associations and market farm products for their member associations. Other regionals market farm products for both individual producers and for other cooperatives, while many are large-scale centralized associations which market farm products directly for individual producers.

The estimated gross value of total farm products marketed represents the combined total of the value of farm products marketed by local associations for producer patrons and sales by regional marketing associations both for individual patrons and for other cooperative associations (table 4). The net value represents the value of farm products marketed by local and regional associations after eliminating the duplication arising from the sale of farm products at the terminal level made by regional associations for other cooperatives.

### DRY BEANS

Dry beans were classified separately in the 1950-51 statistics. In prior years, sales of dry beans were included with grain. A total of 175



associations marketed dry beans in 1950-51 (table 4). Many of these cooperatives engage primarily in selling grain. Gross value of dry beans marketed by these associations amounted to \$38.5 million. After adjusting for duplication arising from business between cooperatives, the net volume was \$31.1 million. California outranked all other States in dollar volume of sales. Rated on number of associations marketing dry beans, the order was New York with 68 associations, followed by Michigan with 29 associations.

### COTTON AND COTTON PRODUCTS

Cotton and cotton products were handled by an estimated 550 associations including associations engaged only in ginning cotton. The gross value of cotton and cotton products marketed by cooperatives in 1950-51 was approximately \$350 million (table 4). After adjusting for duplication arising from business between cooperatives, the net value of cotton marketed was approximately \$320 million. This interassociation volume of \$30 million represented the terminal sales value of cotton and cotton products marketed by 15 regional associations for other cooperatives.

The gross value of \$350 million included \$346.4 million handled by cotton cooperatives, more than \$1.5 million by grain cooperatives, \$500,000 by purchasing cooperatives, and the balance by other types of cooperatives.

Texas with net sales of \$101 million and Mississippi with net sales of over \$84.3 million outranked all other States in the value of cotton and cotton products handled in 1950-51.

In the 1950-51 survey, separate estimates were compiled for the value of cotton marketed and service receipts from ginning operations. These estimates indicated that approximately 480 cotton ginning associations received \$21.8 million from ginning fees. Many associations reporting their ginning fees included bagging and ties. The \$21.8 million estimate, therefore, includes such supply items where they could not be separated from the ginning fees reported.

### DAIRY PRODUCTS

A total of 2,072 cooperatives marketed dairy products with a gross value of approximately \$2.3 billion in 1950-51 (table 4). Their net business after adjusting for interassociation transactions amounted to slightly over \$1.9 billion. These interassociation transactions, amounting to about \$365 million, represented the sales value of dairy products marketed by 28 regional associations for other cooperatives. Of the gross dairy business of \$2.3 billion, 1,928 cooperatives whose business was dominantly dairy products accounted for 99 percent and the remaining 1 percent was handled by 144 associations in which the dairy business was of minor importance. A total of 195 milk bargaining associations accounted for approximately \$935 million out of the gross total of \$2.3 billion.

In net amount of dairy products sold, Wisconsin ranked first, followed by New York and Minnesota.

## FRUITS AND VEGETABLES

Gross value of fruits and vegetables marketed by 951 cooperatives in 1950-51 amounted to over \$1 billion (table 4). Net sales, after eliminating duplication arising from business between cooperatives, amounted to \$702 million. A total of 25 regional associations reported terminal sales of fruits and vegetables for other cooperatives amounting to about \$323 million. Of the gross fruit and vegetable business of \$1 billion, 872 associations whose business was dominantly fruits and vegetables accounted for 99 percent and the remaining 1 percent was handled by 79 associations in which the fruit and vegetable business was of minor importance. Of the 872 specialized fruit and vegetable associations, 57 were bargaining associations. All but 10 of these bargaining associations were engaged in sugar beet marketing. The other bargaining associations marketed such products as peaches, asparagus, peas, sweet corn, and other canning vegetables.

California and Florida were the leading States in net value of fruits and vegetables marketed by cooperatives.

A total of 151 fruit and vegetable associations reported receipts from drying and other services performed in marketing fruits and vegetables amounting to more than \$10.7 million.

## GRAIN, SOYBEANS, SOYBEAN MEAL, AND SOYBEAN OIL

In 1950-51, 2,740 cooperatives marketed grain, including soybeans, soybean meal, and soybean oil, with a gross value of approximately \$2.1 billion (table 4). After adjusting for duplication arising from business done between cooperatives this amounted to a net value of \$1.4 billion. This interassociation business of about \$696 million represented the terminal sales value of grain marketed by 30 regional associations for other cooperatives.

A total of 2,166 grain associations accounted for \$1.9 billion of the total gross sales. The other 574 associations marketing approximately \$199 million worth of grain included 381 purchasing associations with sales of \$163 million, 34 cotton associations with sales of \$8.2 million, and 12 livestock associations with sales of about \$3.7 million.

In net value of grain, soybeans, soybean meal, and soybean oil marketed, the leading States were Illinois, North Dakota, Iowa, Minnesota, Kansas, and Nebraska.

## LIVESTOCK AND LIVESTOCK PRODUCTS

Livestock and livestock products marketed by 753 associations in 1950-51 had a gross value of \$1.4 billion (table 4). On a net basis, after



adjusting for interassociation business, sales amounted to more than \$1.3 billion. This interassociation volume of more than \$85 million represented the terminal sales value of livestock marketed by 7 regional associations for other cooperatives. Of the gross livestock business of \$1.4 billion, 536 cooperatives whose business was dominantly livestock marketing accounted for 98 percent and the remaining 2 percent was handled by 217 associations in which livestock marketing was of minor importance. More than \$95 million of this gross livestock business represented purchases for patrons of stockers and feeders.<sup>1</sup>

The 1950-51 survey provided separate estimates on sales of livestock and service receipts from livestock trucking. Many local livestock trucking or shipping associations are engaged primarily in service operations. Most of these are "truck-shipping associations which operate from one to several hundred miles from a terminal livestock market. This type of association is usually incorporated. It owns its own trucks or contracts with livestock truckers who own their trucks to assemble and haul livestock for its members. The returns from selling the livestock, less trucking and other expenses including yardage, feed, insurance, and commissions, are made by the commission agency - frequently a large-scale cooperative - direct to the farmer."<sup>2</sup>

Many of the local livestock trucking associations included in this survey operate on the basis of specified fees per hundredweight and a small sinking fund to provide for payment of obligations which arise, such as losses resulting from injury to livestock in transit. Estimated service fees of 216 livestock truck-shipping associations included in this survey amounted to approximately \$2.6 million in the 1950-51 season.

Illinois, Ohio, Minnesota, Indiana, and Iowa led in net value of livestock marketed.

## NUTS

The gross value of nuts (tree nuts and peanuts) marketed by 81 associations amounted to \$141 million. Net sales, after adjusting for duplication arising from business of regionals for other cooperatives, amounted to \$113 million. Because of the nature of the operations of the peanut marketing associations, which act as agents for the Commodity Credit Corporation, the volume-of-business figures reported by these associations fluctuate greatly from year to year.

Forty associations specializing in marketing nuts accounted for 98 percent of the gross sales reported. The remaining 2 percent was handled by 41 other associations, in which nut marketing was of minor importance.

<sup>1</sup>This is not a complete figure for all stocker and feeder animals purchased for patrons in 1950-51 inasmuch as the questionnaire form supplying this information was not in use during the early part of the 1950-51 survey. It is expected that more complete figures will be available in the 1951-52 survey.

<sup>2</sup>Randell, C. G. Using Your Livestock Co-op, Circular E-7, Farm Credit Admin., 17 pp., 1952.

## POULTRY PRODUCTS

The large number of cooperatives marketing poultry products is particularly significant as an illustration of increasing diversification in the marketing operations of farmers' cooperatives. The 1950-51 survey indicated that 760 associations were marketing poultry products with a gross value of approximately \$304 million. Of these, only 126 specialized in marketing poultry and their gross sales amounted to almost \$199 million.

An estimated 634 associations engaged primarily in other marketing or supply operations marketed poultry products with a value of more than \$105 million. These other associations included 229 purchasing associations with poultry products sales of approximately \$58 million, 192 dairy associations with sales of poultry products amounting to more than \$34 million, and 54 grain associations with poultry sales amounting to almost \$3 million. Net sales after adjusting for interassociation business amounted to more than \$263 million. This interassociation business represented the terminal sales value of poultry marketed by 19 regional associations for other cooperatives.

California, Minnesota, New Jersey, Virginia, Pennsylvania, and Utah were the leading States in net value of poultry products marketed.

## RICE

A new commodity classification was set up for rice in the 1950-51 survey (table 4). In previous surveys, sales of rice were included with grain sales. Thirty-two associations, including drying associations, reported handling rice in 1950-51. Gross value of rice marketed by cooperatives amounted to a little over \$131 million. Net value of rice sales, after adjusting for duplication arising from sales of more than \$40 million made for other cooperatives, amounted to about \$91 million. Fifteen of these associations were located in Louisiana, 12 in Texas, 3 in California, and 2 in Arkansas.

In addition to obtaining information on the value of rice marketed by cooperatives, an estimate was made of their receipts from rice drying operations. Rice associations had service receipts of approximately \$2.7 million for rice drying.

## TOBACCO

Sales of tobacco for growers in 1950-51 by 24 associations amounted to almost \$126 million (table 4). No association reported sales of tobacco for other cooperatives. Kentucky was the leading tobacco State with 8 associations marketing tobacco with a value of \$53 million. North Carolina was second in importance with 7 associations marketing tobacco worth more than \$36 million.



## WOOL AND MOHAIR

Gross sales of wool and mohair by 258 associations amounted to about \$31 million (table 4). Adjusted for duplication arising from sales made by 6 regionals for other cooperatives, net sales of these associations amounted to a little over \$29 million. Sales by 110 wool associations amounted to \$27.9 million. Sales by 148 associations of other types totalled \$3 million. Largest wool sales by cooperatives engaged in other operations were those of 69 purchasing associations amounting to \$1.4 million and by 4 poultry associations totalling almost \$500,000.

South Dakota, Minnesota, Wyoming, Utah, and Ohio led in net sales of wool and mohair.

## MISCELLANEOUS

Gross sales of miscellaneous farm products by 405 associations in 1950-51 amounted to a little more than \$81 million (table 4). After deducting sales made by 4 regionals for other cooperatives amounting to about \$7 million, net sales totalled \$74 million. These miscellaneous farm products include forest products, fur pelts, honey, maple syrup, sugarcane, and all other products not separately classified.

## TOTAL FARM SUPPLIES PURCHASED FOR PATRONS

The 1950-51 survey, for the first time, obtained information on the value of major individual supplies handled by farmers' marketing, purchasing, and service associations. The major items on which data were obtained include: (1) Farm machinery and equipment; (2) feed; (3) fertilizer; (4) petroleum products; (5) seed; and (6) other supplies.

A total of 7,335 cooperatives handled supplies. These associations handled a gross business for patrons amounting to approximately \$2.4 billion. The net value after adjusting for duplication arising from transactions between cooperatives amounted to \$1.6 billion. Out of the gross volume of about \$2.4 billion, 3,208 purchasing associations accounted for more than \$1.9 billion and 4,017 marketing and 110 service associations handled the remaining \$485 million.

The estimate of 7,335 associations handling total supplies includes all purchasing associations, marketing and service associations which reported handling supplies, and estimates for nonreporting marketing and service associations based on the percentage of reporting associations in these two groups which actually reported handling supplies (table 4).

Several large-scale purchasing associations are federations of regional cooperatives, manufacturing or purchasing supplies for their member regionals. Many are federations of local associations purchasing or manufacturing supplies or doing both for their member locals. There are other regional purchasing associations which purchase supplies for both individual producers and for other cooperatives, as well as some

centralized associations which serve only individual producers. The estimated gross value of total supplies includes the value of supplies purchased by local and regional associations for their patrons (table 4). The net value represents the amount remaining after eliminating \$746 million worth of supplies purchased at manufacturing or wholesale levels by 137 regional associations for other cooperatives.

Many regional associations perform both a manufacturing and wholesale business. Some regionals perform a wholesale and retail business and a number distribute supplies through independent dealer agents, farmer order takers, and direct to large farmers. In some cases, the sales level is neither strictly wholesale nor retail. Therefore, because of the complexity of the operations of many regionals, data were not tabulated separately in this report on manufacturing, wholesale, and retail business.

### FARM MACHINERY AND EQUIPMENT

A total of 2,149 associations handled farm machinery and equipment for patrons in 1950-51 with a gross value of more than \$104 million. Of this amount, 1,582 purchasing associations accounted for \$82 million. A total of 567 marketing associations handled farm machinery and equipment valued at more than \$22 million. Grain associations were particularly important in the marketing group, with 252 associations supplying their patrons with farm machinery and equipment valued at more than \$10.6 million. Next in importance were 98 dairy associations, which accounted for \$3.2 million in dairy equipment. Fifteen poultry associations also handled a substantial volume of poultry equipment amounting to \$1.9 million.

Net value of farm machinery and equipment after adjusting for duplication arising from transactions between cooperatives amounted to approximately \$63 million. This interassociation volume of almost \$41 million represented the value at manufacturing or wholesale level of farm machinery and equipment purchased by 34 regional associations for other cooperatives.

Indiana led all States in net purchases of farm machinery and equipment with a volume of \$5.7 million. Wisconsin and Minnesota came next, followed by Michigan, Washington, and New York.

### FEED

Feed was the most important individual supply item both in dollar volume and in number of associations handling the commodity. A total of 4,707 associations handled a gross volume of feed amounting to \$897 million, which, after adjusting for duplication arising from interassociation business, resulted in a net volume of \$683 million. This interassociation business of \$214 million represented the value of feed at manufacturing or wholesale level purchased by 57 regional associations for other cooperatives.



A total of 2,029 purchasing associations handled feed with a gross value of \$686 million. Another 2,678 marketing and service associations handled feed valued at \$211 million. Grain associations were of major importance in distributing feed, with 1,351 associations accounting for a gross amount of \$89 million. Poultry associations were next in importance, with the gross business of 26 associations amounting to \$37 million. Dairy associations ranked third in the marketing group, with 423 associations supplying their patrons with feed valued at \$30 million.

In net purchases of feed, New York led with a volume of \$74.5 million, followed by Pennsylvania, California, New Jersey, Minnesota, and Missouri.

### FERTILIZER

Fertilizer was the third most important supply item both in dollar volume and number of associations handling it. A total of 3,521 associations handled fertilizer in 1950-51 with a gross value of \$256 million. After adjusting for duplication arising from transactions between cooperatives, net value was \$154 million. This interassociation volume of about \$102 million represented the value at manufacturing or wholesale level of fertilizer purchased by 59 regional associations for other cooperatives.

An estimated 2,025 purchasing associations distributed fertilizer to their patrons with a gross value of \$204 million. Another 1,496 marketing and service associations accounted for the balance of \$52 million. Of the marketing associations, 606 grain associations had the largest volume, with gross business amounting to \$18 million. Cotton associations came next, with 77 associations accounting for \$11 million, followed by 241 fruit and vegetable associations with a volume of \$6.8 million.

Illinois, Mississippi, Indiana, New York, Florida, and Wisconsin led in net purchases of fertilizer.

### PETROLEUM PRODUCTS

Petroleum products represented the second most important supply item handled by farmers' cooperatives in 1950-51 measured by dollar volume, although it ranked fourth in number of associations handling this commodity. A total of 2,848 associations handled a gross volume of petroleum products amounting to \$574 million. After adjusting for duplication arising from transactions between cooperatives, the net volume was \$366 million. This interassociation volume of about \$208 million represented the value at manufacturing or wholesale level of petroleum products purchased by 48 regional associations for other cooperatives.

A total of 2,114 purchasing associations accounted for \$526 million of the gross volume. Another 734 marketing and service associations handled petroleum products for patrons amounting to \$48 million. Most important

in the marketing group were 391 grain associations with a business of \$28 million. They were followed by 64 dairy associations with a volume of \$3.4 million and by 7 poultry associations with a volume of \$2.2 million.

Minnesota, Illinois, and Iowa were the leading States in net purchases of petroleum products. They were followed by Wisconsin, Nebraska, and Indiana.

## SEED

Seed ranked fourth among supplies in dollar volume and was third in the number of cooperatives handling it in 1950-51. A total of 3,930 associations handled a gross volume of \$121 million. Net value after adjusting for duplication arising from interassociation business amounted to \$89 million. This interassociation volume of almost \$32 million represented purchases by 48 regional associations for other cooperatives.

A total of 1,891 purchasing associations handled a gross volume of seed amounting to \$86 million. A larger number, 2,039 marketing and service associations, supplied their patrons with seed valued at \$35 million. More than half of this volume, \$18 million, was handled by 994 grain associations. A total of 166 cotton associations accounted for another \$5 million, and 236 dairy associations for \$2.4 million.

States leading in net purchases of seed were Illinois, Iowa, New York, Missouri, Pennsylvania, and Wisconsin.

## OTHER SUPPLIES

Miscellaneous supplies, including building materials, insecticides, containers, automotive supplies, hardware, and plant equipment, were handled by 5,937 associations doing a gross business in 1950-51 amounting to more than \$439 million. The net value of miscellaneous supplies handled for patrons in 1950-51, after adjusting for duplication arising from transactions between cooperatives, amounted to \$289 million. This interassociation volume of over \$150 million represented the value at manufacturing or wholesale level of purchases by 87 regional associations for other cooperatives.

A total of 2,567 purchasing associations had a gross business of \$322 million. Another 3,370 marketing and service associations did a gross business in miscellaneous supplies amounting to \$117 million. Of this amount, 1,135 grain associations accounted for \$48 million, 314 fruit and vegetable associations for \$22 million, 812 dairy associations for \$15.7 million, and 133 cotton associations for \$7.3 million.

Minnesota, Iowa, and Wisconsin led in net purchases of miscellaneous supplies. They were followed by Indiana, Missouri, and New York.

## SERVICES

Receipts for all types of services performed by 4,144 marketing, purchasing, and service cooperatives amounted to \$100 million. A total of 262 associations engaged primarily in service operations, such as trucking associations, locker plants, and warehousing associations, reported receipts for services amounting to about \$6 million.

Service receipts reported by 3,186 associations of other types engaged primarily in marketing or purchasing activities amounted to \$69 million. These receipts included fees for miscellaneous services, such as trucking, grinding, picking, drying, and storing.

Receipts for cotton ginning received by 480 cotton associations amounted to almost \$22 million. In addition about \$3 million was received by 216 livestock trucking associations transporting livestock to terminal markets. These were included among the livestock marketing cooperatives.



Table 4. - Estimated business<sup>1</sup> of farmers' marketing, purchasing, and service associations<sup>2</sup> by commodity groups, geographic divisions, and States, 1950-51<sup>3</sup>

(For a discussion of methods used in estimating dollar volume and number of associations handling each commodity group, see pages 5, 13, and 18.)

Geographic division and State	Dry beans						Cotton and products						Dairy products					
	Estimated number of associations handling <sup>4</sup>			Estimated value of sales <sup>5</sup>			Estimated number of associations handling <sup>4</sup>			Estimated value of sales <sup>5</sup>			Estimated number of associations handling <sup>4</sup>			Estimated value of sales <sup>5</sup>		
	Head-quarters in State	Head-quarters out of State	Total in State	Gross	Net <sup>6</sup>		Head-quarters in State	Head-quarters out of State	Total in State	Gross	Net <sup>6</sup>		Head-quarters in State	Head-quarters out of State	Total in State	Gross	Net <sup>6</sup>	
				\$1,000	\$1,000					\$1,000	\$1,000					\$1,000	\$1,000	
UNITED STATES-----	175	-	-	38,450	31,137		550	-	-	349,522	320,019		2,072	-	-	2,298,201	1,933,174	
New England-----	2	-	-	(7)	(7)		-	-	-	-	-		36	-	-	109,529	109,434	
Maine-----	2	-	2	(7)	(7)		-	-	-	-	-		2	2	4	11,912	11,912	
New Hampshire-----	-	-	-	-	-		-	-	-	-	-		4	3	7	10,067	10,067	
Vermont-----	-	-	-	-	-		-	-	-	-	-		17	6	23	53,119	53,108	
Massachusetts-----	-	-	-	-	-		-	-	-	-	-		8	2	10	12,554	12,476	
Rhode Island-----	-	-	-	-	-		-	-	-	-	-		1	2	3	4,951	4,951	
Connecticut-----	-	-	-	-	-		-	-	-	-	-		4	3	7	16,926	16,920	
Middle Atlantic-----	92	-	-	3,488	2,552		-	-	-	-	-		115	-	-	497,378	377,632	
New York-----	68	-	68	3,181	2,339		-	-	-	-	-		84	5	89	336,814	217,068	
New Jersey-----	11	1	12	151	104		-	-	-	-	-		2	2	4	33,383	33,383	
Pennsylvania-----	13	1	14	156	109		-	-	-	-	-		29	4	33	127,181	127,181	
East North Central-----	50	-	-	10,199	7,265		-	-	-	-	-		626	-	-	692,178	608,941	
Ohio-----	8	-	8	1,200	1,200		-	-	-	-	-		37	3	40	71,181	70,043	
Indiana-----	3	-	3	732	732		-	-	-	-	-		21	7	28	62,005	55,730	
Illinois-----	8	-	8	2,546	2,546		-	-	-	-	-		64	7	71	93,204	85,303	
Michigan-----	29	-	29	5,708	2,774		-	-	-	-	-		46	5	51	120,956	107,470	
Wisconsin-----	2	-	2	13	13		-	-	-	-	-		458	6	464	344,832	290,395	
West North Central-----	16	-	-	2,542	2,542		1	-	-	1,785	1,785		1,056	-	-	494,598	415,976	
Minnesota-----	4	-	4	754	754		-	-	-	-	-		552	2	554	249,961	191,595	
Iowa-----	9	-	9	1,580	1,580		-	-	-	-	-		252	3	255	116,821	99,915	
Missouri-----	-	-	-	-	-		1	2	3	1,785	1,785		81	1	82	45,703	45,703	
North Dakota-----	-	-	-	-	-		-	-	-	-	-		39	3	42	13,554	10,204	
South Dakota-----	2	-	2	184	184		-	-	-	-	-		54	1	55	12,203	12,203	
Nebraska-----	1	-	1	24	24		-	-	-	-	-		44	1	45	22,489	22,489	
Kansas-----	-	-	-	-	-		-	-	-	-	-		34	3	37	33,867	33,867	
South Atlantic-----	-	-	-	-	-		14	-	-	36,005	36,005		52	-	-	94,119	94,119	
Delaware-----	-	-	-	-	-		-	-	-	-	-		1	1	2	3,576	3,576	
Maryland-----	-	-	-	-	-		-	-	-	-	-		3	3	6	39,666	39,666	
District of Columbia-----	-	-	-	-	-		-	-	-	-	-		1	-	1	(1)	(1)	
Virginia-----	-	-	-	-	-		-	-	-	-	-		14	2	16	25,228	25,228	
West Virginia-----	-	-	-	-	-		-	-	-	-	-		2	3	5	2,410	2,410	
North Carolina-----	-	-	-	-	-		1	-	1	4,182	4,182		12	1	13	9,913	9,913	
South Carolina-----	-	-	-	-	-		1	-	1	(Ginning)			-	-	-	-	-	
Georgia-----	-	-	-	-	-		11	-	11	31,689	31,689		17	-	17	9,004	9,004	
Florida-----	-	-	-	-	-		1	-	1	134	134		3	-	3	4,322	4,322	
East South Central-----	-	-	-	-	-		73	-	-	90,094	87,948		20	-	-	39,848	38,043	
Kentucky-----	-	-	-	-	-		-	-	-	-	-		5	3	8	15,682	15,600	
Tennessee-----	-	-	-	-	-		3	-	3	3,026	3,026		9	1	10	18,888	17,165	
Alabama-----	-	-	-	-	-		7	-	7	651	651		4	-	4	3,588	3,588	
Mississippi-----	-	-	-	-	-		63	1	64	86,417	84,271		2	-	2	1,690	1,690	
West South Central-----	1	-	-	996	598		430	-	-	167,962	142,254		42	-	-	59,788	59,788	
Arkansas-----	1	-	1	996	598		35	3	38	18,682	16,908		3	-	3	4,569	4,569	
Louisiana-----	-	-	-	-	-		3	2	5	3,638	3,638		5	-	5	6,606	6,606	
Oklahoma-----	-	-	-	-	-		72	-	72	23,584	20,641		23	3	26	11,560	11,560	
Texas-----	-	-	-	-	-		320	-	320	122,058	101,067		11	-	11	37,053	37,053	
Mountain-----	11	-	-	7,008	4,115		18	-	-	15,456	13,807		48	-	-	83,110	60,618	
Montana-----	-	1	1	420	55		-	-	-	-	-		9	1	10	2,684	2,328	
Idaho-----	2	1	3	3,419	2,018		-	-	-	-	-		12	3	15	41,390	24,677	
Wyoming-----	-	1	1	770	100		-	-	-	-	-		5	1	6	2,005	2,005	
Colorado-----	9	-	9	2,399	1,942		-	-	-	-	-		8	2	10	20,867	15,444	
New Mexico-----	-	-	-	-	-		18	2	20	15,376	13,727		-	-	-	-	-	
Arizona-----	-	-	-	-	-		-	1	1	80	80		2	-	2	4,816	4,816	
Utah-----	-	-	-	-	-		-	-	-	-	-		10	-	10	9,990	9,990	
Nevada-----	-	-	-	-	-		-	-	-	-	-		2	1	3	1,358	1,358	
Pacific-----	3	-	-	14,217	14,065		14	-	-	38,220	38,220		77	-	-	227,653	168,623	
Washington-----	-	1	1	70	9		-	-	-	-	-		21	1	22	69,465	44,394	
Oregon-----	-	-	-	-	-		-	-	-	-	-		27	2	29	51,085	40,150	
California-----	3	1	4	14,147	14,056		14	-	14	38,220	38,220		29	1	30	107,103	84,079	

<sup>1</sup> The value of products marketed is credited to the State in which they originate and the value of farm supplies is credited to the State in which they are sold.<sup>2</sup> Includes independent local associations, federations, and large-scale centralized associations.<sup>3</sup> Covers operations of associations whose fiscal years ended during the period July 1, 1950 through June 30, 1951, with limited exceptions.<sup>4</sup> The number of associations handling each commodity in 1950-51 cannot be compared with the figures shown in previous years. For example, in this year's figures, each association reporting any sales of poultry or poultry products is counted in the number of associations handling this commodity. Thus, in addition to the 128 associations whose major activity was marketing poultry and poultry products, 634 associations which were engaged primarily in other types of marketing or supply business were also marketing poultry and poultry products. The total number of associations handling each commodity within a State includes not only the associations handling the commodity which have headquarters in that State but all other associations handling the commodity in that State whose headquarters are located in some other State. Number of associations handling a commodity include those performing specific services on the commodity, such as cotton ginning associations, livestock trucking associations, rice drying, associations, and fruit drying associations. (Income from these specific services is included with service receipts.)<sup>5</sup> Includes the value of commodities marketed by cooperatives under price support program in 1950-51.<sup>6</sup> This figure approximately represents the value at the level at which the farmer does business with his cooperative. It does not include the wholesale business of farm supply cooperatives done with other cooperatives or terminal market sales performed for local associations. The net business figures for 1950-51 cannot be compared with volume of business for previous years since the 1950-51 net covers all business for each commodity whether handled by a cooperative specializing in this commodity or not. In previous years, for example, the poultry figure was all the marketing business reported by a cooperative doing more than 50 percent of its business in poultry which meant it also might include sideline business. The 1950-51 figures cover only the poultry business handled by poultry cooperatives, and they also include the poultry business handled by all other types of cooperatives.<sup>7</sup> Less than \$500.

Table 4. - Continued

Geographic division and State	Fruits and vegetables						Grain, soybeans, meal, and oil						Livestock and livestock products					
	Estimated number of associations handling <sup>a</sup>			Estimated value of sales		Estimated number of associations handling <sup>a</sup>			Estimated value of sales <sup>b</sup>		Estimated number of associations handling <sup>a</sup>			Estimated value of sales				
	Head- quar- ters in State	Head- quar- ters out of State	Total in State	Gross	Net <sup>c</sup>	Head- quar- ters in State	Head- quar- ters out of State	Total in State	Gross	Net <sup>c</sup>	Head- quar- ters in State	Head- quar- ters out of State	Total in State	Gross	Net <sup>c</sup>			
				\$1,000	\$1,000				\$1,000	\$1,000				\$1,000	\$1,000			
UNITED STATES-----	951	-	-	1,024,577	701,777	2,740	-	-	2,051,297	1,355,392	753	-	-	1,406,328	1,321,249			
New England-----	21	-	-	18,412	13,839	3	-	-	761	761	3	-	-	869	869			
Maine-----	6	-	6	4,503	4,503	3	-	3	761	761	-	-	-	-	-			
New Hampshire-----	2	-	2	375	375	-	-	-	-	-	-	-	-	-	-			
Vermont-----	2	-	2	162	152	-	-	-	-	-	1	1	2	207	207			
Massachusetts-----	5	-	5	13,002	8,429	-	-	-	-	-	1	-	1	608	608			
Rhode Island-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Connecticut-----	6	-	6	370	370	-	-	-	-	-	1	-	1	54	54			
Middle Atlantic-----	55	-	-	37,340	36,349	115	-	-	15,639	10,193	15	-	-	34,053	34,053			
New York-----	26	2	28	9,837	9,809	69	-	69	11,050	6,888	5	-	5	20,511	20,511			
New Jersey-----	13	3	16	12,096	11,133	13	1	14	1,033	802	4	1	5	5,449	5,449			
Pennsylvania-----	16	2	18	15,407	15,407	33	1	34	3,556	2,503	6	3	9	8,093	8,093			
East North Central-----	91	-	-	41,729	39,634	657	-	-	525,190	376,322	185	-	-	581,388	541,862			
Ohio-----	20	1	21	10,704	10,704	178	-	178	117,777	79,711	14	4	18	159,933	158,172			
Indiana-----	6	-	6	262	262	108	2	110	107,473	69,554	5	6	11	105,471	105,273			
Illinois-----	10	-	10	1,330	1,330	263	1	264	265,576	206,708	38	8	46	221,845	184,318			
Michigan-----	45	-	45	22,446	21,996	79	1	80	32,197	20,182	13	2	15	33,323	33,323			
Wisconsin-----	10	2	12	6,967	5,322	29	-	29	2,167	2,167	115	3	118	60,816	60,776			
West North Central-----	47	-	-	16,584	16,584	1,525	-	-	1,133,209	737,792	441	-	-	487,581	442,107			
Minnesota-----	20	-	20	4,789	4,789	237	4	241	197,223	131,391	212	3	215	126,777	127,427			
Iowa-----	3	-	3	647	647	279	4	283	216,748	139,415	74	6	80	128,222	99,511			
Missouri-----	10	-	10	1,159	1,159	96	1	97	33,098	22,679	66	4	70	76,489	76,371			
North Dakota-----	6	-	6	354	354	307	1	308	253,720	155,320	61	5	66	42,057	42,057			
South Dakota-----	1	-	1	576	576	159	3	162	96,227	69,773	10	4	14	21,103	17,638			
Nebraska-----	5	-	5	8,856	8,854	211	3	214	143,451	101,425	10	7	17	66,031	56,201			
Kansas-----	2	-	2	203	203	236	4	240	192,642	117,589	8	9	17	22,902	22,902			
South Atlantic-----	113	-	-	146,581	88,915	47	-	-	10,167	8,515	48	-	-	15,524	15,524			
Delaware-----	3	-	3	2,452	2,452	7	1	8	1,572	1,143	-	-	-	-	-			
Maryland-----	5	-	5	904	904	15	1	16	2,361	2,218	-	-	-	-	-			
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Virginia-----	10	-	10	3,016	3,016	14	-	14	3,333	2,271	12	-	12	4,405	4,405			
West Virginia-----	1	-	1	9	9	1	1	2	13	9	13	1	14	4,472	4,472			
North Carolina-----	7	-	7	346	346	1	-	1	1,088	1,088	7	-	7	2,078	2,078			
South Carolina-----	5	-	5	857	857	4	-	4	847	847	5	-	5	1,021	1,021			
Georgia-----	8	-	8	275	243	5	-	5	953	939	7	-	7	1,304	1,304			
Florida-----	74	1	75	138,722	81,088	-	-	-	-	-	4	-	4	2,244	2,244			
East South Central-----	36	-	-	3,494	3,494	9	-	-	2,616	2,616	14	-	-	33,696	33,656			
Kentucky-----	6	-	6	1,446	1,446	3	-	3	2,292	2,292	1	7	8	20,695	20,655			
Tennessee-----	12	-	12	1,671	1,671	1	-	1	2	2	3	2	5	6,574	6,574			
Alabama-----	13	-	13	329	329	-	-	-	-	-	5	-	5	6,171	6,171			
Mississippi-----	5	-	5	48	48	5	-	5	322	322	5	-	5	256	256			
West South Central-----	68	-	-	16,030	10,927	206	-	-	117,375	65,658	12	-	-	70,721	70,721			
Arkansas-----	10	-	10	1,174	1,174	21	-	21	2,690	2,129	2	3	5	368	368			
Louisiana-----	18	-	18	4,158	3,647	-	-	-	-	-	-	-	-	-	-			
Oklahoma-----	5	-	5	273	273	87	1	88	65,786	35,315	5	5	10	29,896	29,896			
Texas-----	35	-	35	10,425	5,833	98	2	100	48,899	28,214	5	5	10	40,457	40,457			
Mountain-----	115	-	-	141,904	88,732	104	-	-	140,711	71,959	24	-	-	139,874	139,834			
Montana-----	11	-	11	5,745	5,745	59	1	60	83,897	34,697	2	6	8	21,238	21,238			
Idaho-----	19	2	21	12,971	10,971	12	2	14	26,680	13,916	15	2	17	18,390	18,390			
Wyoming-----	4	-	4	37,245	17,245	4	1	5	1,639	1,386	2	4	6	6,698	6,698			
Colorado-----	31	-	31	45,609	42,109	24	2	26	23,461	20,272	3	6	9	66,179	66,139			
New Mexico-----	3	-	3	301	301	3	-	3	1,188	1,188	-	2	2	546	546			
Arizona-----	8	1	9	27,877	4,855	-	-	-	-	-	-	1	1	5,340	5,340			
Utah-----	39	-	39	12,156	7,506	2	1	3	3,846	500	2	-	2	20,727	20,727			
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	1	1	756	756			
Pacific-----	405	-	-	602,503	403,303	74	-	-	105,629	79,576	11	-	-	42,622	42,622			
Washington-----	54	2	56	53,374	43,889	35	2	37	70,463	51,868	2	2	4	6,135	6,135			
Oregon-----	28	2	30	40,881	35,755	28	1	29	29,283	21,825	3	2	5	954	954			
California-----	323	-	323	508,248	323,659	11	-	11	5,883	5,883	6	1	7	35,533	35,533			

Table 4. - Continued

Geographic division and State	Nuts						Poultry products						Rice					
	Estimated number of associations handling			Estimated value of sales <sup>5</sup>			Estimated number of associations handling			Estimated value of sales			Estimated number of associations handling			Estimated value of sales <sup>5</sup>		
	Head-quarters in State	Head-quarters out of State	Total in State	Gross	Net <sup>6</sup>		Head-quarters in State	Head-quarters out of State	Total in State	Gross	Net <sup>6</sup>		Head-quarters in State	Head-quarters out of State	Total in State	Gross	Net <sup>6</sup>	
				\$1,000	\$1,000					\$1,000	\$1,000					\$1,000	\$1,000	
UNITED STATES-----	81	-	-	141,012	113,485		760	-	-	303,716	263,360		32	-	-	131,191	90,729	
New England-----	-	-	-	-	-		22	-	-	24,076	24,076		-	-	-	-	-	
Maine-----	-	-	-	-	-		3	-	3	5	5		-	-	-	-	-	
New Hampshire-----	-	-	-	-	-		2	1	3	3,043	3,043		-	-	-	-	-	
Vermont-----	-	-	-	-	-		2	-	2	374	374		-	-	-	-	-	
Massachusetts-----	-	-	-	-	-		8	-	8	10,929	10,929		-	-	-	-	-	
Rhode Island-----	-	-	-	-	-		2	-	2	1,793	1,793		-	-	-	-	-	
Connecticut-----	-	-	-	-	-		5	-	5	7,932	7,932		-	-	-	-	-	
Middle Atlantic-----	-	-	-	-	-		33	-	-	49,656	48,654		-	-	-	-	-	
New York-----	-	-	-	-	-		11	2	13	11,605	11,587		-	-	-	-	-	
New Jersey-----	-	-	-	-	-		8	1	9	21,281	21,281		-	-	-	-	-	
Pennsylvania-----	-	-	-	-	-		14	1	15	16,770	15,786		-	-	-	-	-	
East North Central-----	2	-	-	2	2		110	-	-	30,843	24,432		-	-	-	-	-	
Ohio-----	-	-	-	-	-		15	-	15	16,000	14,467		-	-	-	-	-	
Indiana-----	-	-	-	-	-		39	-	39	4,328	1,453		-	-	-	-	-	
Illinois-----	-	-	-	-	-		8	2	10	1,271	928		-	-	-	-	-	
Michigan-----	-	-	-	-	-		24	1	25	3,125	3,106		-	-	-	-	-	
Wisconsin-----	2	-	2	2	2		24	2	26	6,119	4,478		-	-	-	-	-	
West North Central-----	22	-	-	24	24		446	-	-	75,871	56,456		-	-	-	-	-	
Minnesota-----	-	-	-	-	-		151	1	152	31,812	25,680		-	-	-	-	-	
Iowa-----	-	-	-	-	-		33	-	33	6,500	6,500		-	-	-	-	-	
Missouri-----	22	-	22	24	24		115	1	116	20,412	8,313		-	-	-	-	-	
North Dakota-----	-	-	-	-	-		20	1	21	2,203	2,109		-	-	-	-	-	
South Dakota-----	-	-	-	-	-		37	-	37	4,002	4,002		-	-	-	-	-	
Nebraska-----	-	-	-	-	-		57	1	58	7,235	6,145		-	-	-	-	-	
Kansas-----	-	-	-	-	-		33	-	33	3,707	3,707		-	-	-	-	-	
South Atlantic-----	9	-	-	62,260	62,260		38	-	-	26,240	26,240		-	-	-	-	-	
Delaware-----	-	-	-	-	-		1	1	2	179	179		-	-	-	-	-	
Maryland-----	-	-	-	-	-		2	-	2	1,826	1,826		-	-	-	-	-	
District of Columbia-----	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-	
Virginia-----	1	-	1	9,095	9,095		12	1	13	17,710	17,710		-	-	-	-	-	
West Virginia-----	-	-	-	-	-		2	1	3	222	222		-	-	-	-	-	
North Carolina-----	-	-	-	-	-		10	-	10	4,954	4,954		-	-	-	-	-	
South Carolina-----	1	-	1	31	31		2	1	3	364	364		-	-	-	-	-	
Georgia-----	7	-	7	53,134	53,134		5	-	5	649	649		-	-	-	-	-	
Florida-----	-	-	-	-	-		4	-	4	336	336		-	-	-	-	-	
East South Central-----	1	-	-	12	12		23	-	-	2,191	2,103		-	-	-	-	-	
Kentucky-----	-	-	-	-	-		1	-	1	57	57		-	-	-	-	-	
Tennessee-----	-	-	-	-	-		3	-	3	13	13		-	-	-	-	-	
Alabama-----	1	-	1	12	12		12	-	12	1,949	1,861		-	-	-	-	-	
Mississippi-----	-	-	-	-	-		7	-	7	172	172		-	-	-	-	-	
West South Central-----	11	-	-	13,733	13,733		36	-	-	4,655	4,624		29	-	-	102,348	61,886	
Arkansas-----	-	1	1	298	298		3	1	4	2,610	2,579		2	-	2	16,056	16,056	
Louisiana-----	-	1	1	974	974		-	-	-	-	-		15	-	15	19,263	7,934	
Oklahoma-----	6	1	7	5,927	5,927		12	-	12	484	484		-	-	-	-	-	
Texas-----	5	-	5	6,534	6,534		21	-	21	1,561	1,561		12	1	13	67,029	37,896	
Mountain-----	-	-	-	108	108		25	-	-	22,978	18,647		-	-	-	-	-	
Montana-----	-	-	-	-	-		4	1	5	76	49		-	-	-	-	-	
Idaho-----	-	-	-	-	-		2	2	4	2,334	2,064		-	-	-	-	-	
Wyoming-----	-	-	-	-	-		2	1	3	38	25		-	-	-	-	-	
Colorado-----	-	-	-	-	-		10	1	11	2,902	1,669		-	-	-	-	-	
New Mexico-----	-	1	1	81	81		-	-	-	-	-		-	-	-	-	-	
Arizona-----	-	1	1	27	27		-	-	-	-	-		-	-	-	-	-	
Utah-----	-	-	-	-	-		6	1	7	17,518	14,800		-	-	-	-	-	
Nevada-----	-	-	-	-	-		1	1	2	110	40		-	-	-	-	-	
Pacific-----	36	-	-	64,873	37,346		27	-	-	67,206	58,128		3	-	-	28,843	28,843	
Washington-----	1	-	1	86	86		5	1	6	16,234	13,873		-	-	-	-	-	
Oregon-----	8	1	9	5,353	2,507		5	1	6	6,713	5,024		-	-	-	-	-	
California-----	27	2	29	59,434	34,753		17	1	18	44,259	39,231		3	-	3	28,843	28,843	



Table 4. - Continued

Geographic division and State	Tobacco					Wool and mohair					Miscellaneous <sup>a</sup>				
	Estimated number of associations handling <sup>a</sup>			Estimated value of sales <sup>b</sup>		Estimated number of associations handling <sup>a</sup>			Estimated value of sales <sup>b</sup>		Estimated number of associations handling <sup>a</sup>			Estimated value of sales	
	Head- quar- ters in State	Head- quar- ters out of State	Total in State	Gross	Net <sup>c</sup>	Head- quar- ters in State	Head- quar- ters out of State	Total in State	Gross	Net <sup>c</sup>	Head- quar- ters in State	Head- quar- ters out of State	Total in State	Gross	Net <sup>c</sup>
				\$1,000	\$1,000				\$1,000	\$1,000				\$1,000	\$1,000
UNITED STATES-----	24	-	-	125,842	125,842	258	-	-	30,882	29,270	405	-	-	81,591	74,168
New England-----	1	-	-	1,500	1,500	3	-	-	811	811	3	-	-	73	73
Maine-----	-	-	-	-	-	1	-	1	11	11	1	-	1	(7)	(7)
New Hampshire-----	-	-	-	-	-	-	1	1	25	25	1	-	1	48	48
Vermont-----	-	-	-	-	-	-	1	1	25	25	1	-	1	25	25
Massachusetts-----	1	-	1	1,500	1,500	2	-	2	750	750	-	-	-	-	-
Rhode Island-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle Atlantic-----	1	-	-	590	590	31	-	-	575	575	99	-	-	2,737	418
New York-----	-	1	1	32	32	3	-	3	211	211	77	1	78	2,337	50
New Jersey-----	-	1	1	32	32	-	-	-	-	-	13	1	14	42	25
Pennsylvania-----	1	-	1	526	526	28	1	29	364	364	9	1	10	358	343
East North Central-----	2	-	-	2,512	2,512	32	-	-	4,388	4,388	42	-	-	20,941	20,941
Ohio-----	-	-	-	-	-	4	1	5	1,731	1,731	6	-	6	468	468
Indiana-----	-	1	1	4	4	8	2	10	684	684	5	-	5	125	125
Illinois-----	-	-	-	-	-	11	1	12	357	357	11	-	11	526	526
Michigan-----	-	-	-	-	-	5	1	6	879	879	10	-	10	1,123	1,123
Wisconsin-----	2	1	3	2,508	2,508	4	-	4	737	737	10	-	10	18,699	18,699
West North Central-----	1	-	-	617	617	100	-	-	12,307	11,828	151	-	-	13,356	13,242
Minnesota-----	-	-	-	-	-	7	-	7	3,767	3,767	24	1	25	870	756
Iowa-----	-	-	-	-	-	3	-	3	527	527	14	-	14	4,350	4,350
Missouri-----	1	-	1	455	455	77	-	77	1,415	936	95	-	95	7,625	7,625
North Dakota-----	-	-	-	-	-	4	-	4	870	870	2	-	2	154	154
South Dakota-----	-	-	-	-	-	8	-	8	4,288	4,288	3	-	3	39	39
Nebraska-----	-	-	-	-	-	-	1	1	480	480	5	-	5	31	31
Kansas-----	-	1	1	162	162	1	1	2	960	960	8	-	8	287	287
South Atlantic-----	10	-	-	57,555	57,555	25	-	-	1,687	1,577	21	-	-	2,793	2,793
Delaware-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maryland-----	2	-	2	3,691	3,691	1	1	2	63	63	-	-	-	-	-
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Virginia-----	3	1	4	9,658	9,658	17	-	17	1,131	1,027	1	-	1	106	106
West Virginia-----	-	1	1	4	4	4	2	6	445	445	2	-	2	57	57
North Carolina-----	5	2	7	36,290	36,290	3	1	4	48	42	5	-	5	729	729
South Carolina-----	-	1	1	3,784	3,784	-	-	-	-	-	4	-	4	104	104
Georgia-----	-	1	1	3,784	3,784	-	-	-	-	-	4	-	4	27	27
Florida-----	-	1	1	344	344	-	-	-	-	-	5	-	5	1,770	1,770
East South Central-----	9	-	-	63,068	63,068	13	-	-	487	487	11	-	-	1,036	1,036
Kentucky-----	6	2	8	53,041	53,041	5	-	5	294	294	1	-	1	20	20
Tennessee-----	3	2	5	10,027	10,027	7	-	7	157	157	2	-	2	401	401
Alabama-----	-	-	-	-	-	-	-	-	-	-	7	-	7	613	613
Mississippi-----	-	-	-	-	-	1	-	1	36	36	1	-	1	2	2
West South Central-----	-	-	-	-	-	11	-	-	1,595	1,595	33	-	-	14,724	14,724
Arkansas-----	-	-	-	-	-	2	1	3	75	75	1	-	1	63	63
Louisiana-----	-	-	-	-	-	1	1	2	340	340	10	-	10	13,480	13,480
Oklahoma-----	-	-	-	-	-	1	1	2	311	311	6	-	6	466	466
Texas-----	-	-	-	-	-	7	1	8	869	869	16	-	16	715	715
Mountain-----	-	-	-	-	-	40	-	-	7,575	6,587	18	-	-	3,524	3,112
Montana-----	-	-	-	-	-	6	1	7	1,405	417	4	-	4	633	633
Idaho-----	-	-	-	-	-	19	1	20	958	958	5	-	5	712	712
Wyoming-----	-	-	-	-	-	6	-	6	1,978	1,978	1	-	1	770	770
Colorado-----	-	-	-	-	-	3	-	3	820	820	2	1	3	476	64
New Mexico-----	-	-	-	-	-	2	1	3	290	290	1	-	1	3	3
Arizona-----	-	-	-	-	-	1	-	1	119	119	2	-	2	324	324
Utah-----	-	-	-	-	-	2	2	4	1,757	1,757	3	-	3	606	606
Nevada-----	-	-	-	-	-	1	-	1	248	248	-	-	-	-	-
Pacific-----	-	-	-	-	-	3	-	-	1,457	1,422	27	-	-	22,407	17,829
Washington-----	-	-	-	-	-	1	1	2	383	348	8	-	8	8,476	3,898
Oregon-----	-	-	-	-	-	1	-	1	986	986	9	-	9	1,397	1,397
California-----	-	-	-	-	-	1	1	2	88	88	10	-	10	12,534	12,534

<sup>a</sup>Includes forest products, fur pelts, honey, maple syrup, sugar cane, and other products not separately classified.

Table 4. - Continued

Geographic division and State	Total farm products marketed						Farm machinery and equipment						Feed					
	Estimated number of associations handling <sup>a</sup>			Estimated value of sales			Estimated number of associations handling <sup>a</sup>			Estimated value of sales			Estimated number of associations handling <sup>a</sup>			Estimated value of sales		
	Head- quarters in State	Head- quarters out of State	Total in State	Gross \$1,000	Net <sup>b</sup> \$1,000		Head- quarters in State	Head- quarters out of State	Total in State	Gross \$1,000	Net <sup>b</sup> \$1,000		Head- quarters in State	Head- quarters out of State	Total in State	Gross \$1,000	Net <sup>b</sup> \$1,000	
UNITED STATES-----	7,276	-	-	7,982,609	6,359,601		2,149	-	-	104,053	63,152		4,707	-	-	896,882	683,268	
New England-----	83	-	-	156,031	151,363		20	-	-	2,176	1,936		52	-	-	65,382	62,160	
Maine-----	15	2	17	17,192	17,192		2	2	4	978	783		14	2	16	9,414	8,967	
New Hampshire-----	8	5	13	13,558	13,558		2	2	4	475	465		2	2	4	12,726	12,566	
Vermont-----	20	8	28	53,912	53,901		4	1	5	71	71		12	1	13	7,730	7,730	
Massachusetts-----	24	2	26	39,343	34,692		9	2	11	380	345		12	-	12	19,643	17,980	
Rhode Island-----	3	2	5	6,744	6,744		-	1	1	2	2		2	2	2	1,536	1,376	
Connecticut-----	13	3	16	25,282	25,276		3	2	5	270	270		12	3	15	14,333	13,541	
Middle Atlantic-----	339	-	-	641,456	511,016		295	-	-	12,222	7,016		325	-	-	243,696	173,278	
New York-----	191	8	199	395,578	268,495		199	2	201	6,090	3,096		212	-	212	111,382	74,550	
New Jersey-----	31	6	37	73,467	72,209		25	2	27	1,982	1,394		29	2	31	50,478	38,593	
Pennsylvania-----	117	9	126	172,411	170,312		71	7	78	4,150	2,526		84	4	88	81,836	60,135	
East North Central-----	1,559	-	-	1,909,370	1,628,299		558	-	-	38,765	19,059		991	-	-	159,526	108,557	
Ohio-----	244	9	253	378,994	336,496		124	1	125	8,743	2,373		200	1	201	27,396	13,127	
Indiana-----	132	18	150	281,104	233,837		100	5	105	13,467	5,727		119	-	119	35,891	23,248	
Illinois-----	389	18	407	586,655	482,016		61	2	63	3,158	2,177		296	2	298	41,507	29,765	
Michigan-----	170	9	179	219,757	190,853		99	4	103	7,072	4,318		137	3	140	21,511	16,142	
Wisconsin-----	624	13	637	442,860	385,097		174	6	180	6,325	4,464		239	5	244	33,221	26,275	
West North Central-----	3,009	-	-	2,238,474	1,698,953		768	-	-	24,258	16,226		2,108	-	-	163,410	118,797	
Minnesota-----	1,025	11	1,036	617,953	486,159		217	5	222	7,887	4,361		602	2	604	39,571	32,322	
Iowa-----	586	15	601	475,395	352,445		95	5	100	3,083	2,685		339	5	344	37,740	30,109	
Missouri-----	204	8	212	188,165	165,250		104	3	107	2,194	1,011		216	1	217	56,397	31,918	
North Dakota-----	417	9	426	312,912	211,068		99	3	102	3,502	2,571		264	6	270	3,668	2,381	
South Dakota-----	221	8	229	138,722	108,703		69	2	71	1,752	1,445		199	5	204	4,437	3,571	
Nebraska-----	281	13	294	250,597	195,651		101	4	105	4,247	2,847		229	3	232	6,921	6,017	
Kansas-----	275	18	293	254,730	179,677		83	1	84	1,593	1,306		259	2	261	14,676	12,479	
South Atlantic-----	304	-	-	452,931	393,503		48	-	-	6,804	5,069		191	-	-	91,640	69,469	
Delaware-----	11	3	14	7,779	7,350		-	1	1	257	257		8	2	10	8,981	7,318	
Maryland-----	29	5	34	48,511	48,368		1	1	2	527	505		31	2	33	17,437	13,945	
District of Columbia-----	1	-	1	(1)	(1)		-	-	-	-	-		-	-	-	-	-	
Virginia-----	66	4	70	73,682	72,516		13	3	16	2,074	1,035		54	1	55	27,974	21,297	
West Virginia-----	21	9	30	7,632	7,628		-	1	1	10	10		21	1	22	6,086	4,423	
North Carolina-----	33	4	37	59,628	59,622		10	4	14	3,494	2,937		13	2	15	19,065	13,671	
South Carolina-----	12	2	14	7,008	7,008		4	2	6	212	198		6	1	7	917	897	
Georgia-----	43	1	44	100,819	100,773		12	2	14	186	83		41	1	42	9,711	6,453	
Florida-----	88	2	90	147,872	90,238		8	-	8	44	44		17	2	19	1,469	1,465	
East South Central-----	201	-	-	236,542	232,463		47	-	-	723	591		206	-	-	21,826	14,666	
Kentucky-----	34	12	46	93,527	93,405		1	1	2	17	-		47	1	48	10,093	7,266	
Tennessee-----	41	5	46	40,759	39,036		32	2	34	386	366		77	3	80	6,837	3,535	
Alabama-----	42	-	42	13,313	13,225		1	-	1	16	-		34	1	35	2,672	1,887	
Mississippi-----	84	1	85	88,943	86,797		13	2	15	304	225		48	2	50	2,224	1,978	
West South Central-----	755	-	-	569,927	446,508		143	-	-	2,104	1,233		473	-	-	38,760	27,648	
Arkansas-----	72	8	80	47,581	44,817		19	2	21	153	131		37	2	39	14,961	6,681	
Louisiana-----	51	4	55	48,459	36,619		-	1	1	8	-		14	1	15	670	355	
Oklahoma-----	173	11	184	138,287	104,873		38	2	40	656	482		154	3	157	6,808	5,701	
Texas-----	459	9	468	335,600	260,199		86	3	89	1,287	620		268	1	269	16,321	14,911	
Mountain-----	366	-	-	562,248	407,519		131	-	-	4,970	3,675		196	-	-	19,249	16,314	
Montana-----	88	11	99	116,098	65,162		52	4	56	1,304	907		75	5	80	1,257	884	
Idaho-----	72	12	84	106,854	73,706		38	5	43	2,289	1,561		38	1	39	3,264	2,636	
Wyoming-----	20	8	28	51,143	30,207		8	1	9	96	77		9	1	10	533	458	
Colorado-----	81	11	92	162,713	148,459		21	1	22	541	467		48	1	49	3,355	2,569	
New Mexico-----	26	6	32	17,785	16,136		6	-	6	54	54		7	-	7	594	594	
Arizona-----	13	2	15	38,583	15,561		-	1	1	-	-		4	-	4	2,224	1,164	
Utah-----	62	4	66	66,600	55,886		6	4	10	685	609		13	1	14	7,903	7,890	
Nevada-----	4	2	6	2,472	2,402		-	-	-	-	-		2	-	2	119	119	
Pacific-----	660	-	-	1,215,630	889,977		139	-	-	12,031	8,347		165	-	-	93,393	92,379	
Washington-----	127	10	137	224,686	164,500		70	4	74	5,882	3,151		71	1	72	22,197	21,914	
Oregon-----	101	7	108	136,652	108,598		31	2	33	3,728	2,949		49	1	50	14,851	14,172	
California-----	432	5	437	854,292	616,879		38	3	41	2,421	2,247		45	1	46	56,345	56,293	

Table 4. - Continued

Geographic division and State	Fertilizer						Petroleum products						Seed					
	Estimated number of associations handling <sup>1</sup>			Estimated value of sales			Estimated number of associations handling <sup>2</sup>			Estimated value of sales			Estimated number of associations handling <sup>3</sup>			Estimated value of sales		
	Head- quar- ters in State	Head- quar- ters out of State	Total in State	Gross \$1,000	Net <sup>6</sup> \$1,000		Head- quar- ters in State	Head- quar- ters out of State	Total in State	Gross \$1,000	Net <sup>6</sup> \$1,000		Head- quar- ters in State	Head- quar- ters out of State	Total in State	Gross \$1,000	Net <sup>6</sup> \$1,000	
UNITED STATES-----	3,521	-	-	255,771	153,538		2,848	-	-	574,005	366,013		3,930	-	-	120,908	89,248	
New England-----	54	-	-	6,110	6,110		26	-	-	537	501		45	-	-	2,862	2,862	
Maine-----	18	2	20	2,965	2,965		13	2	15	211	188		14	2	16	482	482	
New Hampshire-----	2	2	4	646	646		-	2	2	5	2		2	2	4	506	506	
Vermont-----	10	1	11	454	454		4	-	4	228	228		9	1	10	401	401	
Massachusetts-----	13	-	13	1,081	1,081		7	1	8	74	64		10	-	10	741	741	
Rhode Island-----	-	2	2	84	84		-	1	1	2	2		-	2	2	70	70	
Connecticut-----	11	2	13	880	880		2	1	3	17	17		10	2	12	662	662	
Middle Atlantic-----	327	-	-	32,595	20,065		130	-	-	44,407	26,456		321	-	-	17,047	11,114	
New York-----	210	1	211	15,108	8,588		67	1	68	18,293	10,700		203	-	203	7,200	4,460	
New Jersey-----	31	1	32	6,266	4,563		11	1	12	6,244	3,893		30	1	31	3,123	2,265	
Pennsylvania-----	86	5	91	11,221	6,914		52	2	54	19,870	11,863		88	3	91	6,724	4,389	
East North Central-----	901	-	-	67,726	36,615		689	-	-	164,309	101,446		855	-	-	31,985	20,092	
Ohio-----	198	1	199	12,327	3,887		123	-	123	13,112	5,576		183	1	184	5,236	2,006	
Indiana-----	120	3	123	14,800	8,973		101	2	103	34,267	21,765		108	-	108	5,974	3,201	
Illinois-----	209	2	211	16,194	9,896		129	2	131	66,165	39,000		221	2	223	9,161	7,576	
Michigan-----	141	4	145	9,700	6,348		107	2	109	11,315	7,852		122	3	125	4,320	2,950	
Wisconsin-----	233	6	239	14,705	7,511		229	4	233	39,450	27,253		221	4	225	7,294	4,359	
West North Central-----	1,081	-	-	43,054	20,516		1,267	-	-	257,938	167,627		1,597	-	-	24,754	18,708	
Minnesota-----	350	4	354	12,615	6,622		251	4	255	62,208	40,616		494	2	496	6,357	4,202	
Iowa-----	257	5	262	12,159	6,732		164	5	169	54,438	32,829		284	5	289	6,279	5,756	
Missouri-----	207	-	207	13,481	5,659		165	1	166	21,831	13,765		202	-	202	6,900	4,417	
North Dakota-----	80	5	85	1,193	432		164	5	169	31,257	19,013		244	4	248	2,053	1,712	
South Dakota-----	52	5	57	622	144		109	3	112	23,044	17,359		144	4	148	1,140	830	
Nebraska-----	80	2	82	1,395	362		189	3	192	32,764	23,572		86	2	88	905	810	
Kansas-----	55	2	57	1,589	565		225	3	228	32,396	20,473		143	2	145	1,120	981	
South Atlantic-----	234	-	-	35,903	28,592		49	-	-	13,265	9,011		199	-	-	17,832	15,179	
Delaware-----	8	2	10	1,329	1,032		2	1	3	1,048	574		8	2	10	1,044	744	
Maryland-----	32	2	34	3,491	2,868		17	1	18	4,735	3,741		32	2	34	3,231	2,602	
District of Columbia-----	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-	
Virginia-----	58	2	60	8,507	5,982		18	1	19	5,368	3,181		53	-	53	4,687	3,488	
West Virginia-----	21	1	22	1,231	934		1	1	2	825	351		21	1	22	948	648	
North Carolina-----	14	3	17	5,868	4,324		1	2	3	114	17		14	1	15	4,122	4,000	
South Carolina-----	7	2	9	951	396		5	1	6	30	30		8	1	9	549	540	
Georgia-----	51	1	52	5,696	5,369		-	1	1	28	-		47	-	47	2,739	2,645	
Florida-----	43	3	46	8,830	7,687		5	-	5	1,117	1,117		16	2	18	512	512	
East South Central-----	235	-	-	38,054	22,917		95	-	-	5,535	3,534		226	-	-	13,545	9,750	
Kentucky-----	51	2	53	4,255	2,550		13	1	14	1,616	811		48	1	49	1,886	1,368	
Tennessee-----	79	3	82	7,744	4,224		57	2	59	846	523		79	3	82	3,488	2,394	
Alabama-----	36	1	37	10,153	6,384		12	1	13	1,264	950		36	1	37	3,627	2,872	
Mississippi-----	69	4	73	15,902	9,759		13	3	16	1,809	1,250		63	2	65	4,544	3,116	
West South Central-----	276	-	-	16,699	10,200		194	-	-	21,317	13,365		390	-	-	7,261	6,278	
Arkansas-----	46	2	48	7,201	3,362		20	2	22	1,874	1,753		40	2	42	1,553	918	
Louisiana-----	26	1	27	2,742	1,917		2	-	2	2	2		16	1	17	909	740	
Oklahoma-----	76	3	79	1,354	822		83	2	85	8,210	4,242		102	3	105	1,293	1,136	
Texas-----	128	1	129	5,402	4,099		89	-	89	11,231	7,368		232	1	233	3,506	3,484	
Mountain-----	113	-	-	3,689	1,916		216	-	-	34,235	22,910		143	-	-	1,697	1,466	
Montana-----	29	2	31	467	242		106	4	110	13,065	9,137		63	3	66	398	280	
Idaho-----	32	2	34	1,225	457		38	3	41	8,864	4,982		26	2	28	380	330	
Wyoming-----	3	2	5	65	26		8	1	9	1,062	571		3	1	4	48	48	
Colorado-----	26	1	27	617	483		40	2	42	7,102	5,106		29	1	30	320	290	
New Mexico-----	8	-	8	334	334		7	-	7	1,452	1,452		7	-	7	85	85	
Arizona-----	4	2	6	795	340		2	-	2	176	88		3	-	3	71	38	
Utah-----	11	3	14	186	34		15	2	17	2,514	1,574		10	1	11	393	393	
Nevada-----	-	-	-	-	-		-	-	-	-	-		2	-	2	2	2	
Pacific-----	300	-	-	11,941	6,607		182	-	-	32,462	21,163		154	-	-	3,925	3,799	
Washington-----	69	-	69	2,627	1,793		70	1	71	18,047	11,751		44	-	44	902	871	
Oregon-----	54	2	56	3,325	2,108		41	2	43	11,351	6,450		46	1	47	1,614	1,540	
California-----	177	2	179	5,989	2,706		71	2	73	3,064	2,962		64	1	65	1,409	1,388	



Table 4. - Continued

Geographic division and State	Other supplies					Total supplies					Services			
	Estimated number of associations handling <sup>1</sup>			Estimated value of sales		Estimated number of associations handling			Estimated value of sales		Estimated number of associations handling <sup>4</sup>			Estimated receipts <sup>2</sup>
	Head-quarters in State	Head-quarters out of State	Total in State	Gross	Net <sup>6</sup>	Head-quarters in State	Head-quarters out of State	Total in State	Gross	Net <sup>6</sup>	Head-quarters in State	Head-quarters out of State	Total in State	\$1,000
				\$1,000	\$1,000				\$1,000	\$1,000				
UNITED STATES-----	5,937	-	-	439,097	288,989	7,335	-	-	2,390,716	1,644,208	4,144	-	-	99,859
New England-----	75	-	-	8,511	7,700	94	-	-	85,578	81,269	41	-	-	798
Maine-----	19	5	24	2,867	2,399	20	5	25	16,917	15,784	3	1	4	5
New Hampshire-----	4	5	9	1,528	1,472	6	4	10	15,886	15,657	6	1	7	156
Vermont-----	6	3	9	746	731	26	4	30	9,630	9,615	15	-	15	164
Massachusetts-----	32	1	33	2,379	2,167	23	2	25	24,298	22,378	7	-	7	199
Rhode Island-----	1	3	4	78	75	1	3	4	1,772	1,609	4	1	5	155
Connecticut-----	13	3	16	913	856	18	5	23	17,075	16,226	6	1	7	119
Middle Atlantic-----	461	-	-	46,424	27,235	478	-	-	396,391	265,164	72	-	-	4,313
New York-----	296	2	298	24,318	13,306	304	3	307	182,391	114,700	19	1	20	2,571
New Jersey-----	51	2	53	7,216	5,012	51	4	55	75,309	55,720	13	1	14	802
Pennsylvania-----	114	4	118	14,890	8,917	123	11	134	138,691	94,744	40	1	41	940
East North Central-----	1,290	-	-	106,616	65,566	1,492	-	-	568,927	351,335	938	-	-	14,504
Ohio-----	226	2	228	14,742	7,414	210	5	215	81,556	34,383	197	-	197	4,243
Indiana-----	131	5	136	28,187	16,905	137	9	146	132,586	79,819	106	1	107	2,229
Illinois-----	341	4	345	22,965	11,943	445	10	455	159,150	100,357	280	3	283	4,299
Michigan-----	155	4	159	15,402	11,145	187	9	196	69,320	48,755	113	2	115	1,352
Wisconsin-----	437	8	445	25,320	18,159	513	15	528	126,315	88,021	242	4	246	2,381
West North Central-----	2,498	-	-	133,272	100,265	3,074	-	-	646,686	442,139	1,844	-	-	21,549
Minnesota-----	768	5	773	37,338	25,910	962	9	971	165,976	114,033	575	4	579	7,126
Iowa-----	484	7	491	25,568	22,437	574	12	586	139,267	100,548	400	7	407	3,463
Missouri-----	218	2	220	23,009	13,490	249	5	254	123,812	70,260	114	-	114	1,110
North Dakota-----	322	6	328	15,418	11,818	433	8	441	57,091	37,927	291	3	294	2,603
South Dakota-----	193	5	198	8,786	7,502	188	9	197	39,781	30,851	124	3	127	1,369
Nebraska-----	281	4	285	12,408	10,158	359	8	367	58,640	43,766	151	4	155	1,612
Kansas-----	232	1	233	10,745	8,950	309	4	313	62,119	44,754	189	6	195	4,266
South Atlantic-----	270	-	-	40,529	25,947	373	-	-	205,973	153,267	95	-	-	5,707
Delaware-----	10	2	12	2,113	1,408	11	2	13	14,772	11,333	1	1	2	9
Maryland-----	43	3	46	4,976	3,314	49	4	53	34,397	26,975	11	-	11	191
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Virginia-----	71	1	72	15,640	9,346	82	5	87	64,250	44,329	18	1	19	727
West Virginia-----	24	1	25	2,407	1,702	26	2	28	11,507	8,068	4	1	5	89
North Carolina-----	17	3	20	5,878	4,750	70	6	76	38,541	29,699	13	-	13	527
South Carolina-----	13	1	14	709	700	19	2	21	3,368	2,761	7	1	8	59
Georgia-----	45	1	46	2,741	2,397	54	3	57	21,101	16,947	14	-	14	476
Florida-----	47	3	50	6,065	2,330	62	3	65	18,037	13,155	27	-	27	3,629
East South Central-----	216	-	-	13,697	9,576	292	-	-	93,380	61,034	159	-	-	3,192
Kentucky-----	59	1	60	4,282	3,083	65	2	67	22,149	15,078	9	-	9	118
Tennessee-----	70	3	73	2,301	1,472	84	6	90	21,602	12,514	31	1	32	139
Alabama-----	34	1	35	2,407	1,877	48	2	50	20,139	13,970	18	1	19	571
Mississippi-----	53	3	56	4,707	3,144	95	6	101	29,490	19,472	101	2	103	2,364
West South Central-----	432	-	-	16,090	11,146	646	-	-	102,231	69,870	610	-	-	27,506
Arkansas-----	50	2	52	3,171	2,221	69	5	74	28,913	15,066	52	2	54	2,251
Louisiana-----	23	-	23	744	270	33	2	35	5,075	3,284	18	-	18	590
Oklahoma-----	119	2	121	3,979	2,841	167	4	171	22,300	15,224	146	3	149	5,929
Texas-----	240	1	241	8,196	5,814	377	4	381	45,943	36,296	394	2	396	18,736
Mountain-----	295	-	-	19,522	13,889	392	-	-	83,362	60,170	173	-	-	6,268
Montana-----	107	6	113	5,139	3,825	144	7	151	21,630	15,275	53	4	57	647
Idaho-----	58	6	64	2,732	1,707	73	8	81	18,754	11,673	30	5	35	1,669
Wyoming-----	16	1	17	678	559	17	2	19	2,482	1,739	10	2	12	150
Colorado-----	76	2	78	5,344	4,847	92	2	94	17,279	13,762	37	4	41	684
New Mexico-----	10	-	10	545	545	17	-	17	3,064	3,064	25	-	25	1,626
Arizona-----	5	1	6	4,328	2,155	9	2	11	7,595	3,785	6	-	6	37
Utah-----	23	3	26	756	251	37	5	42	12,437	10,751	12	2	14	1,455
Nevada-----	-	-	-	-	-	3	-	3	121	121	-	-	-	-
Pacific-----	400	-	-	54,436	27,665	494	-	-	208,188	159,960	212	-	-	16,022
Washington-----	145	5	150	15,934	11,476	150	7	157	65,589	50,956	63	1	64	5,334
Oregon-----	77	4	81	7,636	6,036	92	5	97	42,505	33,255	53	3	56	2,625
California-----	178	3	181	30,866	10,153	252	4	256	100,094	75,749	96	1	97	8,063

<sup>3</sup> Charges for services in which no duplication occurs.

Table 4. - Continued

Geographic division and State	Total - Marketing, purchasing, and service			
	Estimated number of associations in State	Estimated number of associations doing business in State	Gross business	Net business <sup>6</sup>
			\$1,000	\$1,000
UNITED STATES-----	9,977	-	10,473,184	8,103,668
New England-----	146	-	242,407	233,430
Maine-----	27	33	34,114	32,981
New Hampshire-----	10	18	29,600	29,371
Vermont-----	37	47	63,706	63,680
Massachusetts-----	39	42	63,840	57,269
Rhode Island-----	5	10	8,671	8,508
Connecticut-----	28	35	42,476	41,621
Middle Atlantic-----	623	-	1,042,160	780,493
New York-----	383	394	580,540	385,766
New Jersey-----	58	66	149,578	128,731
Pennsylvania-----	182	200	312,042	265,996
East North Central-----	2,133	-	2,492,801	1,994,138
Ohio-----	303	316	464,793	375,122
Indiana-----	158	181	415,919	315,885
Illinois-----	578	599	750,104	586,672
Michigan-----	233	249	290,429	240,960
Wisconsin-----	861	885	571,556	475,499
West North Central-----	3,891	-	2,906,709	2,162,641
Minnesota-----	1,261	1,277	791,055	607,318
Iowa-----	710	733	618,125	456,456
Missouri-----	289	301	313,087	236,620
North Dakota-----	560	575	372,606	251,598
South Dakota-----	305	319	179,872	140,923
Nebraska-----	415	434	310,849	241,029
Kansas-----	351	373	321,115	228,697
South Atlantic-----	547	-	664,611	552,477
Delaware-----	14	18	22,560	18,692
Maryland-----	62	68	83,099	75,534
District of Columbia-----	1	-	(1)	(1)
Virginia-----	123	131	138,659	117,572
West Virginia-----	45	53	19,228	15,785
North Carolina-----	92	102	98,696	89,848
South Carolina-----	24	27	10,435	9,828
Georgia-----	79	83	122,396	118,196
Florida-----	107	110	169,538	107,022
East South Central-----	387	-	333,114	296,689
Kentucky-----	85	99	115,794	108,601
Tennessee-----	106	116	62,500	51,689
Alabama-----	66	67	34,023	27,766
Mississippi-----	130	136	120,797	108,633
West South Central-----	911	-	695,664	543,884
Arkansas-----	107	120	78,745	62,134
Louisiana-----	55	60	54,124	40,493
Oklahoma-----	201	216	166,516	126,026
Texas-----	548	559	400,279	315,231
Mountain-----	552	-	651,878	473,957
Montana-----	172	186	138,375	81,084
Idaho-----	109	125	127,277	87,048
Wyoming-----	27	36	53,775	32,096
Colorado-----	117	130	180,676	162,905
New Mexico-----	32	39	22,475	20,826
Arizona-----	15	21	46,215	19,383
Utah-----	74	81	80,492	68,092
Nevada-----	6	9	2,593	2,523
Pacific-----	787	-	1,439,840	1,065,959
Washington-----	193	205	295,609	220,790
Oregon-----	133	144	181,782	144,478
California-----	461	468	962,449	700,691

## APPENDIX

(The statistics for 1950-51 as given in the body of this report cannot be compared directly with prior years. See discussion pages 1-3.)

Table A. - *Farmers' marketing and purchasing associations*<sup>1</sup>: Number listed for specified periods,<sup>2</sup> 1913 to 1949-50

Period	Marketing		Purchasing		Total	
	Number	Percent	Number	Percent	Number	Percent
1913 <sup>3</sup> -----	2,988	96.4	111	3.6	3,099	100.0
1915 <sup>3</sup> -----	5,149	94.9	275	5.1	5,424	100.0
1921 <sup>4</sup> -----	6,476	87.8	898	12.2	7,374	100.0
1925-26-----	9,586	88.7	1,217	11.3	10,803	100.0
1927-28-----	10,195	89.4	1,205	10.6	11,400	100.0
1929-30-----	10,546	87.9	1,454	12.1	12,000	100.0
1930-31-----	10,362	86.7	1,588	13.3	11,950	100.0
1931-32-----	10,255	86.2	1,645	13.8	11,900	100.0
1932-33-----	9,352	85.0	1,648	15.0	11,000	100.0
1933-34-----	9,052	83.0	1,848	17.0	10,900	100.0
1934-35-----	8,794	82.2	1,906	17.8	10,700	100.0
1935-36-----	8,388	79.9	2,112	20.1	10,500	100.0
1936-37 <sup>5</sup> ----	8,142	75.8	2,601	24.2	10,743	100.0
1937-38-----	8,300	76.2	2,600	23.8	10,900	100.0
1938-39-----	8,100	75.7	2,600	24.3	10,700	100.0
1939-40-----	8,051	75.3	2,649	24.7	10,700	100.0
1940-41-----	7,943	74.9	2,657	25.1	10,600	100.0
1941-42-----	7,824	74.2	2,726	25.8	10,550	100.0
1942-43-----	7,708	73.8	2,742	26.2	10,450	100.0
1943-44-----	7,522	73.0	2,778	27.0	10,300	100.0
1944-45-----	7,400	72.9	2,750	27.1	10,150	100.0
1945-46-----	7,378	72.7	2,772	27.3	10,150	100.0
1946-47-----	7,268	71.8	2,857	28.2	10,125	100.0
1947-48-----	7,159	70.6	2,976	29.4	10,135	100.0
1948-49-----	6,993	69.4	3,082	30.6	10,075	100.0
1949-50-----	6,922	69.0	3,113	31.0	10,035	100.0

<sup>1</sup>Includes independent local associations, federations, large-scale centralized associations, and sales agencies.

<sup>2</sup>Most statistics pertaining to farmers' marketing and purchasing cooperatives are now compiled on the basis of the marketing season which includes the period during which the farm products of a specified year are moved into the channels of trade. Marketing seasons overlap.

<sup>3</sup>Compiled from tables appearing in U. S. Dept. Agr. Bul. 547, 82 pp., illus., 1917. See pp. 14-25; and U. S. Dept. Agr. Tech. Bul. 40, 98 pp., illus., 1928. See pp. 70-75.

<sup>4</sup>Includes only associations reporting dollar business.

<sup>5</sup>Information is from a survey made by the Farm Credit Administration in cooperation with the district banks for cooperatives and 33 State agricultural colleges, for 1936-37.



Table B. - *Farmers' marketing and purchasing associations: Estimated membership<sup>1</sup> for specified periods,<sup>2</sup> 1915 to 1949-50*

Period	Marketing		Purchasing		Total	
	Number	Percent	Number	Percent	Number	Percent
1915 <sup>3</sup> -----	591,683	90.9	59,503	9.1	651,186	100.0
1925-26-----	2,453,000	90.9	247,000	9.1	2,700,000	100.0
1927-28-----	2,602,000	86.7	398,000	13.3	3,000,000	100.0
1929-30-----	2,630,000	84.8	470,000	15.2	3,100,000	100.0
1930-31-----	2,608,000	86.9	392,000	13.1	3,000,000	100.0
1931-32-----	2,667,000	83.3	533,000	16.7	3,200,000	100.0
1932-33-----	2,457,300	81.9	542,700	18.1	3,000,000	100.0
1933-34-----	2,464,000	78.1	692,000	21.9	3,156,000	100.0
1934-35-----	2,490,000	75.9	790,000	24.1	3,280,000	100.0
1935-36-----	2,710,000	74.0	950,000	26.0	3,660,000	100.0
1936-37 <sup>4</sup> ----	2,414,000	73.8	856,000	26.2	3,270,000	100.0
1937-38-----	2,500,000	73.5	900,000	26.5	3,400,000	100.0
1938-39-----	2,410,000	73.0	890,000	27.0	3,300,000	100.0
1939-40-----	2,300,000	71.9	900,000	28.1	3,200,000	100.0
1940-41-----	2,420,000	71.2	980,000	28.8	3,400,000	100.0
1941-42-----	2,430,000	67.5	1,170,000	32.5	3,600,000	100.0
1942-43-----	2,580,000	67.0	1,270,000	33.0	3,850,000	100.0
1943-44-----	2,730,000	64.2	1,520,000	35.8	4,250,000	100.0
1944-45-----	2,895,000	64.3	1,610,000	35.7	4,505,000	100.0
1945-46-----	3,150,000	62.9	1,860,000	37.1	5,010,000	100.0
1946-47-----	3,378,000	62.1	2,058,000	37.9	5,436,000	100.0
1947-48-----	3,630,000	61.6	2,260,000	38.4	5,890,000	100.0
1948-49-----	3,973,000	62.2	2,411,000	37.8	6,384,000	100.0
1949-50-----	4,075,000	61.9	2,509,000	38.1	6,584,000	100.0

<sup>1</sup>The membership estimates for the years since about 1935 include members, contract members, and shareholders, but do not include patrons not in these categories. (There is some duplication in these membership figures due to the fact that some farmers belong to more than one association.)

<sup>2</sup>Most statistics pertaining to farmers' marketing and purchasing cooperatives are now compiled on the basis of the marketing season which includes the period during which the farm products of a specified year are moved into the channels of trade. Marketing seasons overlap.

<sup>3</sup>Compiled from tables in U. S. Dept. Agr. Bul. 547, 82 pp., illus., 1917. See pp. 14-25; and U. S. Dept. Agr. Tech. Bul. 40, 98 pp., illus., 1928. See pp. 70-75.

<sup>4</sup>Estimates are based on data collected by the Farm Credit Administration in cooperation with the banks for cooperatives and 33 State agricultural colleges for 1936-37.

Table C. - *Farmers' marketing and purchasing associations: Estimated business<sup>1</sup> for specified periods,<sup>2</sup> 1913 to 1949-50*

Period	Marketing		Purchasing		Total	
	\$1,000	Percent	\$1,000	Percent	\$1,000	Percent
1913 <sup>3</sup> -----	304,385	98.1	5,928	1.9	310,313	100.0
1915 <sup>3</sup> -----	624,161	98.2	11,678	1.8	635,839	100.0
1921-----	1,198,493	95.4	57,721	4.6	1,256,214	100.0
1925-26-----	2,265,000	94.4	135,000	5.6	2,400,000	100.0
1927-28-----	2,172,000	94.4	128,000	5.6	2,300,000	100.0
1929-30-----	2,310,000	92.4	190,000	7.6	2,500,000	100.0
1930-31-----	2,185,000	91.0	215,000	9.0	2,400,000	100.0
1931-32-----	1,744,000	90.6	181,000	9.4	1,925,000	100.0
1932-33-----	1,199,500	89.5	140,500	10.5	1,340,000	100.0
1933-34-----	1,213,000	88.9	152,000	11.1	1,365,000	100.0
1934-35-----	1,343,000	87.8	187,000	12.2	1,530,000	100.0
1935-36-----	<sup>4</sup> 1,586,000	86.2	<sup>4</sup> 254,000	13.8	1,840,000	100.0
1936-37 <sup>5</sup> -----	<sup>4</sup> 1,882,600	85.7	<sup>4</sup> 313,400	14.3	2,196,000	100.0
1937-38-----	<sup>4</sup> 2,050,000	85.4	<sup>4</sup> 350,000	14.6	2,400,000	100.0
1938-39-----	<sup>4</sup> 1,765,000	84.0	<sup>4</sup> 335,000	16.0	2,100,000	100.0
1939-40-----	<sup>4</sup> 1,729,000	82.8	<sup>4</sup> 358,000	17.2	2,087,000	100.0
1940-41-----	<sup>4</sup> 1,911,000	83.8	<sup>4</sup> 369,000	16.2	2,280,000	100.0
1941-42-----	<sup>4</sup> 2,360,000	83.1	<sup>4</sup> 480,000	16.9	2,840,000	100.0
1942-43-----	<sup>4</sup> 3,180,000	84.1	<sup>4</sup> 600,000	15.9	3,780,000	100.0
1943-44-----	<sup>4</sup> 4,430,000	85.9	<sup>4</sup> 730,000	14.1	5,160,000	100.0
1944-45-----	<sup>4</sup> 4,835,000	85.7	<sup>4</sup> 810,000	14.3	5,645,000	100.0
1945-46-----	<sup>4</sup> 5,147,000	84.8	<sup>4</sup> 923,000	15.2	6,070,000	100.0
1946-47-----	<sup>4</sup> 6,005,000	84.4	<sup>4</sup> 1,111,000	15.6	7,116,000	100.0
1947-48-----	<sup>4</sup> 7,195,000	83.3	<sup>4</sup> 1,440,000	16.7	8,635,000	100.0
1948-49-----	<sup>4</sup> 7,700,000	82.6	<sup>4</sup> 1,620,000	17.4	9,320,000	100.0
1949-50-----	<sup>4</sup> 7,082,600	81.2	<sup>4</sup> 1,643,400	18.8	8,726,000	100.0

<sup>1</sup>Includes the value of commodities sold or purchased for patrons and the service charges for associations rendering other essential services either in marketing or purchasing.

<sup>2</sup>Most statistics pertaining to farmers' marketing and purchasing cooperatives are now compiled on the basis of the marketing season which includes the period during which the farm products of a specified year are moved into the channels of trade. Marketing seasons overlap.

<sup>3</sup>Compiled from tables appearing in U. S. Dept. Agr. Bul. 547, 82 pp., illus., 1917. See pp. 14-25; and U. S. Dept. Agr. Tech. Bul. 40, 98 pp., illus., 1928. See pp. 70-75.

<sup>4</sup>Combining the supply business by all associations the estimated totals are: 1935-36 marketing season, \$315,000,000; 1936-37, \$313,400,000; 1937-38, \$440,000,000; 1938-39, \$416,000,000; 1939-40, \$448,200,000; 1940-41, \$450,000,000; 1941-42, \$600,000,000; 1942-43, \$750,000,000; 1943-44, \$1,010,000,000; 1944-45, \$1,095,000,000; 1945-46, \$1,220,000,000; 1946-47, \$1,452,000,000; 1947-48, \$1,822,000,000; 1948-49, \$2,022,440,000; 1949-50, \$2,233,856,000.

<sup>5</sup>Estimates are based on data collected by the Farm Credit Administration in cooperation with the banks for cooperatives and 33 State agricultural colleges for 1936-37.

Table D. - Farmers' marketing and purchasing associations: Number<sup>1</sup> estimated membership,<sup>2</sup> <sup>3</sup> and estimated business<sup>3</sup> <sup>4</sup> by specified groups, geographic divisions, and States, 1948-49 and 1949-50 marketing seasons<sup>5</sup>

Geographic division and State	Cotton and products						Dairy products					
	Associations listed		Estimated membership		Estimated business		Associations listed		Estimated membership		Estimated business	
	1949	1950	1948-49	1949-50	1948-49	1949-50	1949	1950	1948-49	1949-50	1948-49	1949-50
	Number		Number		\$1,000		Number		Number		\$1,000	
UNITED STATES-----	519	532	332,000	354,000	451,000	392,000	2,047	2,008	805,000	806,000	2,145,000	2,032,000
New England-----	-	-	-	-	-	-	38	39	21,120	21,600	112,400	112,500
Maine-----	-	-	-	-	-	-	2	2	900	1,100	2,300	2,300
New Hampshire-----	-	-	-	-	-	-	4	4	600	500	3,200	2,800
Vermont-----	-	-	-	-	-	-	17	17	6,600	6,700	33,000	32,500
Massachusetts-----	-	-	-	-	-	-	9	10	9,700	9,700	55,800	53,200
Rhode Island-----	-	-	-	-	-	-	2	2	1,220	1,400	2,600	3,500
Connecticut-----	-	-	-	-	-	-	4	4	2,200	2,200	15,500	18,200
Middle Atlantic-----	-	-	-	-	-	-	119	120	74,800	75,900	404,600	456,300
New York-----	-	-	-	-	-	-	86	87	48,200	49,300	290,000	339,700
New Jersey-----	-	-	-	-	-	-	2	2	2,500	2,700	22,000	22,600
Pennsylvania-----	-	-	-	-	-	-	31	31	24,100	23,900	92,600	94,000
East North Central--	-	-	-	-	-	-	666	640	231,600	234,800	681,500	607,000
Ohio-----	-	-	-	-	-	-	36	37	34,200	36,700	76,500	80,000
Indiana-----	-	-	-	-	-	-	21	19	25,000	25,800	37,800	35,000
Illinois-----	-	-	-	-	-	-	67	65	44,000	45,000	133,400	116,000
Michigan-----	-	-	-	-	-	-	43	42	45,000	46,400	114,500	110,000
Wisconsin-----	-	-	-	-	-	-	499	477	83,400	80,900	319,300	266,000
West North Central--	1	1	10	10	80	80	994	978	364,400	362,900	565,100	490,400
Minnesota-----	-	-	-	-	-	-	568	557	144,000	139,800	300,300	255,000
Iowa-----	-	-	-	-	-	-	258	255	81,100	83,300	116,300	99,000
Missouri-----	1	1	10	10	80	80	17	19	30,400	29,000	56,800	55,300
North Dakota-----	-	-	-	-	-	-	41	39	18,400	19,000	13,700	10,100
South Dakota-----	-	-	-	-	-	-	52	51	26,000	26,200	18,100	16,000
Nebraska-----	-	-	-	-	-	-	41	40	44,600	44,000	31,900	28,000
Kansas-----	-	-	-	-	-	-	17	17	19,900	21,600	28,000	27,000
South Atlantic-----	8	9	67,330	72,550	67,020	40,620	52	54	7,920	9,140	75,300	75,550
Delaware-----	-	-	-	-	-	-	-	-	-	-	-	-
Maryland-----	-	-	-	-	-	-	8	6	2,800	2,900	18,000	18,000
District of Columbia	-	-	-	-	-	-	1	1	1,600	1,700	24,800	24,700
Virginia-----	-	-	-	-	-	-	14	14	2,200	2,400	13,600	13,400
West Virginia-----	-	-	-	-	-	-	-	1	-	700	-	50
North Carolina-----	1	1	9,400	9,000	6,100	6,000	11	12	600	720	6,700	7,500
South Carolina-----	-	1	-	120	-	(6)	-	-	-	-	-	-
Georgia-----	6	6	57,900	63,400	60,900	34,600	15	17	700	700	8,600	9,200
Florida-----	1	1	30	30	20	20	3	3	20	20	3,600	2,700
East South Central--	79	76	93,300	91,000	205,500	109,300	18	18	8,130	8,710	28,700	32,200
Kentucky-----	-	-	-	-	-	-	3	3	2,230	2,400	10,900	11,400
Tennessee-----	2	2	86,000	86,000	795,400	22,600	9	9	4,600	5,000	14,100	16,000
Alabama-----	7	7	9,300	10,000	71,400	1,500	4	4	80	90	2,100	3,000
Mississippi-----	70	67	24,000	21,000	108,700	85,200	2	2	1,220	1,220	1,600	1,800
West South Central--	400	415	163,460	182,300	152,600	202,200	30	30	23,000	21,900	42,000	37,100
Arkansas-----	37	40	2,400	3,000	18,700	15,400	4	3	1,500	1,520	3,000	3,200
Louisiana-----	3	3	260	300	300	300	5	5	1,300	1,280	6,000	5,500
Oklahoma-----	66	66	56,600	60,500	28,200	32,500	12	12	13,300	13,600	10,200	9,000
Texas-----	294	306	104,200	118,500	105,400	154,000	9	10	6,900	5,500	22,800	19,400
Mountain-----	17	17	2,900	2,820	6,100	6,800	48	49	36,530	35,920	53,100	50,950
Montana-----	-	-	-	-	-	-	8	8	3,270	3,300	3,000	3,000
Idaho-----	-	-	-	-	-	-	13	13	22,000	20,300	26,600	21,000
Wyoming-----	-	-	-	-	-	-	7	5	1,000	860	1,900	1,000
Colorado-----	-	-	-	-	-	-	8	9	4,430	5,000	10,000	11,400
New Mexico-----	17	17	2,900	2,820	6,100	6,800	1	1	480	480	900	900
Arizona-----	-	-	-	-	-	-	1	2	750	880	1,800	4,600
Utah-----	-	-	-	-	-	-	8	9	4,500	5,000	8,400	8,450
Nevada-----	-	-	-	-	-	-	2	2	100	100	500	600
Pacific-----	14	14	5,000	5,320	19,700	33,000	82	80	37,500	35,130	182,300	170,000
Washington-----	-	-	-	-	-	-	21	21	14,200	13,500	47,000	41,000
Oregon-----	-	-	-	-	-	-	34	31	15,400	14,100	40,000	40,000
California-----	14	14	5,000	5,320	19,700	33,000	27	28	7,900	7,530	95,300	89,000

<sup>1</sup>Includes independent local associations, federations, and large-scale centralized associations.

<sup>2</sup>Includes members (those entitled to vote for directors), but does not include nonvoting patrons. (There is duplication in these membership figures because some farmers belong to more than one association.)

<sup>3</sup>Estimated membership and estimated business for each association is credited to the State in which the association has its headquarters.

<sup>4</sup>Includes the value of commodities sold or purchased for patrons and the service charges for associations rendering other essential services either in marketing or purchasing, and where applicable, the value of products under Government loan is included.

<sup>5</sup>Covers operations of associations whose fiscal years ended during the periods July 1, 1948 through June 30, 1949 and July 1, 1949 through June 30, 1950, with limited exceptions.

<sup>6</sup>Less than \$10,000.

<sup>7</sup>Membership and business materially affected by those associations which participate in stabilization and support programs.

<sup>8</sup>The largest part of this membership is in Arkansas, with the remainder in Tennessee and Missouri.



Table D. - Continued

Geographic division and State	Fruits and vegetables						Grain, dry beans, and rice					
	Associations listed		Estimated membership		Estimated business		Associations listed		Estimated membership		Estimated business	
	1949	1950	1948-49	1949-50	1948-49	1949-50	1949	1950	1948-49	1949-50	1948-49	1949-50
	Number	Number	Number	Number	\$1,000	\$1,000	Number	Number	Number	Number	\$1,000	\$1,000
UNITED STATES-----	930	922	173,000	175,000	776,000	784,000	2,192	2,191	740,000	792,000	2,266,000	1,953,000
New England-----	17	16	4,810	5,470	39,520	30,160	-	-	-	-	-	-
Maine-----	7	6	2,700	3,100	25,200	17,000	-	-	-	-	-	-
New Hampshire-----	2	2	40	40	400	500	-	-	-	-	-	-
Vermont-----	1	1	20	20	20	60	-	-	-	-	-	-
Massachusetts-----	4	4	1,860	2,130	13,400	12,300	-	-	-	-	-	-
Rhode Island-----	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut-----	3	3	190	180	500	300	-	-	-	-	-	-
Middle Atlantic-----	47	44	14,760	14,950	43,300	54,200	1	1	50	60	30	30
New York-----	27	20	7,000	5,700	23,700	31,000	-	-	-	-	-	-
New Jersey-----	9	11	4,200	5,430	9,900	9,200	1	1	50	60	30	30
Pennsylvania-----	11	13	3,560	3,820	9,700	14,000	-	-	-	-	-	-
East North Central----	82	70	22,600	21,460	38,870	34,000	438	428	190,700	214,000	496,500	511,970
Ohio-----	19	16	2,600	2,100	11,900	10,100	110	110	39,700	45,000	93,000	105,600
Indiana-----	8	5	800	620	440	300	36	39	34,000	45,000	110,000	100,000
Illinois-----	9	9	700	740	1,830	1,600	248	240	95,000	101,000	248,000	264,000
Michigan-----	39	34	15,400	14,000	18,600	18,000	38	34	19,000	20,000	42,800	40,000
Wisconsin-----	7	6	3,100	4,000	6,100	4,000	6	5	3,000	3,000	2,700	2,370
West North Central----	43	41	6,550	6,940	14,490	14,130	1,382	1,383	439,200	460,400	1,225,500	977,700
Minnesota-----	14	14	1,840	1,700	4,300	4,600	220	223	91,000	97,000	275,000	244,000
Iowa-----	4	4	600	600	610	740	255	249	84,500	87,000	210,000	182,000
Missouri-----	7	6	600	940	640	730	43	43	19,900	21,000	49,000	38,000
North Dakota-----	8	8	500	510	310	600	301	299	72,000	75,000	194,000	140,000
South Dakota-----	1	1	160	230	600	600	150	152	49,300	53,000	103,400	75,000
Nebraska-----	7	6	2,800	2,900	7,800	6,500	203	203	57,000	59,400	135,400	117,400
Kansas-----	2	2	50	60	230	360	210	214	65,500	68,000	258,700	181,300
South Atlantic-----	111	116	16,400	18,330	108,610	129,170	1	1	1,000	1,000	600	600
Delaware-----	1	1	50	50	1,200	1,290	-	-	-	-	-	-
Maryland-----	4	6	400	1,400	530	1,060	1	1	1,000	1,000	600	600
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	-	-
Virginia-----	14	14	2,130	2,100	6,100	3,400	-	-	-	-	-	-
West Virginia-----	3	4	20	50	300	300	-	-	-	-	-	-
North Carolina-----	5	5	300	320	380	320	-	-	-	-	-	-
South Carolina-----	6	4	900	1,400	3,800	2,200	-	-	-	-	-	-
Georgia-----	5	6	1,800	1,810	600	600	-	-	-	-	-	-
Florida-----	73	76	10,800	11,200	95,700	120,000	-	-	-	-	-	-
East South Central----	30	32	8,250	8,650	3,030	2,790	5	5	3,670	3,200	2,670	2,900
Kentucky-----	6	6	3,100	3,050	1,600	1,600	3	3	3,400	3,000	1,950	2,000
Tennessee-----	8	10	3,600	3,800	1,000	800	-	-	-	-	-	-
Alabama-----	11	11	800	900	400	350	-	-	-	-	-	-
Mississippi-----	5	5	750	900	30	40	2	2	270	200	720	900
West South Central----	73	73	9,200	8,910	19,580	17,280	170	173	51,200	54,700	275,000	228,300
Arkansas-----	12	12	1,600	1,640	1,560	1,650	13	13	3,000	3,200	23,700	21,000
Louisiana-----	16	17	2,800	2,750	5,000	5,100	13	13	2,000	1,500	20,000	15,000
Oklahoma-----	7	7	500	300	320	230	77	78	27,400	30,000	124,000	101,300
Texas-----	38	37	4,300	4,220	12,700	10,300	67	69	18,800	20,000	107,300	91,000
Mountain-----	105	109	39,830	39,790	85,300	90,170	114	116	37,680	41,180	116,600	92,500
Montana-----	8	8	3,300	3,030	7,300	6,800	62	62	13,300	14,000	44,100	34,000
Idaho-----	20	20	8,600	9,000	16,600	16,800	20	20	7,600	8,200	24,400	19,000
Wyoming-----	4	4	4,300	4,250	7,400	7,770	4	4	1,340	1,380	3,200	3,000
Colorado-----	32	31	11,200	11,000	39,800	43,300	23	24	12,300	13,900	29,400	23,500
New Mexico-----	1	1	200	250	400	400	2	2	2,440	2,500	2,500	3,000
Arizona-----	7	7	430	360	2,100	2,800	-	-	-	-	-	-
Utah-----	33	38	11,800	11,900	11,700	12,300	3	4	700	1,200	13,000	10,000
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
Pacific-----	422	421	50,600	50,500	423,300	412,100	81	84	16,500	17,460	149,100	139,000
Washington-----	55	55	7,000	6,000	54,800	52,000	37	37	8,400	9,000	58,000	54,000
Oregon-----	29	28	6,000	6,900	33,000	35,000	18	18	4,800	4,760	43,100	32,000
California-----	338	338	37,600	37,600	335,500	325,100	26	29	3,300	3,700	48,000	53,000

Table D. - Continued

Geographic division and State	Livestock						Nuts					
	Associations listed		Estimated membership		Estimated business		Associations listed		Estimated membership		Estimated business	
	1949	1950	1948-49	1949-50	1948-49	1949-50	1949	1950	1948-49	1949-50	1948-49	1949-50
	Number		Number		\$1,000		Number		Number		\$1,000	
UNITED STATES-----	616	580	964,000	939,000	1,297,000	1,291,000	42	43	117,400	118,400	144,000	86,000
New England-----	-	1	-	120	-	130	-	-	-	-	-	-
Maine-----	-	-	-	-	-	-	-	-	-	-	-	-
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	-	-
Vermont-----	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts-----	-	1	-	120	-	130	-	-	-	-	-	-
Rhode Island-----	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut-----	-	-	-	-	-	-	-	-	-	-	-	-
Middle Atlantic-----	6	7	25,400	27,000	40,300	38,700	-	-	-	-	-	-
New York-----	2	2	3,000	3,000	14,100	15,000	-	-	-	-	-	-
New Jersey-----	2	2	1,400	3,000	2,700	2,700	-	-	-	-	-	-
Pennsylvania-----	2	3	21,000	21,000	23,500	21,000	-	-	-	-	-	-
East North Central---	182	173	430,400	480,200	558,500	578,500	-	-	-	-	-	-
Ohio-----	10	9	109,700	116,100	<sup>9</sup> 168,500	<sup>9</sup> 212,000	-	-	-	-	-	-
Indiana-----	10	7	54,200	85,000	97,100	88,000	-	-	-	-	-	-
Illinois-----	37	39	167,000	169,200	225,700	211,000	-	-	-	-	-	-
Michigan-----	9	10	20,000	25,900	24,200	27,500	-	-	-	-	-	-
Wisconsin-----	116	108	79,500	84,000	43,000	40,000	-	-	-	-	-	-
West North Central---	338	314	408,200	322,350	446,000	429,600	-	-	-	-	-	-
Minnesota-----	185	176	208,500	120,600	<sup>9</sup> 131,500	<sup>9</sup> 125,200	-	-	-	-	-	-
Iowa-----	56	51	31,100	31,400	102,300	99,000	-	-	-	-	-	-
Missouri-----	8	8	76,900	77,050	<sup>9</sup> 93,100	<sup>9</sup> 88,700	-	-	-	-	-	-
North Dakota-----	78	68	50,300	45,400	39,200	34,800	-	-	-	-	-	-
South Dakota-----	3	2	7,300	7,300	14,300	13,400	-	-	-	-	-	-
Nebraska-----	5	5	30,700	35,800	60,800	63,000	-	-	-	-	-	-
Kansas-----	3	4	3,400	4,800	4,800	5,500	-	-	-	-	-	-
South Atlantic-----	34	34	16,670	16,900	8,470	7,840	4	3	94,600	94,600	88,800	28,040
Delaware-----	-	-	-	-	-	-	-	-	-	-	-	-
Maryland-----	-	-	-	-	-	-	-	-	-	-	-	-
District of Columbia	-	-	-	-	-	-	-	-	-	-	-	-
Virginia-----	4	5	1,850	3,400	630	800	3	2	4,600	4,600	<sup>7</sup> 21,200	4,240
West Virginia-----	14	13	4,600	4,500	2,100	2,100	-	-	-	-	-	-
North Carolina-----	4	4	1,100	1,000	40	40	-	-	-	-	-	-
South Carolina-----	6	6	6,260	5,100	1,500	1,200	-	-	-	-	-	-
Georgia-----	4	4	2,000	2,100	3,100	2,900	1	1	<sup>7</sup> 90,000	90,000	<sup>7</sup> 67,600	23,800
Florida-----	2	2	860	800	1,100	800	-	-	-	-	-	-
East South Central---	13	11	19,400	25,600	23,100	20,830	-	-	-	-	-	-
Kentucky-----	1	1	9,500	8,200	12,700	11,600	-	-	-	-	-	-
Tennessee-----	3	2	3,000	10,000	4,400	4,000	-	-	-	-	-	-
Alabama-----	5	4	6,500	7,000	5,400	5,030	-	-	-	-	-	-
Mississippi-----	4	4	400	400	600	200	-	-	-	-	-	-
West South Central---	6	5	24,000	26,860	65,030	70,200	7	8	5,900	5,700	19,400	14,400
Arkansas-----	2	1	800	160	30	(6)	-	-	-	-	-	-
Louisiana-----	-	-	-	-	-	-	-	-	-	-	-	-
Oklahoma-----	1	1	19,000	22,500	31,200	24,200	4	5	1,300	1,000	800	600
Texas-----	3	3	4,200	4,200	<sup>9</sup> 33,800	<sup>9</sup> 46,000	3	3	4,600	4,700	18,600	13,800
Mountain-----	25	24	27,630	26,970	104,400	97,400	-	-	-	-	-	-
Montana-----	4	3	8,200	8,100	15,100	17,000	-	-	-	-	-	-
Idaho-----	17	17	6,500	6,100	1,900	1,500	-	-	-	-	-	-
Wyoming-----	-	-	-	-	-	-	-	-	-	-	-	-
Colorado-----	3	3	6,900	6,700	47,900	45,000	-	-	-	-	-	-
New Mexico-----	-	-	-	-	-	-	-	-	-	-	-	-
Arizona-----	(10)	(10)	30	70	600	2,000	-	-	-	-	-	-
Utah-----	1	1	6,000	6,000	<sup>9</sup> 38,900	<sup>9</sup> 31,900	-	-	-	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
Pacific-----	12	11	12,300	13,000	51,200	47,800	31	32	16,900	18,100	35,800	43,560
Washington-----	2	2	1,000	1,200	4,200	5,000	1	1	400	400	150	130
Oregon-----	3	3	2,600	2,600	1,000	800	6	6	2,700	2,700	3,650	2,430
California-----	7	6	8,700	9,200	46,000	42,000	24	25	13,800	15,000	32,000	41,000

<sup>9</sup>Business transacted by branches of terminal markets is credited to the State in which the branch is located.  
<sup>10</sup>Branch.

Table D. - Continued

Geographic division and State	Poultry and products						Tobacco					
	Associations listed		Estimated membership		Estimated business		Associations listed		Estimated membership		Estimated business	
	1949	1950	1948-49	1949-50	1948-49	1949-50	1949	1950	1948-49	1949-50	1948-49	1949-50
	Number		Number		\$1,000		Number		Number		\$1,000	
UNITED STATES-----	134	131	134,500	142,000	304,000	290,600	17	22	473,500	502,700	189,400	115,800
New England-----	12	12	10,700	11,030	20,370	19,940	-	1	-	(11)	-	990
Maine-----	-	-	-	-	-	-	-	-	-	-	-	-
New Hampshire-----	1	1	1,000	800	2,200	2,100	-	-	-	-	-	-
Vermont-----	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts-----	4	4	5,200	5,400	7,620	7,500	-	-	-	-	-	-
Rhode Island-----	1	1	200	230	350	340	-	-	-	-	-	-
Connecticut-----	6	6	4,300	4,600	10,200	10,000	-	1	-	(11)	-	990
Middle Atlantic-----	20	20	18,150	18,300	39,300	40,900	1	1	430	430	90	(12)
New York-----	5	5	750	800	1,600	1,700	-	-	-	-	-	-
New Jersey-----	8	8	7,400	7,500	21,200	22,200	-	-	-	-	-	-
Pennsylvania-----	7	7	10,000	10,000	16,500	17,000	1	1	430	430	90	(12)
East North Central---	15	15	16,370	18,690	21,010	22,100	2	2	3,900	3,700	1,600	2,330
Ohio-----	9	9	14,900	17,100	16,200	16,500	-	-	-	-	-	-
Indiana-----	3	2	420	300	220	200	-	-	-	-	-	-
Illinois-----	1	1	30	40	60	200	-	-	-	-	-	-
Michigan-----	1	1	1,000	1,000	4,500	4,200	-	-	-	-	-	-
Wisconsin-----	1	2	20	250	30	1,000	2	2	3,900	3,700	<sup>13</sup> 1,600	2,330
West North Central---	31	30	10,560	12,150	29,770	29,650	1	1	1,800	1,200	1,210	500
Minnesota-----	8	9	1,830	3,600	4,700	7,400	-	-	-	-	-	-
Iowa-----	6	6	2,700	2,700	5,700	4,300	-	-	-	-	-	-
Missouri-----	10	9	3,900	3,800	17,700	16,200	1	1	1,800	1,200	1,210	500
North Dakota-----	1	-	30	-	50	-	-	-	-	-	-	-
South Dakota-----	1	1	50	50	20	20	-	-	-	-	-	-
Nebraska-----	3	3	650	700	1,400	1,530	-	-	-	-	-	-
Kansas-----	2	2	1,400	1,300	200	200	-	-	-	-	-	-
South Atlantic-----	7	8	9,340	9,810	20,670	15,420	6	8	239,170	236,370	109,600	70,980
Delaware-----	1	1	30	30	50	50	-	-	-	-	-	-
Maryland-----	2	2	1,600	6,400	8,500	2,800	2	2	15,200	11,000	4,200	4,620
District of Columbia	-	-	-	-	-	-	-	-	-	-	-	-
Virginia-----	3	2	7,700	3,200	12,100	12,200	2	2	20,170	20,370	2,900	3,200
West Virginia-----	-	1	-	150	-	10	-	-	-	-	-	-
North Carolina-----	1	-	10	-	20	-	2	3	<sup>14</sup> 203,800	205,000	<sup>13</sup> 102,500	63,100
South Carolina-----	-	-	-	-	-	-	-	-	-	-	-	-
Georgia-----	-	-	-	-	-	-	-	-	-	-	-	-
Florida-----	-	2	-	30	-	360	-	1	-	(11)	-	60
East South Central---	3	3	270	470	1,220	1,710	7	9	228,200	261,000	76,900	41,000
Kentucky-----	1	1	200	200	60	60	5	6	<sup>15</sup> 137,200	169,000	<sup>15</sup> 61,900	28,100
Tennessee-----	-	-	-	-	-	-	2	3	<sup>15</sup> 91,000	92,000	<sup>15</sup> 15,000	12,900
Alabama-----	1	1	(14)	200	960	1,450	-	-	-	-	-	-
Mississippi-----	1	1	70	70	200	200	-	-	-	-	-	-
West South Central---	6	6	2,650	2,380	3,800	3,400	-	-	-	-	-	-
Arkansas-----	1	1	280	280	2,500	2,500	-	-	-	-	-	-
Louisiana-----	-	-	-	-	-	-	-	-	-	-	-	-
Oklahoma-----	-	-	-	-	-	-	-	-	-	-	-	-
Texas-----	5	5	2,370	2,100	1,300	900	-	-	-	-	-	-
Mountain-----	20	19	16,460	15,670	37,460	38,580	-	-	-	-	-	-
Montana-----	1	1	20	20	180	130	-	-	-	-	-	-
Idaho-----	2	2	2,300	2,100	3,200	2,800	-	-	-	-	-	-
Wyoming-----	-	-	-	-	-	-	-	-	-	-	-	-
Colorado-----	9	8	7,000	6,300	1,700	1,500	-	-	-	-	-	-
New Mexico-----	-	-	-	-	-	-	-	-	-	-	-	-
Arizona-----	-	-	-	-	-	-	-	-	-	-	-	-
Utah-----	6	6	7,100	7,230	32,300	34,100	-	-	-	-	-	-
Nevada-----	2	2	40	20	80	50	-	-	-	-	-	-
Pacific-----	20	18	50,000	53,500	130,400	118,900	-	-	-	-	-	-
Washington-----	3	3	32,100	36,000	44,100	42,200	-	-	-	-	-	-
Oregon-----	4	3	3,700	4,500	10,300	8,700	-	-	-	-	-	-
California-----	13	12	14,200	13,000	76,000	68,000	-	-	-	-	-	-

<sup>11</sup>Number of members not reported.<sup>12</sup>Did not handle 1949 tobacco crop.<sup>13</sup>Only one association sold tobacco during 1948-49 season.<sup>14</sup>A federation of 8 local associations engaged in supply purchasing and miscellaneous marketing activities.



Table D. - Continued

Geographic division and State	Wool and mohair						Miscellaneous <sup>15</sup>					
	Associations listed		Estimated membership		Estimated business		Associations listed		Estimated membership		Estimated business	
	1949	1950	1948-49	1949-50	1948-49	1949-50	1949	1950	1948-49	1949-50	1948-49	1949-50
	Number		Number		\$1,000		Number		Number		\$1,000	
UNITED STATES-----	115	107	103,000	98,000	30,000	27,000	381	386	130,600	147,900	97,600	111,200
New England-----	2	3	560	600	4,300	3,500	19	19	5,140	5,840	1,400	1,500
Maine-----	1	1	160	200	(6)	(6)	-	-	-	-	-	-
New Hampshire-----	-	-	-	-	-	-	2	2	120	120	400	400
Vermont-----	-	-	-	-	-	-	11	11	4,000	4,200	900	1,000
Massachusetts-----	1	2	400	400	4,300	3,500	2	2	530	530	20	10
Rhode Island-----	-	-	-	-	-	-	1	1	140	140	20	20
Connecticut-----	-	-	-	-	-	-	3	3	350	850	60	70
Middle Atlantic-----	30	27	5,940	5,700	360	370	20	21	4,400	4,900	2,400	2,450
New York-----	1	1	640	700	100	140	14	14	4,000	4,400	2,300	2,300
New Jersey-----	-	-	-	-	-	-	2	3	200	300	50	90
Pennsylvania-----	29	26	5,300	5,000	260	230	4	4	200	200	50	60
East North Central---	4	4	17,540	18,500	2,780	3,080	89	91	46,300	51,220	11,500	22,100
Ohio-----	1	1	7,200	8,000	1,400	1,440	12	12	3,300	2,600	1,100	800
Indiana-----	-	-	-	-	-	-	5	7	1,000	2,500	200	900
Illinois-----	1	1	1,200	1,300	120	180	53	54	31,800	36,000	3,600	4,200
Michigan-----	1	1	3,500	3,500	640	910	7	7	5,800	6,020	3,300	3,000
Wisconsin-----	1	1	5,640	5,700	620	550	12	11	4,400	4,100	3,300	13,200
West North Central---	12	12	46,240	40,400	9,690	7,700	93	96	31,900	33,280	35,960	28,920
Minnesota-----	1	1	9,600	9,600	1,600	500	25	27	8,100	8,700	4,600	3,900
Iowa-----	3	3	5,900	6,100	400	400	11	11	3,600	3,630	10,000	10,200
Missouri-----	2	2	12,000	8,100	1,500	1,200	37	38	15,500	16,900	17,900	12,800
North Dakota-----	4	5	8,200	6,600	1,050	900	8	8	1,200	1,500	630	800
South Dakota-----	1	1	10,500	10,000	5,140	4,700	3	2	1,500	300	2,600	1,090
Nebraska-----	-	-	-	-	-	-	5	6	1,440	1,700	200	100
Kansas-----	1	-	40	-	(6)	-	4	4	560	550	30	30
South Atlantic-----	17	17	11,500	11,500	1,050	1,150	38	39	9,580	14,590	4,380	17,540
Delaware-----	-	-	-	-	-	-	1	1	900	920	420	500
Maryland-----	1	1	900	900	50	50	5	5	1,000	1,030	1,160	1,100
District of Columbia	-	-	-	-	-	-	-	-	-	-	-	-
Virginia-----	12	12	7,500	7,200	750	800	9	10	4,400	5,300	400	500
West Virginia-----	4	4	3,100	3,400	250	300	3	2	100	80	100	40
North Carolina-----	-	-	-	-	-	-	7	7	500	500	600	600
South Carolina-----	-	-	-	-	-	-	5	4	1,390	1,040	200	100
Georgia-----	-	-	-	-	-	-	6	7	1,200	5,600	200	13,000
Florida-----	-	-	-	-	-	-	2	3	90	120	1,300	1,700
East South Central---	11	8	4,950	3,150	450	360	18	18	5,800	7,620	3,480	2,270
Kentucky-----	4	4	1,800	1,700	300	240	1	1	20	20	20	20
Tennessee-----	6	3	3,000	1,300	130	100	3	4	700	1,300	1,000	900
Alabama-----	-	-	-	-	-	-	6	5	1,680	2,000	1,930	800
Mississippi-----	1	1	150	150	20	20	8	8	3,400	4,300	530	550
West South Central---	8	7	1,360	1,260	880	740	56	53	12,600	16,100	14,180	14,330
Arkansas-----	1	1	60	60	10	(6)	7	6	80	3,800	1,950	1,900
Louisiana-----	4	3	500	400	100	120	13	11	1,200	1,200	10,600	10,700
Oklahoma-----	-	-	-	-	-	-	6	4	2,020	1,700	130	110
Texas-----	3	3	800	800	770	620	30	32	9,300	9,400	1,500	1,620
Mountain-----	27	27	11,510	12,790	8,660	8,400	17	17	8,310	7,490	6,140	5,790
Montana-----	5	5	400	400	220	280	6	6	1,400	1,430	500	600
Idaho-----	10	10	1,200	1,300	1,100	1,100	2	2	890	870	600	700
Wyoming-----	3	3	1,400	1,500	2,600	2,300	1	1	1,500	1,200	1,500	1,100
Colorado-----	3	3	7,800	8,800	2,000	1,700	2	2	3,600	3,200	2,200	2,100
New Mexico-----	2	2	420	500	310	320	2	2	700	600	40	30
Arizona-----	1	1	50	50	300	400	2	2	90	90	660	600
Utah-----	2	2	210	210	1,750	2,000	2	2	130	100	640	660
Nevada-----	1	1	30	30	380	300	-	-	-	-	-	-
Pacific-----	4	2	3,400	4,100	1,830	1,700	31	32	6,570	6,860	18,160	16,300
Washington-----	1	-	40	-	70	-	7	7	670	560	4,060	4,000
Oregon-----	1	1	3,000	3,000	1,720	1,700	13	13	3,560	3,600	2,100	1,700
California-----	2	1	360	1,100	40	(6)	11	12	2,340	2,700	12,000	10,600

<sup>15</sup>Includes associations handling commodities not specified elsewhere, those handling several types of commodities, and those furnishing special marketing or related services.

Table D. - Continued

Geographic division and State	Purchasing						Total					
	Associations listed		Estimated membership		Estimated business		Associations listed		Estimated membership		Estimated business	
	1949	1950	1948-49	1949-50	1948-49 <sup>16</sup>	1949-50 <sup>17</sup>	1949	1950	1948-49	1949-50	1948-49	1949-50
	Number		Number		\$1,000		Number		Number		\$1,000	
UNITED STATES-----	3,082	3,113	2,411,000	2,509,000	1,620,000	1,643,400	10,075	10,035	6,384,000	6,584,000	9,320,000	8,726,000
New England-----	57	56	97,500	99,600	115,900	113,200	145	147	139,830	144,260	293,890	281,920
Maine-----	16	16	5,100	5,000	5,500	5,000	26	25	8,860	9,400	33,000	24,300
New Hampshire-----	2	2	2,700	2,800	11,900	11,700	11	11	4,460	4,260	18,100	17,500
Vermont-----	9	8	3,000	2,500	1,500	1,500	38	37	13,620	13,420	35,420	35,060
Massachusetts-----	15	15	85,000	87,600	91,900	90,000	35	38	102,690	105,880	173,040	166,640
Rhode Island-----	-	-	-	-	-	-	4	4	1,560	1,770	2,970	3,860
Connecticut-----	15	15	1,700	1,700	5,100	5,000	31	32	8,640	9,530	31,360	34,560
Middle Atlantic-----	392	391	186,000	180,000	256,400	253,600	636	632	329,930	327,240	786,780	846,550
New York-----	260	262	112,000	110,000	162,000	159,200	395	391	175,590	173,900	493,800	549,040
New Jersey-----	36	36	17,000	15,000	29,000	28,500	60	63	32,750	33,990	84,880	85,320
Pennsylvania-----	96	93	57,000	55,000	65,400	65,900	181	178	121,590	119,350	208,100	212,190
East North Central---	719	721	693,800	733,000	492,400	484,600	2,197	2,144	1,653,210	1,775,570	2,304,660	2,265,680
Ohio-----	108	111	85,500	92,000	136,700	137,100	305	305	297,100	319,600	505,300	563,540
Indiana-----	83	80	158,000	164,000	132,800	127,000	166	159	273,420	323,220	378,560	351,400
Illinois-----	174	169	222,000	230,000	74,500	78,000	590	578	561,730	583,280	687,210	675,180
Michigan-----	100	104	57,600	62,000	47,000	49,000	238	233	167,300	178,820	255,540	252,610
Wisconsin-----	254	257	170,700	185,000	101,400	93,500	898	869	353,660	370,650	478,050	422,950
West North Central---	1,030	1,026	612,300	640,200	396,400	406,100	3,925	3,882	1,921,160	1,879,830	2,724,200	2,384,780
Minnesota-----	263	264	149,400	154,000	127,200	127,300	1,284	1,271	614,270	535,000	849,200	767,900
Iowa-----	134	136	127,800	133,000	48,000	51,000	727	715	337,300	347,730	493,310	446,640
Missouri-----	156	153	160,000	167,000	127,500	135,800	282	280	321,010	325,000	365,430	349,310
North Dakota-----	134	135	49,500	53,000	25,000	25,200	575	562	200,130	201,010	273,940	212,400
South Dakota-----	88	92	36,500	40,000	16,900	17,900	299	302	131,310	137,080	161,060	128,710
Nebraska-----	160	156	63,500	66,000	31,800	31,500	424	419	200,690	210,500	269,300	248,030
Kansas-----	95	90	25,600	27,200	20,000	17,400	334	333	116,450	123,510	311,960	231,790
South Atlantic-----	199	209	377,800	394,500	135,000	140,700	477	498	851,310	879,290	619,500	527,610
Delaware-----	10	10	7,500	8,000	3,600	3,300	13	13	8,480	9,000	5,270	5,140
Maryland-----	38	39	30,200	32,000	13,500	13,200	61	62	53,100	56,630	46,540	41,430
District of Columbia	-	-	-	-	-	-	1	1	1,600	1,700	24,800	24,700
Virginia-----	67	65	188,000	192,000	71,700	68,100	128	126	238,550	240,570	129,380	106,640
West Virginia-----	21	21	20,800	21,500	4,200	4,300	45	46	28,620	30,380	6,950	7,100
North Carolina-----	14	14	114,000	120,000	33,000	40,000	45	46	329,710	336,540	149,340	117,560
South Carolina-----	5	6	800	1,100	400	600	22	21	9,350	8,760	5,900	4,100
Georgia-----	30	35	15,500	18,200	4,300	6,000	67	76	169,100	181,810	145,300	90,100
Florida-----	14	19	1,000	1,700	4,300	5,200	95	107	12,800	13,900	106,020	130,840
East South Central---	195	210	161,900	171,200	35,600	42,700	379	390	533,870	580,600	380,650	256,060
Kentucky-----	53	56	36,500	36,200	7,600	9,000	77	81	193,950	223,770	197,030	64,020
Tennessee-----	69	76	40,800	38,000	7,600	10,700	102	109	206,700	211,400	138,630	68,000
Alabama-----	36	34	48,600	48,000	11,900	13,000	70	66	66,960	68,190	24,090	25,130
Mississippi-----	37	44	36,000	49,000	8,500	10,000	130	134	66,260	77,240	120,900	98,910
West South Central---	164	161	72,400	72,000	38,800	49,100	920	931	365,770	392,110	631,270	637,050
Arkansas-----	39	37	11,500	12,500	10,100	12,900	116	114	21,220	26,160	61,550	58,550
Louisiana-----	5	5	1,400	1,200	2,500	2,500	59	57	9,460	8,630	44,500	39,220
Oklahoma-----	24	28	36,500	36,000	3,400	3,700	197	201	156,620	165,600	198,250	171,640
Texas-----	96	91	23,000	22,300	22,800	30,000	548	559	178,470	191,720	326,970	367,640
Mountain-----	191	191	109,600	109,500	37,900	36,900	564	569	290,450	292,130	455,660	427,490
Montana-----	87	87	21,800	23,200	10,100	10,200	181	180	51,690	53,480	80,500	72,010
Idaho-----	38	40	22,000	21,000	8,100	8,530	122	124	71,090	68,870	82,500	71,430
Wyoming-----	7	7	3,300	3,100	1,100	1,000	26	24	12,840	12,290	17,700	16,170
Colorado-----	35	33	15,200	16,000	9,200	9,250	115	113	68,430	70,900	142,200	137,750
New Mexico-----	6	5	2,200	1,400	2,600	1,000	31	30	9,340	8,550	12,850	12,450
Arizona-----	2	2	42,000	41,400	4,100	4,300	13	14	43,350	42,850	9,560	14,700
Utah-----	14	15	2,500	2,800	2,600	2,500	69	77	32,940	34,440	109,290	101,910
Nevada-----	2	2	600	600	100	120	7	7	770	750	1,060	1,070
Pacific-----	135	148	99,700	109,000	111,600	116,500	832	842	298,470	312,970	1,123,390	1,098,860
Washington-----	69	76	39,600	38,500	44,300	47,500	196	202	103,410	105,160	256,680	245,830
Oregon-----	44	45	42,600	46,500	20,500	20,400	152	148	84,360	88,660	155,370	142,730
California-----	22	27	17,500	24,000	46,800	48,600	484	492	110,700	119,150	711,340	710,300

<sup>16</sup>After combining the marketing business of all associations and the purchasing business of all associations, the estimated total for marketing was \$7,297,580,000, or 76.3 percent, and for purchasing \$2,022,440,000 or 21.7 percent.

<sup>17</sup>After combining the marketing business of all associations and the purchasing business of all associations, the estimated total for marketing was \$8,492,144,000, or 74.4 percent, and for purchasing \$2,233,856,000, or 25.8 percent.

<sup>18</sup>Decrease due to elimination of inter-company sales.



Table E. - *Farmers' mutual fire insurance companies: Number of companies, insurance in force, and costs, 1914-50*<sup>1 2</sup>

Year	Companies <sup>3</sup>	Amount of insurance in force Dec. 31	Cost per \$100 of insurance		
			Losses	Expenses	Total
	<i>Number</i>	<i>\$1,000</i>	<i>Cents</i>		
1914-----	1,947	5,264,119	20.4	6.0	26.4
1915-----	1,879	5,366,760	17.5	6.0	23.5
1916-----	1,883	5,635,968	19.6	5.9	25.5
1917-----	1,829	5,876,853	18.2	6.4	24.6
1918-----	1,866	6,391,522	18.8	6.3	25.1
1919-----	1,922	6,937,523	17.3	7.8	25.1
1920-----	1,944	7,865,988	17.4	8.4	25.8
1921-----	1,951	8,409,683	19.4	7.8	27.2
1922-----	1,918	8,769,948	20.9	5.8	26.7
1923-----	1,907	9,057,938	19.8	6.6	26.4
1924-----	1,929	9,487,029	20.4	6.5	26.9
1925-----	1,839	9,477,139	21.1	6.7	27.8
1926-----	1,911	9,988,580	19.4	6.9	26.3
1927-----	1,889	10,345,463	19.0	6.3	25.3
1928-----	1,884	10,781,212	20.5	6.6	27.1
1929-----	1,876	11,118,510	21.8	6.6	28.4
1930-----	1,886	11,382,104	24.8	6.8	31.6
1931-----	1,863	11,292,339	24.1	6.9	31.0
1932-----	1,847	10,974,082	24.9	7.1	32.0
1933-----	1,826	10,466,384	21.2	7.3	28.5
1934-----	1,852	10,571,508	19.7	7.2	26.9
1935-----	1,941	11,083,300	15.7	7.5	23.2
1936-----	1,936	11,339,510	20.7	7.4	28.1
1937-----	1,924	11,569,476	16.5	7.6	24.1
1938-----	1,914	11,868,569	18.0	8.0	26.0
1939-----	1,904	12,143,881	18.4	8.2	26.6
1940-----	1,898	12,294,287	17.1	8.1	25.2
1941-----	1,885	12,518,913	16.2	8.4	24.6
1942-----	1,877	12,982,390	14.6	8.1	22.7
1943-----	1,878	13,777,555	16.2	7.7	23.9
1944-----	1,847	14,221,012	15.9	7.8	23.7
1945-----	1,841	15,170,456	15.6	8.0	23.6
1946-----	1,833	16,941,434	15.8	8.8	24.6
1947-----	1,803	19,263,745	15.8	8.5	24.3
1948-----	1,806	20,769,410	16.4	8.7	25.1
1949-----	1,808	22,488,417	14.0	8.3	22.3
1950 <sup>4</sup> -----	1,776	24,310,383	14.7	8.4	23.1

<sup>1</sup>Data supplied by the Bureau of Agricultural Economics for period 1914-33 and from 1942. Data for years 1934-41 supplied by Insurance Section, Cooperative Research and Service Division, FCA.

<sup>2</sup>1914-33 includes companies with more than 65 percent of their insurance on farm property; later years those with more than 50 percent. In recent years between 86 and 88 percent of total insurance has been on farm property.

<sup>3</sup>Number of companies for which data were obtained; perhaps not entirely complete for any year.

<sup>4</sup>Preliminary. Data for some companies not available at time of publication.



Table F. - *Farmers' Cooperatives: Types, number, and membership*

Type	Year or date of data	Associations	Estimated members or participants
<b>Production:</b>			
Mutual irrigation companies <sup>1</sup> -----	1950	9,374	148,496
Dairy herd improvement associations <sup>2</sup>	Jan. 1, 1952	2,109	40,105
Dairy-cattle artificial breeding associations <sup>2</sup> -----	Jan. 1, 1952	1,648	543,397
Grazing associations <sup>3</sup> -----	June 30, 1951	30	1,311
Indian enterprises <sup>4</sup> -----	Dec. 31, 1950	<sup>5</sup> 219	12,520
<b>Marketing and purchasing:</b>			
Marketing <sup>6</sup> -----	1950-51	<sup>7</sup> 6,507	4,117,408
Purchasing <sup>6</sup> -----	1950-51	<sup>8</sup> 3,208	2,842,878
Miscellaneous services <sup>6</sup> <sup>9</sup> -----	1950-51	<sup>10</sup> 262	94,282
<b>Service:</b>			
National farm loan associations <sup>6</sup> ----	Jan. 1, 1953	1,164	312,000
Production credit associations <sup>6</sup> -----	Jan. 1, 1953	499	477,000
Banks for cooperatives <sup>6</sup> -----	Jan. 1, 1953	13	<sup>11</sup> 3,168,000
Rural credit unions <sup>12</sup> -----	Jan. 1, 1951	530	230,450
Farmers' mutual fire insurance companies <sup>13</sup> -----	1950	1,800	3,500,000
Mutual telephone companies <sup>14</sup> -----	1937	32,879	669,344
Rural Electric Cooperatives <sup>15</sup> -----	June 30, 1952	932	3,588,506
Rural health cooperatives <sup>16</sup> -----	1950	51	<sup>17</sup> 18,000

<sup>1</sup>Seventeenth Census of the United States, 1950. Estimated membership from Sixteenth Census of the United States, 1940.

<sup>2</sup>Bureau of Dairy Industry, Department of Agriculture.

<sup>3</sup>Grazing Service, Department of Interior.

<sup>4</sup>Office of Indian Affairs, Department of Interior.

<sup>5</sup>There are 295 other Indian Corporate and Tribal Enterprises.

<sup>6</sup>Farm Credit Administration, Department of Agriculture.

<sup>7</sup>When associations marketing farm products but principally engaged in providing some other services are included, the total is 7,276.

<sup>8</sup>When associations purchasing farm supplies but principally engaged in providing some other services are included, the total is 7,335.

<sup>9</sup>Includes general trucking, storage, grinding, cotton ginning, and livestock trucking.

<sup>10</sup>When associations providing miscellaneous services but principally engaged in marketing or purchasing are included, the total is 4,144.

<sup>11</sup>Estimated members of associations borrowing from banks for cooperatives.

<sup>12</sup>Bureau of Labor Statistics, Department of Labor.

<sup>13</sup>Farm Credit Administration estimates.

<sup>14</sup>Census of Electrical Industries, 1937, Bureau of the Census. Number of associations includes 2,067 companies with switchboards and 30,812 without switchboards. Number of participants estimated from number of telephones, assuming 1 patron per telephone.

<sup>15</sup>Rural Electrification Administration, Department of Agriculture.

<sup>16</sup>Public Health Service, Federal Security Agency.

<sup>17</sup>Membership reports for only 27 associations were available.







