

AGRICULTURE—WISCONSIN

STATE TABLE 1.—FARMS AND FARM PROPERTY: 1930, 1925, 1920, 1910, AND 1900

[Figures not exactly comparable because of different dates of enumeration]

ITEM (See definitions in Introduction)	1930 (April 1)	1925 (January 1)	1920 (January 1)	1910 (April 15)	1900 (June 1)
Farms, total.....	181,767	193,155	189,295	177,127	160,705
Operated by—					
Owners.....	146,987	162,052	159,610	151,022	145,408
Full owners.....	132,778	150,577	149,390	140,528	137,675
Part owners.....	14,209	11,475	10,220	10,494	7,733
Managers.....	1,659	1,167	2,427	1,451	1,301
Tenants.....	33,121	29,936	27,258	24,054	22,096
Cash tenants.....	13,763	10,808	111,420	110,629	110,249
Other tenants.....	19,358	19,068	15,838	14,025	12,747
Approximate land area of State.....	35,363,840	35,363,840	35,363,840	35,363,840	35,363,840
Land in farms, total.....	21,874,155	21,850,853	22,148,223	21,060,660	19,802,727
In farms operated by—					
Owners.....	16,826,598	17,562,429	17,840,997	17,369,156	16,014,181
Full owners.....	14,596,843	15,864,876	16,330,059	(?)	15,410,220
Part owners.....	2,229,755	1,697,553	1,510,938	(?)	1,194,045
Managers.....	365,953	278,589	531,854	355,133	331,343
Tenants.....	4,681,604	4,009,835	3,775,372	3,335,777	2,917,203
Cash tenants.....	1,697,771	1,240,228	1,389,171	(?)	1,163,217
Other tenants.....	2,983,833	2,769,607	2,386,201	(?)	1,753,986
Value of specified farm property:					
Land and buildings.....	1,731,517,017	1,898,760,200	2,187,881,973	1,201,632,723	986,147,000
Land, excluding buildings.....	985,585,246	1,209,877,572	1,618,913,059	911,938,261	530,642,000
Buildings.....	745,931,771	688,888,628	568,968,914	289,694,462	155,001,070
Implements and machinery.....	170,278,658	146,882,620	167,088,909	52,956,579	20,237,010
Specified kinds of livestock:					
Horses.....	545,536	604,270	683,264	614,654	655,760
Mules.....	7,334	6,390	4,284	2,872	4,489
Cattle.....	3,536,603	3,010,493	3,050,829	2,680,074	2,314,103
Milk cows.....	1,814,995	1,951,527	1,795,122	1,218,461	908,307
Swine.....	1,611,962	1,363,135	1,590,419	1,809,331	2,014,631
Chickens ¹	13,139,533	13,022,650	11,495,057	8,142,719	8,007,309

¹ Includes renters paying a fixed quantity of products ("standing renters" prior to 1925).
² Figures not available.

³ Over 3 months old, 1930, 1910, and 1900.
⁴ Includes guinea fowls.

STATE TABLE 2.—SPECIFIED CROPS AND VEGETABLES HARVESTED FOR SALE; AND CHICKEN EGGS AND CHICKENS: 1929, 1924, 1919, 1909, AND 1899

ITEM (See definitions in Introduction)	1929	1924	1919	1909	1899
Specified crops:					
Corn harvested for grain.....	716,068	579,190	1,150,783	1,457,652	1,407,474
Wheat threshed.....	26,019,264	14,523,854	44,547,398	49,163,034	59,309,810
Oats threshed for grain.....	94,887	115,438	7,528,745	1,409,369	1,550,614
Barley threshed.....	1,835,704	2,754,786	7,328,444	2,641,476	9,005,170
Rye threshed.....	2,144,734	2,460,425	2,251,019	2,164,570	2,365,116
Hay.....	68,694,065	87,378,340	68,296,223	71,349,038	84,040,800
Sugar beets, for sugar.....	649,707	357,404	498,292	816,449	1,557,747
Tobacco.....	18,646,647	11,567,470	12,191,861	22,156,041	18,009,000
Potatoes (Irish or white).....	187,799	332,591	520,063	339,213	362,103
Hay.....	2,144,707	4,552,690	6,672,383	4,797,775	5,142,006
Sugar beets, for sugar.....	3,694,889	3,516,320	3,282,088	2,957,738	2,332,121
Tobacco.....	6,226,633	5,263,955	5,043,708	4,423,385	3,006,824
Potatoes (Irish or white).....	6,406	17,893	12,737	12,308	34
Tobacco.....	52,462	116,444	136,203	126,646	1,233
Potatoes (Irish or white).....	36,602	35,027	41,465	40,458	30,830
Potatoes (Irish or white).....	43,289,644	32,522,305	52,454,246	46,909,182	45,600,480
Potatoes (Irish or white).....	215,154	233,200	294,424	290,185	280,631
Potatoes (Irish or white).....	20,589,825	26,434,447	26,376,021	31,968,195	24,641,408
Specified vegetables harvested for sale: ¹					
Beans (snap or string) ²	4,035	(?)	2,548	497	35
Beets.....	469,656	(?)	185,161	16,067	(?)
Cabbages.....	1,042	(?)	426	58	639
Cantaloupes and muskmelons.....	79,379	(?)	36,528	2,422	(?)
Celery.....	17,142	13,930	11,955	10,506	4,400
Corn, sweet.....	1,670,274	(?)	1,478,781	686,296	(?)
Cucumbers.....	743	519	334	187	1,487
Onions (dry).....	120,505	(?)	67,188	25,691	(?)
Peas (green).....	237	(?)	183	137	238
Tomatoes.....	83,071	(?)	61,818	36,570	(?)
Cucumbers.....	10,396	8,183	6,777	3,789	3,257
Onions (dry).....	386,704	(?)	288,468	83,502	(?)
Peas (green).....	5,041	(?)	4,631	1,663	900
Tomatoes.....	487,547	(?)	588,543	82,735	(?)
Cucumbers.....	1,761	1,422	1,487	650	1,239
Onions (dry).....	338,785	(?)	383,843	95,595	154,310
Peas (green).....	96,282	(?)	36,742	11,182	2,214
Tomatoes.....	3,676,672	(?)	1,860,395	321,324	(?)
Cucumbers.....	1,057	772	1,207	363	1,260
Onions (dry).....	214,915	(?)	224,422	42,300	(?)
Chicken eggs and chickens:					
Eggs produced ³	89,500,076	60,584,037	53,222,114	50,269,446	740,240,680
Eggs sold.....	64,143,811	(?)	33,078,423	32,268,836	(?)
Chickens raised ⁴	19,959,817	14,193,839	11,839,909	10,431,235	(?)
Chickens sold.....	8,305,425	(?)	4,006,743	3,859,884	(?)

¹ Tons sold.
² The data for 1909 are not comparable with other years: they include figures only for farms reporting 1 acre or more of vegetables raised for sale or for home use.
³ Including green Lima beans prior to 1929.
⁴ Not reported.

⁵ Muskmelons.
⁶ Including estimates for incomplete reports.
⁷ Poultry eggs.
⁸ Poultry of all kinds.

STATE TABLE 3.—TENANCY, VALUE OF FARM PROPERTY, FARM MORTGAGE DEBT, AND SPECIFIED KINDS OF LIVESTOCK: 1930, 1925, 1920, 1910, AND 1900

ITEM (See definitions in Introduction)	1930 (April 1)	1925 (January 1)	1920 (January 1)	1910 (April 15)	1900 (June 1)
Tenancy:					
All farms.....number.....	181,767	193,155	189,295	177,127	169,795
Proportion of all farms operated by tenants.....per cent.....	18.2	15.5	14.4	13.9	13.5
Value of farm property:					
Land and buildings.....dollars.....	2,209,600,817	2,272,402,472	2,677,282,997	1,413,118,785	811,712,319
Implements and machinery.....dollars.....	1,731,517,017	1,898,766,200	2,187,881,973	1,201,632,723	686,147,660
Domestic animals, chickens, and bees ¹.....dollars.....	170,278,658	146,882,620	167,088,909	52,956,579	29,237,010
	307,805,142	226,763,652	322,312,115	153,529,483	96,327,649
Farm mortgage debt:					
All farms operated by owners.....number.....	146,937	162,052	159,610	151,022	² 145,996
Free from mortgage debt.....number.....	55,509	(³)	57,773	72,941	77,490
Mortgaged.....number.....	80,680	90,619	94,258	77,129	65,589
Proportion of farms mortgaged.....per cent.....	59.0	55.9	59.1	51.1	44.9
No mortgage report.....number.....	4,798	(³)	7,579	952	2,917
Farms operated by full owners.....number.....	132,778	150,577	149,390	140,528	(³)
Mortgaged (amount of debt reported).....number.....	77,180	83,341	87,081	69,398	(³)
Value of land and buildings.....dollars.....	8,670,126	9,020,776	(³)	(³)	(³)
Amount of mortgage debt.....dollars.....	707,682,169	795,251,646	937,385,358	427,522,421	(³)
Ratio of debt to value.....per cent.....	355,029,993	389,365,563	354,574,391	146,815,313	(³)
	50.17	48.96	37.83	34.34	(³)
Average per mortgaged farm—					
Value of land and buildings.....dollars.....	9,189	9,542	10,765	6,160	(³)
Amount of mortgage debt.....dollars.....	4,600	4,072	4,072	2,116	(³)
Specified kinds of livestock:					
Sheep and lambs.....number.....	584,608	309,758	479,991	929,783	1,675,453
Goats and kids.....number.....	5,746	2,893	2,484	4,876	3,582
Asses and burros.....number.....	117	(³)	94	186	428
Bees (hives).....number.....	87,007	(³)	107,646	95,638	106,090

¹ "All livestock," prior to 1930.

² Farm homes occupied by their owners.

³ Not reported.

STATE TABLE 4.—COOPERATIVE MARKETING; AND SPECIFIED FARM EXPENDITURES, CROPS, AND LIVESTOCK PRODUCTS; 1929, 1924, 1919, 1909, AND 1899

ITEM (See definitions in Introduction)	1929	1924	1919	1909	1899
Cooperative marketing:					
Value of farm products sold.....dollars.....	42,544,056	27,484,199	28,884,215	(¹)	(¹)
Value of farm supplies purchased.....dollars.....	5,194,350	3,738,483	3,562,996	(¹)	(¹)
Specified farm expenditures:					
Feed (hay, grain, mill feed, etc., "not raised on this farm").....dollars.....	31,086,790	27,002,160	27,919,456	5,672,916	(¹)
Fertilizer (including commercial fertilizer, manure, marl, lime, and ground limestone).....dollars.....	2,133,377	1,137,288	779,750	127,763	294,320
Farm labor, exclusive of housework (cash).....dollars.....	29,481,697	26,836,011	34,581,714	14,087,638	² 10,468,610
Specified crops:					
Buckwheat threshed.....acres.....	19,338	22,389	34,082	26,298	39,713
Emmer and spelt threshed.....bushels.....	223,946	281,008	473,123	302,829	489,895
Hemp.....acres.....	7,176	(¹)	2,290	6,090	(¹)
.....bushels.....	209,527	(¹)	50,495	166,301	(¹)
.....acres.....	1,218	(¹)	3,314	7	(¹)
.....pounds.....	820,414	(¹)	2,938,124	6,510	(¹)
Apples.....trees not of bearing age.....number.....	478,241	702,458	825,258	1,408,726	(¹)
.....trees of bearing age.....number.....	1,059,998	2,204,326	2,321,800	2,430,232	2,557,265
.....bushels harvested.....	1,906,867	1,148,075	1,305,984	2,232,112	303,373
Cherries.....trees not of bearing age.....number.....	264,595	(¹)	84,215	148,775	(¹)
.....trees of bearing age.....number.....	454,793	(¹)	437,480	290,495	273,740
.....bushels harvested.....	164,187	(¹)	160,592	81,340	31,067
Grapes.....vines not of bearing age.....number.....	28,130	220,635	27,173	63,098	(¹)
.....vines of bearing age.....number.....	136,651	(¹)	143,529	148,348	204,766
.....pounds harvested.....	676,763	(¹)	648,893	701,329	571,459
Blackberries and dewberries.....acres.....	165	(¹)	432	407	411
.....quarts.....	72,226	(¹)	334,990	498,119	644,880
Cranberries.....acres.....	1,150	(¹)	1,805	1,689	5,821
.....quarts.....	2,736,391	(¹)	3,424,709	2,549,344	3,555,136
Raspberries.....acres.....	1,744	(¹)	1,619	³ 964	³ 1,616
.....quarts.....	1,159,363	(¹)	1,084,813	³ 1,053,889	³ 2,314,920
Strawberries.....acres.....	3,852	3,422	3,652	2,863	3,508
.....quarts.....	4,473,404	(¹)	5,203,127	5,188,117	7,343,740
Specified livestock products:					
Dairy products—					
Milk produced ⁴.....gallons.....	1,241,337,856	1,058,750,721	858,258,521	667,497,765	472,274,264
Whole milk sold.....gallons.....	843,427,294	353,648,608	473,816,832	297,251,969	252,450,051
Butter churned on farms.....pounds.....	3,012,983	7,172,280	8,606,037	27,200,509	44,739,147
Butter sold.....pounds.....	924,597	(¹)	2,933,300	16,737,895	26,931,757
Cream sold as butterfat.....pounds.....	99,492,205	199,437,762	82,727,323	48,243,040	(¹)
Cream sold not as butterfat.....gallons.....	559,352	2,165,626	4,002,583	7,142,970	1,638,601
Wool—					
Sheep and lambs shorn ⁵.....number.....	361,909	276,663	430,869	⁶ 644,363	⁶ 1,005,006
Wool shorn ⁴ (unwashed).....pounds.....	2,716,113	2,043,670	3,191,940	4,688,477	7,224,733
Mohair—					
Angora goats and kids clipped.....number.....	1,229	465	820	⁶ 1,104	⁶ 183
Mohair and kid hair clipped (unwashed).....pounds.....	4,194	1,547	2,795	4,133	514
Honey produced.....pounds.....	5,089,897	(¹)	2,676,683	2,153,819	2,677,100

¹ Not reported.

² Includes value of board.

³ Includes loganberries.

⁴ Including estimates for incomplete reports.

⁵ Fleeces.

AGRICULTURE—WISCONSIN

HARVESTED, 1929 AND 1924, BY COLOR AND BY TENURE OF FARM OPERATOR—Continued

Table with 17 columns (Lafayette, Langlade, Lincoln, Manitowoc, Marathon, Marinette, Marquette, Milwaukee, Monroe, Oconto, Oneida, Outagamie, Ozaukee, Pepin, Pierce) and multiple rows of numerical data.

AGRICULTURE—WISCONSIN

HARVESTED, 1929 AND 1924, BY COLOR AND BY TENURE OF FARM OPERATOR—Continued

Table with 15 columns (Sawyer, Shawano, Sheboygan, Taylor, Trempealeau, Vernon, Vilas, Walworth, Washburn, Washington, Waukesha, Waupaca, Waushara, Winnebago, Wood) and multiple rows of numerical data representing agricultural statistics.

AGRICULTURE—WISCONSIN

AND CROP LAND HARVESTED, 1929 AND 1924, BY SIZE OF FARM—Continued

Table with 15 columns representing counties: Sawyer, Shawano, Sheboygan, Taylor, Trempealeau, Vernon, Vilas, Walworth, Washburn, Washington, Waukesha, Waupaca, Waushara, Winnebago, and Wood. Each column contains numerical data for two years (1929 and 1924) across various farm size categories.

AGRICULTURE—WISCONSIN

COUNTY TABLE III.—VALUE OF FARM LAND AND BUILDINGS, AND IMPLEMENTS AND

Table with columns for ITEM (See definitions in Introduction), Manitowoc, Marathon, Marinette, Marquette, Milwaukee, Monroe, Rusk, St. Croix, Sauk, Sawyer, Shawano, Sheboygan. Rows include Value of land and buildings, total; Land (excluding buildings); Buildings (including dwellings); Farmers' dwellings; Average values; Value of implements and machinery; Value, by color of farm operator; Values, by tenure of farm operator.

"White" includes Mexicans and "Colored" includes Negroes, Indians, Chinese, Japanese, and all other nonwhite races.

AGRICULTURE—WISCONSIN

MACHINERY, 1930, 1925, AND 1920, BY COLOR AND BY TENURE OF FARM OPERATOR—Continued

Table with multiple columns for county names (Oconto, Oneida, Outagamie, Ozaukee, Pepin, Pierce, Polk, Portage, Price, Racine, Richland, Rock, Taylor, Trempealeau, Vernon, Vilas, Walworth, Washburn, Washington, Waukesha, Waupaca, Waushara, Winnebago, Wood) and rows of numerical data representing machinery values, with a column for an index or count on the right side.

COUNTY TABLE IV.—HORSES, MULES, CATTLE, AND SWINE ON FARMS, 1930, 1925, AND

[Other classes of livestock and livestock

Table with columns: ITEM (See definitions in Introduction), Polk, Portage, Price, Racine, Richland, Rock, Rusk, St. Croix. Rows include Domestic Animals: Horses on farms, Mules on farms, Cattle on farms, Swine on farms, Chickens and Chicken Eggs.

1 Including estimates for incomplete reports.

POTATOES, 1929, 1924, AND 1919, WITH PRODUCTION AND NUMBER OF FARMS REPORTING, 1929 in Tables VI, VII, and VIII

Table with 15 columns representing counties (Calumet, Chippewa, Clark, Columbia, Crawford, Dane, Dodge, Door, Douglas, Dunn, Eau Claire, Florence, Fond du Lac, Forest, Grant) and rows representing years (1929, 1924, 1919) with production and number of farms reporting.

COUNTY TABLE V.—ACREAGE OF GRAIN AND FORAGE CROPS, HAY CROPS, SUGAR BEETS, TOBACCO, AND [Additional crops are shown

Table with columns: ITEM (See definitions in Introduction), Polk, Portage, Price, Racine, Richland, Rock, Rusk, St. Croix, Sauk. Rows include Grain and forage crops (Corn, Wheat, Oats, Barley, Rye, Hay crops, Timothy, Clover, Alfalfa, etc.), and Other field crops (Sugar beets, Tobacco, Potatoes).

1 Not exactly comparable, see text, p. 5.

2 See text, "Hay," p. 5.

3 Less than 1 acre.

POTATOES, 1929, 1924, AND 1919, WITH PRODUCTION AND NUMBER OF FARMS REPORTING, 1929—Continued in Tables VI, VII, and VIII

Table with 15 columns representing counties: Sawyer, Shawano, Sheboygan, Taylor, Trempealeau, Vernon, Vilas, Waiworth, Washburn, Washington, Waukesha, Waupaca, Waushara, Winnebago, Wood. Rows list production and number of farms for various years, including 1929, 1924, and 1919.

AND NUMBER OF FARMS REPORTING, 1929; AND ACREAGE, 1919—Continued

Additional crops are shown in Tables V, VII, and VIII

Lafayette	Langlade	Lincoln	Manitowoc	Marathon	Marinette	Marquette	Milwaukee	Monroe	Oconto	Oneida	Outagamie	Ozaukee	Pepin	Pierce	
220 7,452 31	131 8,715 22	180 10,842 48	2,198 95,614 263	3,438 157,735 403	807 56,052 1,538	142 24,850 81	3,975 686,119 3,312	670 27,376 409	1,747 96,410 2,099	58 7,036 120	6,417 634,959 3,052	3,875 187,511 2,144	331 14,857 70	521 37,990 362	1 2 3
	(¹) 55 2		1 217 6	1 116 2	1 180 4	2 552 8	18 5,500 26	1 283 6	2 59 4		7 681 22	2 85 1		1 150 1	4 5 6
55 4,657 38 2	26 2,234 33 1	2 115 8 1	346 29,682 229 8	67 4,221 89	145 17,876 220 4	18 603 10	112 21,828 209 134	31 2,159 87 1	201 32,713 388 45	1 106 10	425 43,495 420 116	65 7,525 106 260	1 50 1	203 203 5	7 8 9 10 11
			15 890 20	1 105 4	8 716 7		48 4,199 34	(¹) 23 1	56 4,089 63		88 8,338 74	238 17,380 109		1 55 2	14 15 16
1 112 3 7	4 729 16 5	2 1,032 23 16	25 3,434 51 48	18 2,635 83 11	36 3,284 58 32	1 890 5 10	1,126 122,951 582 998 69	6 1,009 18 196 13	42 2,962 41 8	11 1,000 30 5	4,771 511,612 1,378 2,314 15	118 13,082 82 17 8	2 147 6 50 1	448 31,809 153 334 1	17 19 20 21 22 23
			68 3 1 1	450 2 1 1	175 1 3 4	3,449 1 1	13,894 101 62 39	829 8 3 1	(¹) 50 6 2		1,995 11 7 6	702 14 10 10	150 1 1 1	213 5 1 1	24 25 26 27 28
	3 547 7	5 711 7	172 24 4	598 24	376 13		7,097 41 52 30	87 8	163 2	232 7 1	1,218 20 4	1,950 13		125 2	29 30 31 32 33
			1 300 1	(¹) 20 2	1 340 8		108 46,623 84	(¹) 20 1		4 908 19	4 750 5	(¹) 35 1		1 1	34 35 36 37
3 118 5 3	10 1,046 10 2	12 866 9 11	9 840 81 7	18 967 28 2	234 6,041 101 14	12 850 9 2	197 12,712 159 234	34 823 27 1	338 8,601 103 184	12 1,167 19 4	40 2,552 73 38	46 2,567 35 20	1 35 2	5 327 16 2	38 39 40 41 42
(¹) 15 2 4	1 287 5 1	(¹) 1,550 41 7	1,142 40 4	6,788 162 52	9,720 234 231	4,918 72 67	45,950 378 357 71	6,144 129 169	34,599 566 246	403 21 1	11,993 184 70 7	10,910 116 56 6	939 19 18	2,180 37 14	43 44 45 46 47
	(¹) 35 1	(¹) 27 3	128 6 1	60 8	41 3		29,593 128 40	175 8	201 10	766 27	1,030 13			6 918 28 6	48 49 50 51 52 53 54 55 56 57 58
(¹) 72 3 7	15 446 11 3	2 336 10 6	4 835 17 6	6 922 33 6	8 1,469 26 8 2	1 286 8 2	56,467 328 383 20 4,943 19	1,289 13 15	266 12 7	277 9 1 1	3,113 49 17 4	4,271 42 4	85 5	6 28 6	59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90
			1 65 1	4 450 2	8 140 5		366 24,008 132 41 10 948 12 49 163	399 8,295 53	541 6,154 23	3 299 14 3	818 27,852 166 106	3,147 110,212 432 1,737 10 600 1	297 11,545 21	15 560 3	59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90
			(¹) 21 2	1 105 3	1 140 5		252 56,467 328 383 20 4,943 19	4 1,289 13 15	3 266 12 7	1 277 9 1 1	16 3,113 49 17 4	4 4,271 42 4	1 85 5	6 28 6	59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90
			1 977 27 11	5 555 27 11	4 573 26 3	1 10,013 3	284 76,705 405 491	915 16 2	4 246 11 5	3 309 9	10 1,580 49 312 1 50 1	26 4,486 86 3		2 235 12 1	81 82 83 84 85 86 87 88 89 90
			1 50 1	5 699 9 4	9 743 16 1	3 153 2	609 110,782 237 202	32 3,745 7 10	5 310 7 2	12 1,381 7 103	11 1,474 8 3	77 7,711 22		2 319 4 1	91 92 93 94
4 125	5 397	1 52	1 127	12 755	6 520 22	3 1,045	163 34,993 21	13 484	9 784	5 1,320 1	3 615	6 837		6 621	95 96 97

¹ Not including white potatoes or sweet potatoes and jams.

AGRICULTURE—WISCONSIN

AND NUMBER OF FARMS REPORTING, 1929; AND ACREAGE, 1919¹—Continued

Additional crops are shown in Tables V, VII, and VIII]

Sawyer	Shawano	Sheboygan	Taylor	Trempealeau	Vernon	Vilas	Walworth	Washburn	Washington	Waukesha	Waupaca	Wausara	Winnebago	Wood
66 6,677 40	1,382 92,750 494	5,004 179,106 3,590	1,327 59,033 11	1,966 60,804 154	27 2,876 51	62 6,246 50	1,875 140,619 1,229	135 10,077 58	3,450 184,458 2,788	4,119 330,734 734	1,387 106,678 236	713 49,255 91	2,437 130,716 619	1,143 67,967 334
(²)	67 2	2 589 11	(²)	67 2 1	(²) 20 2	(²)	11 1,779 19	(²) 44 4	1 180 1	3 752 15	2 188 7	1 86 3	7 2,140 15	4 310 3
15 1,331 21 1	477 38,843 496 127 2 178 1 11 1,243 22	102 4,844 69 352 30 1,800 1 3 362 4	1 107 5	4 80 5	2 127 14 3	3 291 20	4 464 20 2	82 6,381 108	10 1,132 25 408	45 6,467 101 7 1	176 20,624 352 4	66 7,862 126 2	26 3,133 57 55	130 14,738 255
5 606 22 9	51 4,231 48 49	39 4,284 70 30 2	2 213 11 2	4 625 15 6 1	3 282 25 13 2	4 386 29 3	181 16,723 62 130 44 8,848 17 4	11 1,065 25 6 1 78 2	12 1,343 43 15	131 17,434 146 64 96 20,954 108 3 35 18 1	252 22,863 77 81 3 375 3 1 1 4	1 62 4 3 7 861 12 6 4 8	135 11,357 96 61 34 6,424 38 10 223 10 2	38 3,952 51 114 3 72 3 1 263 8
(²) 31 3	2 152 3	1,521 15 4	(²)	86 4	1 4	58 4	1 1 1 1	2 129 11	1 439 11	1 4,462 20 3 9 2,920 4	9 53 4	306 8	223 10 2	263 8
1 43 3	8 840 7	(²)	50 1	(²)	2 9	6 9	23 9,240 9	(²) 30 1	1 330 3	19 11,712 18 15 6	(²) 21 1	1 1	226 6 2	1 20 2
6 523 15 2 2 149 12 21 1 105 7	438 17,112 131 192 245 193 19,951 355 120 (²) 60 1	564 16,483 192 245 24 4,173 94 12 3 1,175 14 1	1,284 53,287 207 5	1,854 52,148 141	2 147 5 3 11 887 27 18 (²) 23 2	4 333 9	901 44,064 81 518	7 280 11 1	3,207 155,966 498 2,277	2,528 124,225 373 27 668 2	85 3,256 22	324 11,058 52	1,942 61,816 212 373	823 36,714 135
1 144 10 1 10 1	171 6,723 39 5 10 1,007 15	4,109 129,723 387 2,912	1,284 53,287 207 5	1,854 52,148 141	2 333 9	4 305 34	901 44,064 81 518	7 280 11 1	3,207 155,966 498 2,277	2,528 124,225 373 27 668 2	85 3,256 22	324 11,058 52	1,942 61,816 212 373	823 36,714 135
(²) 24 2	(²) 60 2	2 447 11	(²)	(²)	2 241 15	2 2	1 79 7	(²) 135 2	1 3,321 30	1 75 1	1 403 9	3 9	4 223 6	1 65 2
1 70 4 1	1 165 10 1	10 2,907 44 9	1 162 10	2 384 23 11	2 244 17 1	2 2	20 2,315 47 6	2 288 20 1	4 767 30 3	77 16,868 175 30 1 200 1 2 7	5 1,408 19 1 3 320 2	5 307 10 1 3 2	8,110 931 29 81 31	6 931 29 11 5
(²) 25 1	2 310 2	1 175 1	(²)	4 429 9 3	1 158 13	2 23	20 891 9 2	(²) 20 1 1	1 60 1	970 14 1	110 2 3	699 13 3	224 8 1	990 14 3 90
1 21 1,929 18	6 565 4	71 5,772 13 14	2 163 4	6 975 4 4	2 104 4	23 2,451 44 36	121 24,647 23 105	30 2 2	6,710 10 2	20,942 76 65	825 3 1	58 14,009 25 13	1,195 19 5	91 92 93 94
3 292 1	5 653	7 554 1	30 4,589	9 417 4	9 4	6 410 4	8 1,215	1 89	(²) 124 6	33 8,293 1	2 156	(²) 23	(²) 73	14 1,333 1

¹ Not including white potatoes or sweetpotatoes and yams.

AGRICULTURE—WISCONSIN

MAPLE AND FOREST PRODUCTS, AND NURSERIES AND GREENHOUSES, 1929
in Tables V, VI, and VIII

Table with 17 columns (Calumet, Chipewa, Clark, Columbia, Crawford, Dane, Dodge, Door, Douglas, Dunn, Eau Claire, Florence, Fond du Lac, Forest, Grant, Green) and 92 rows of numerical data.

MAPLE AND FOREST PRODUCTS, AND NURSERIES AND GREENHOUSES, 1929—Continued
in Tables V, VI, and VIII]

Table with 16 columns: Sauk, Sawyer, Shawano, Sheboygan, Taylor, Trempealeau, Vernon, Vilas, Walworth, Washburn, Washington, Waukesha, Wau-paca, Wau-shara, Winne-bago, Wood. The table contains numerical data for each county, organized into rows. The rightmost column contains a vertical index from 1 to 93.

COUNTY TABLE VIII.—LAND IN ORCHARD FRUITS, VINEYARDS, AND PLANTED NUT TREES, WITH NUMBER

[Additional crops are shown

ITEM (See definitions in Introduction)		THE STATE	Adams	Ashland	Barron	Bayfield	Brown	Buffalo	Burnett	
1	Land in orchard fruits, vineyards, and planted nut trees (nurseries excluded).....acres..	49,204	132	197	224	1,113	975	339	59	
2	Fruit trees.....farms reporting..	111,063	358	514	1,776	1,129	2,184	1,210	806	
ORCHARD FRUITS AND GRAPES										
3	Apples.....farms reporting..	108,982	350	504	1,655	1,121	2,173	1,197	594	
4	.....trees not of bearing age..	476,241	823	3,369	6,821	10,902	6,743	4,005	1,640
5	.....trees of bearing age..	1,959,996	4,511	8,987	13,815	59,638	45,909	17,129	2,578
6	.....bushels harvested..	1,906,867	4,080	5,104	15,216	37,338	68,418	11,655	1,620
7	Apricots.....farms reporting..	9								
8	.....trees not of bearing age..	11							
9	.....trees of bearing age..	11							
10	.....bushels harvested..	1							
11	Cherries.....farms reporting..	18,125	40	42	98	102	331	94	82	
12	.....trees not of bearing age..	264,595	56	215	157	1,351	451	70	79
13	.....trees of bearing age..	454,793	100	283	222	2,539	5,422	192	278
14	.....bushels harvested..	104,187	22	8	19	30	2,654	6	31
15	Peaches.....farms reporting..	576	2	1	3	5	7	1		
16	.....trees not of bearing age..	1,246		6	2	3	14	3	
17	.....trees of bearing age..	3,360	11		8	1,012	61		
18	.....bushels harvested..	2,086			1	1,002	38		
19	Pears.....farms reporting..	6,430	4	3	6	5	15	12	6	
20	.....trees not of bearing age..	6,509	3	8	8	10	11	21	8
21	.....trees of bearing age..	16,327	1		22	15	21	12	27
22	.....bushels harvested..	8,057			1	5	9	2	7
23	Plums and prunes.....farms reporting..	29,655	91	100	780	250	232	351	594	
24	.....trees not of bearing age..	54,028	73	378	1,387	1,853	572	250	1,126
25	.....trees of bearing age..	126,538	516	261	4,317	1,387	795	1,531	4,709
26	.....bushels harvested..	39,416	196	51	1,528	231	335	1,309	1,297
27	Other orchard fruits.....farms reporting..	12								
28	.....trees not of bearing age..	38							
29	.....trees of bearing age..	166							
30	Grapes.....farms reporting..	10,833	36	2	88	19	50	127	41	
31	.....vines not of bearing age..	28,130	88	6	200	49	49	164	95
32	.....vines of bearing age..	136,651	1,086	1	281	4,403	336	981	119
33	.....pounds harvested..	675,763	1,635	15	719	647	3,682	2,048	192
NUTS										
34	Nuts (not specified).....farms reporting..	18								
35	.....trees not of bearing age..	70							
36	.....trees of bearing age..	207							
37	.....pounds harvested..	1,362							
SMALL FRUITS										
38	Blackberries and dewberries.....farms reporting..	1,400	4		16	7	10	10		
39	.....acres..	165	1		2	4	2	1	
40	.....quarts..	72,226	160		1,012	953	742	262	
41	Blueberries.....farms reporting..	6							1	
42	.....acres..	4							(1)
43	.....quarts..	833							70
44	Cranberries.....farms reporting..	71							1	
45	.....acres..	1,150							7
46	.....quarts..	2,736,391							1,009
47	Currants.....farms reporting..	1,292			8	6	19	4	1	
48	.....acres..	96			(1)	1	1	(1)	(1)
49	.....quarts..	60,563			128	306	647	58	72
50	Gooseberries.....farms reporting..	71								
51	.....acres..	2							
52	.....quarts..	4,615							
53	Raspberries.....farms reporting..	11,549	20	11	156	116	233	132	24	
54	.....acres..	1,744	5	4	15	139	46	10	4
55	.....quarts..	1,159,353	2,130	3,558	10,773	98,553	33,643	6,687	1,413
56	Strawberries.....farms reporting..	21,694	152	44	345	333	387	222	45	
57	.....acres..	3,852	34	13	53	254	67	21	15
58	.....quarts..	4,473,404	24,868	10,492	52,430	343,183	115,074	13,011	8,154
59	Other small fruits.....farms reporting..	244	3		3		6			
60	.....acres..	59	(1)		(1)		1		
61	.....quarts..	16,326	55		70		2,211		

1 Less than 1 acre.

AGRICULTURE—WISCONSIN

777

OF FRUIT AND NUT TREES, AND GRAPEVINES, 1930, WITH PRODUCTION, 1929; AND SMALL FRUITS, 1929

in Tables V, VI, and VII

Calumet	Chippewa	Clark	Columbia	Crawford	Dane	Dodge	Door	Douglas	Dunn	Eau Claire	Florence	Fond du Lac	Forest	Grant	Green	
521 1,588	588 1,484	428 3,006	813 1,763	1,078 1,154	1,221 4,186	1,303 3,322	7,978 1,591	174 806	362 1,167	522 1,175	62 248	743 2,581	38 177	1,185 2,617	534 1,693	1 2
1,573 4,725 23,565 18,516	1,371 8,570 30,164 43,953	2,911 10,734 27,276 26,296	1,752 6,641 29,411 24,642	1,137 6,329 43,228 47,576	4,147 10,986 82,451 44,849	3,312 11,942 42,556 41,196	1,494 24,356 131,864 247,733	783 4,929 9,236 7,174	1,137 5,085 23,133 18,831	1,155 4,153 26,396 20,651	248 1,183 4,347 6,609	2,571 5,849 38,842 33,130	173 1,397 1,325 1,289	2,592 9,586 41,615 26,167	1,666 5,183 20,537 10,518	3 4 5 6
				1		2								1		7
				2		1								2		8
						3										9
																10
452 992 2,867 518	79 189 176 11	182 250 405 19	280 262 966 79	260 2,642 2,027 249	1,005 3,693 3,032 267	825 993 3,550 158	489 228,322 377,855 153,330	88 204 137 51	74 116 180 23	54 124 260 22	28 58 49 1	251 294 1,083 123	16 21 21 6	303 326 849 26	547 286 1,725 71	11 12 13 14
4 14 63 35	4 9 11	2 6 6	12 12 83 10	20 51 85 20	20 25 122 56	18 32 31 10	2 16 7 17	2 18 10	7 25 128	5 18 36	----- ----- -----	5 7 17 6	3 7 8 10	21 17 85 18	16 6 52 18	15 16 17 18
22 10 35 8	11 86 43 5	7 1 16 1	71 70 127 56	98 139 115 14	260 148 412 100	143 97 213 50	37 118 171 77	4 5	3 402 6 1	7 11 9 2	5 8 3	33 20 40 14	2 3	229 210 359 149	278 122 728 150	19 20 21 22
186 800 728 133	697 1,670 3,740 1,186	1,497 2,908 6,293 1,120	435 538 2,086 1,091	352 1,129 2,119 216	1,000 793 3,870 1,200	716 1,163 2,199 894	80 95 944 341	304 1,013 1,121 181	215 381 1,112 405	253 322 1,762 757	32 85 61 29	210 396 741 225	38 147 77 16	761 679 3,370 1,412	499 479 1,884 375	23 24 25 26
			1		1											27
			50		20											28 29
96 53 331 3,207	98 1,009 1,091 3,665	95 327 301 1,021	276 546 1,996 12,952	270 457 1,442 12,133	793 1,433 8,535 40,195	454 566 1,630 10,394	14 63 81 708	11 42 28 66	33 121 220 1,847	45 356 445 1,640	2 11 3 20	108 179 478 2,325	4 7 8	772 1,988 31,488 144,163	513 968 4,415 26,236	30 31 32 33
						3										34
						38										35
						280										36 37
88 4 1,608	16 3 605	18 2 946	23 1 727	22 4 1,215	72 5 2,016	90 6 2,950	19 3 1,355	3 1 109	15 7 1,100	13 5 1,674	----- ----- -----	20 1 737	----- ----- -----	35 3 924	7 3 1,362	38 39 40
																41 42 43
	2															44
	(1) 162															45 46
12 1 276	22 2 1,987	38 2 1,029	15 1 383	----- ----- -----	37 2 1,665	43 2 1,686	5 1 115	8 2 279	10 1 406	10 1 206	(1) 1 60	20 2 2,298	----- ----- -----	13 1 251	19 1 377	47 48 49
	2															50
	(1) 212															51 52
383 51 29,081	139 36 18,129	75 8 3,349	223 32 21,836	126 15 14,179	465 43 56,289	693 55 32,438	136 24 19,166	90 37 9,205	140 37 27,393	143 91 61,009	(1) 2 55	248 22 15,822	(1) 2 57	199 25 14,127	183 24 12,165	53 54 55
306 35 28,222	278 66 62,648	224 32 26,401	478 73 82,346	211 29 30,688	872 103 144,280	729 73 82,198	357 78 138,514	180 60 59,276	225 61 54,256	225 91 78,798	21 4 4,668	347 39 38,438	14 5 5,508	406 55 60,305	309 39 34,323	56 57 58
	4 1 525	6 1 (1) 116	12 1 417	(1) 2 80	13 1 493	12 1 312	(1) 3 532	4 1 60	(1) 5 216	8 1 999	(1) 5 176	----- ----- -----	(1) 5 176	----- ----- -----	----- ----- -----	59 60 61

COUNTY TABLE VIII.—LAND IN ORCHARD FRUITS, VINEYARDS, AND PLANTED NUT TREES, WITH NUMBER

[Additional crops are shown

ITEM (See definitions in Introduction)		Green Lake	Iowa	Iron	Jackson	Jefferson	Juneau	Keno- sha	Kewau- nee
1	Land in orchard fruits, vineyards, and planted nut trees (nurseries excluded).....acres..	427	577	62	261	943	419	943	859
2	Fruit trees.....farms reporting..	1,139	1,646	284	1,051	2,701	1,288	806	1,731
ORCHARD FRUITS AND GRAPES									
3	Apples.....farms reporting..	1,127	1,632	281	1,033	2,682	1,259	854	1,727
4	.....trees not of bearing age..	2,220	3,977	2,668	2,934	9,473	3,217	13,863	10,019
5	.....trees of bearing age..	18,021	20,900	2,758	14,745	36,877	16,489	22,002	33,250
6	.....bushels harvested..	10,690	14,517	2,570	11,318	48,494	11,578	15,525	32,472
7	Apricots.....farms reporting..		1						
8	.....trees not of bearing age..		2						
9	.....trees of bearing age..								
10	.....bushels harvested..								
11	Cherries.....farms reporting..	255	150	35	20	923	98	292	135
12	.....trees not of bearing age..	207	141	126	8	607	95	2,852	3,228
13	.....trees of bearing age..	894	248	41	85	3,865	330	1,367	1,906
14	.....bushels harvested..	55	164	1	57	291	10	121	1,147
15	Peaches.....farms reporting..	3	10		2	24	10	35	1
16	.....trees not of bearing age..	6	18		1	39	42	31	
17	.....trees of bearing age..	15	18		18	69	33	155	1
18	.....bushels harvested..	14	6			61	32	25	
19	Pears.....farms reporting..	22	75		1	344	15	373	24
20	.....trees not of bearing age..	11	65		2	263	9	264	13
21	.....trees of bearing age..	25	81			730	24	1,764	32
22	.....bushels harvested..	2	12			191	12	917	11
23	Plums and prunes.....farms reporting..	274	428	46	203	700	305	205	143
24	.....trees not of bearing age..	335	515	124	239	1,076	445	568	242
25	.....trees of bearing age..	841	1,780	96	981	2,477	1,272	746	447
26	.....bushels harvested..	311	568	12	747	646	583	52	269
27	Other orchard fruits.....farms reporting..				1	1			
28	.....trees not of bearing age..								
29	.....trees of bearing age..				15	7			
30	Grapes.....farms reporting..	126	323		35	700	149	221	37
31	.....vines not of bearing age..	156	453		298	1,113	460	1,424	26
32	.....vines of bearing age..	399	3,407		326	7,584	1,017	3,085	65
33	.....pounds harvested..	1,517	26,323		1,301	41,713	6,299	17,554	1,076
NUTS									
34	Nuts (not specified).....farms reporting..					3			
35	.....trees not of bearing age..								
36	.....trees of bearing age..					77			
37	.....pounds harvested..					102			
SMALL FRUITS									
38	Blackberries and dewberries.....farms reporting..	11	20		15	79	66	2	11
39	.....acres..	1	3		2	4	8	(¹)	1
40	.....quarts..	491	533		1,757	1,722	3,128	104	493
41	Blueberries.....farms reporting..						2		
42	.....acres..						1		
43	.....quarts..						408		
44	Cranberries.....farms reporting..				8		10		
45	.....acres..				158		173		
46	.....quarts..				382,412		412,120		
47	Currants.....farms reporting..	6	10		4	51	13	5	4
48	.....acres..	(¹)	(¹)		(¹)	4	1	(¹)	(¹)
49	.....quarts..	73	173		122	2,321	519	290	158
50	Gooseberries.....farms reporting..					1			
51	.....acres..					(¹)			
52	.....quarts..					73			
53	Raspberries.....farms reporting..	119	85	1	75	656	76	55	160
54	.....acres..	12	8	3	14	51	10	30	18
55	.....quarts..	6,149	3,399	540	7,130	30,049	9,435	11,127	9,669
56	Strawberries.....farms reporting..	298	206	12	310	748	343	168	217
57	.....acres..	44	24	3	96	75	48	55	25
58	.....quarts..	42,083	23,296	1,059	151,670	64,798	42,967	98,749	25,892
59	Other small fruits.....farms reporting..	4	5			22	4	5	
60	.....acres..	(¹)	(¹)			2	1	2	
61	.....quarts..	66	95			1,515	90	393	

¹ Less than 1 acre.

AGRICULTURE—WISCONSIN

OF FRUIT AND NUT TREES, AND GRAPEVINES, 1930, WITH PRODUCTION, 1929; AND SMALL FRUITS, 1929—Con.

in Tables V, VI, and VII]

La Crosse	Lafayette	Langlade	Lincoln	Manitowoc	Marathon	Marinette	Marquette	Milwaukee	Monroe	Oconto	Oneida	Outagamie	Ozaukee	Pepin	Pierce	
506 927	354 1,219	214 838	153 661	1,243 3,358	1,067 4,434	585 1,798	227 636	961 1,156	1,045 1,946	847 2,277	43 214	520 2,337	1,180 1,218	109 401	398 1,834	1 2
905 5,059 23,046 8,168	1,201 2,508 12,183 6,865	830 5,416 12,128 18,978	641 4,461 7,195 5,384	3,346 13,431 61,886 43,081	4,379 22,154 57,448 54,726	1,783 9,858 32,351 33,832	632 1,765 10,841 8,979	1,147 10,335 31,098 36,497	1,936 8,324 35,863 19,211	2,268 6,845 43,623 56,792	196 1,191 1,246 774	2,327 4,736 32,700 39,352	1,216 14,700 30,951 42,299	396 1,751 6,315 5,176	1,810 8,139 21,147 16,313	3 4 5 6
						1 5										7 8 9 10
93 57 211 10	130 108 297 16	63 170 20 1	51 145 117 4	395 338 1,719 169	160 259 228 4	246 518 427 76	21 72 49 3	166 927 860 689	121 661 322 17	173 264 382 36	30 84 45 10	631 1,046 2,940 188	355 660 1,886 279	20 43 63 10	138 206 285 27	11 12 13 14
4 15 13 5	8 23 23 20	2 2		9 27 45 40	11 69 39 29	8 28 24 23	7 10 15 15	18 25 20 3	4 22 11 9	6 10 97 145		4 25 11 15	8 13 8 3	1 1	5 14 29 17	15 16 17 18
14 25 3 1	33 69 113 22	1 6	1 1	162 163 291 170	15 32 30 14	12 14 4 2	2 2 2 1	249 436 1,095 770	11 73 5 1	16 12 8 2		9 9 21 15	345 456 888 853	2 6 1	7 16 13 1	19 20 21 22
325 342 2,239 706	287 290 1,154 217	221 726 488 269	341 768 1,792 101	959 1,241 3,918 614	1,746 4,025 7,320 1,041	393 1,381 745 203	82 97 367 293	151 499 709 581	448 561 1,867 871	272 381 672 449	87 265 312 88	597 1,295 2,298 619	294 761 980 320	117 130 365 194	681 1,275 2,516 809	23 24 25 26
							1	1								27 28 29
								12								
186 1,015 10,790 16,894	178 437 1,298 5,598	16 44 11	7 22 19 63	97 107 471 1,689	73 110 131 631	34 196 104 478	41 442 3,912 48,080	49 203 1,843 6,946	132 378 2,630 5,715	59 112 188	5 58	137 204 740 4,422	71 265 254 4,219	47 312 234 983	163 553 997 2,726	30 31 32 33
									2 5 14 220			1				34 35 36 37
25 6 3,361	13 1 264		(1) 2 60	15 1 382	14 2 1,053	7 1 195	(1) 5 113	(1) 2 208	28 9 3,436	15 1 642		47 8 7,176	16 1 776	6 1 810	31 4 1,687	38 39 40
																41 42 43
																44 45 46
																47 48 49
13 1 1,347	(1) 7 75		(1) 4 129	8 2 2,400	17 1 232	5 1 358	7 1 365	31 7 8,634	8 1 301	(1) 6 167	(1) 3 55	13 1 615	80 4 3,936		22 2 526	50 51 52
(1) 5 113	(1) 3 88							(1) 1 432			(1) 1 50		(1) 7 172		(1) 4 172	53 54 55
118 24 18,661	58 5 1,286	15 18 2,059	11 1 675	254 25 17,756	40 10 4,169	93 21 10,368	51 36 34,858	45 21 12,076	146 49 44,675	102 23 10,157	18 3 976	399 64 62,023	152 11 5,630	55 5 4,381	293 54 22,389	56 57 58
290 84 94,532	200 26 17,713	81 14 12,145	77 25 17,999	395 44 44,294	362 56 47,288	392 112 127,884	162 28 26,427	135 66 72,472	473 242 361,540	267 45 43,253	58 22 25,720	601 77 113,234	164 21 14,588	86 9 8,001	314 52 40,147	59 60 61
	(1) 4 108			(1) 3 87			(1) 4 188		(1) 3 266			(1) 3 101	4 1 2,377		(1) 3 176	

COUNTY TABLE VIII.—LAND IN ORCHARD FRUITS, VINEYARDS, AND PLANTED NUT TREES, WITH NUMBER

[Additional crops are shown

ITEM (See definitions in Introduction)		Polk	Portage	Price	Racine	Rich-land	Rock	Rusk	St. Croix
1	Land in orchard fruits, vineyards, and planted nut trees (nurseries excluded).....acres..	207	397	53	837	853	970	24	168
2	Fruit trees.....farms reporting.....	2,054	1,809	678	1,394	1,216	2,380	403	999
ORCHARD FRUITS AND GRAPES									
3	Apples.....farms reporting.....	1,927	1,760	631	1,383	1,196	2,336	330	983
4	.....trees not of bearing age.....	7,090	7,870	2,421	9,957	10,672	9,250	1,337	3,232
5	.....trees of bearing age.....	13,947	20,910	3,742	26,155	32,694	32,472	2,072	9,323
6	.....bushels harvested.....	11,946	21,299	3,005	27,073	27,874	33,953	1,560	8,244
7	Apricots.....farms reporting.....					1	1		
8	.....trees not of bearing age.....					1			
9	.....trees of bearing age.....						5		
10	.....bushels harvested.....								
11	Cherries.....farms reporting.....	189	95	31	473	100	1,025	36	27
12	.....trees not of bearing age.....	175	193	51	1,202	178	1,093	40	31
13	.....trees of bearing age.....	449	97	56	2,210	701	4,156	127	57
14	.....bushels harvested.....	54	8	3	81	8	495	4	13
15	Peaches.....farms reporting.....	6	13	3	42	4	21	5	1
16	.....trees not of bearing age.....	35	59	10	124	5	79	6	
17	.....trees of bearing age.....	35	130	6	151	32	56	16	12
18	.....bushels harvested.....	19	170	2	04		3		
19	Pears.....farms reporting.....	14	9	3	654	15	262		0
20	.....trees not of bearing age.....	9	24	3	941	10	255		6
21	.....trees of bearing age.....	37	24	1	2,033	16	442		9
22	.....bushels harvested.....	9	9		887	2	158		3
23	Plums and prunes.....farms reporting.....	1,092	342	243	446	307	633	228	276
24	.....trees not of bearing age.....	1,732	884	691	1,103	367	830	418	431
25	.....trees of bearing age.....	5,112	1,101	961	1,890	1,614	2,435	1,525	1,410
26	.....bushels harvested.....	1,540	418	163	736	370	716	214	534
27	Other orchard fruits.....farms reporting.....						1		
28	.....trees not of bearing age.....								
29	.....trees of bearing age.....						4		
30	Grapes.....farms reporting.....	121	33	8	288	162	686	10	38
31	.....vines not of bearing age.....	282	76	10	1,419	270	1,521	39	52
32	.....vines of bearing age.....	854	90	14	2,398	2,528	6,208	46	226
33	.....pounds harvested.....	662	1,038		17,536	18,366	34,691	313	922
NUTS									
34	Nuts (not specified).....farms reporting.....								
35	.....trees not of bearing age.....								
36	.....trees of bearing age.....								
37	.....pounds harvested.....								
SMALL FRUITS									
38	Blackberries and dewberries.....farms reporting.....	7	16	2	4	37	48		7
39	.....acres.....	1	3		(1)	6	5		1
40	.....quarts.....	215	1,495	201	103	1,943	1,804		1,570
41	Blueberries.....farms reporting.....		3						
42	.....acres.....		3						
43	.....quarts.....		355						
44	Cranberries.....farms reporting.....	2		1					1
45	.....acres.....	(1)		(1)					(1)
46	.....quarts.....	75		100					320
47	Currants.....farms reporting.....	15	11	6	32	5	56	3	
48	.....acres.....	1	1	(1)	3	1	3	1	
49	.....quarts.....	206	399	104	1,676	153	1,562	360	
50	Gooseberries.....farms reporting.....	3				5	2		
51	.....acres.....	(1)				(1)	(1)		
52	.....quarts.....	111				124	530		
53	Raspberries.....farms reporting.....	180	109	9	129	189	342	13	101
54	.....acres.....	18	17	2	16	22	43	3	25
55	.....quarts.....	15,724	9,988	1,687	11,433	13,225	24,027	1,896	11,758
56	Strawberries.....farms reporting.....	258	547	26	339	404	621	60	133
57	.....acres.....	30	86	6	98	42	98	17	36
58	.....quarts.....	35,042	57,929	6,406	187,897	46,853	102,709	12,199	54,021
59	Other small fruits.....farms reporting.....		3		8	3	15		2
60	.....acres.....		(1)		1	1	1		10
61	.....quarts.....		65		1,172	375	600		204

1 Less than 1 acre.

OF FRUIT AND NUT TREES, AND GRAPEVINES, 1930, WITH PRODUCTION, 1929; AND SMALL FRUITS, 1929—Con.

in Tables V, VI, and VII

Sauk	Sawyer	Shawano	Sheboygan	Taylor	Trempealeau	Vernon	Vilas	Walworth	Washburn	Washington	Waukesha	Waupaca	Wausara	Winnebago	Wood	
1,030 1,969	19 162	779 3,049	1,494 2,954	112 935	465 1,089	1,015 2,604	29 98	750 1,720	43 386	1,281 2,342	1,642 2,460	701 2,501	508 1,415	981 2,057	344 1,894	1 2
1,944 8,082 45,591 37,257	131 620 461 415	3,037 8,751 51,000 57,789	2,939 11,455 58,523 49,063	871 5,062 5,854 4,490	1,059 9,028 28,133 20,694	2,581 6,977 47,604 19,828	93 702 591 465	1,704 4,761 26,045 30,058	309 1,155 2,870 1,971	2,335 8,187 39,841 43,060	2,446 13,051 62,251 70,893	2,467 4,461 45,159 40,296	1,396 2,603 21,514 16,403	2,046 7,912 47,322 51,143	1,852 6,610 21,724 22,006	3 4 5 6
											1					7
											1					8
											1					9
											1					10
178 210 851 16	40 98 43 4	573 970 1,285 147	897 1,201 4,802 712	73 131 56 1	32 35 85 103	197 209 413 148	9 60 11 1	712 972 2,814 298	46 66 82 67	850 1,073 5,005 324	1,011 1,119 5,157 392	331 403 774 51	221 253 684 72	452 584 2,403 89	94 204 165 3	11 12 13 14
16 19 103 41	2 7 3 4	5 52 60 4	17 11 60 4	3 5 13 4	2 3 6 10	4 7 1 10		28 49 50 23	3 6 26 4	15 16 43 22	30 37 41 13	6 12 41 13	2 1 25 25	2 3 3 3	4 1 39 17	15 16 17 18
83 104 76 29	4 4 5 1	15 15 7 1	573 340 1,130 505	5 11 9 3	4 2 7 3	27 26 51 5		554 357 1,372 755	4 3 4 1	416 277 1,195 814	699 809 2,314 1,210	4 5 3 1	11 8 33 9	20 21 84 16	4 19 7 1	19 20 21 22
470 571 1,042 896	105 403 371 110	775 1,444 2,250 696	617 1,023 1,849 1,035	519 1,771 1,045 185	221 310 1,200 753	757 918 3,585 1,206	26 81 104 18	389 544 1,201 469	241 403 1,532 936	419 531 1,319 326	570 879 2,547 1,544	449 572 1,459 386	347 331 1,622 639	342 1,020 1,321 312	833 1,533 4,380 447	23 24 25 26
							1									27
							1									28
	4						5									29
479 1,529 7,920 35,975	7 27 127 255	86 91 168 928	172 136 484 3,972	15 23 35 17	62 306 814 3,180	440 888 3,966 20,668	2 18	434 926 4,668 27,515	16 38 73 179	227 149 639 9,013	238 2,533 3,455 13,466	150 116 737 5,449	77 99 352 4,221	187 487 1,929 11,551	69 130 251 718	30 31 32 33
																34
												5				35
												30				36
												180				37
																38
																39
51 3 1,843		30 2 1,180	13 1 325		15 3 960	81 8 3,784		37 2 755		49 3 1,109	19 1 667	37 7 2,186	51 3 2,517	19 1 372	9 1 349	40
																41
																42
																43
																44
								1 6 300	1 35 50,000	1 1 200			5 7 2,771		21 509 1,431,584	45 46
																47
15 1 396	7 1 128	9 1 387	102 7 2,007	7 2 368	4 1 185	10 1 171		80 2 2,303		134 9 4,104	65 4 5,083	29 1 896	23 1 480	46 5 2,822	25 3 548	48 49
																50
																51
																52
																53
																54
265 36 20,545	7 2 844	171 18 15,040	650 52 33,574	5 (1) 112	89 12 8,002	301 48 36,572	5 2 1,263	334 25 19,423	19 5 1,663	516 40 20,320	251 25 17,367	245 26 18,338	185 20 13,960	340 39 27,397	63 9 3,931	55
																56
																57
464 74 57,077	38 6 3,402	403 46 63,160	877 105 141,290	98 14 8,800	403 56 53,913	580 65 65,867	26 6 6,450	419 44 48,537	55 21 12,250	439 40 31,395	488 91 132,576	609 67 75,365	491 62 57,609	618 103 155,998	180 46 39,597	58
																59
																60
8 (1) 450		5 1 397	11 1 233					(1) 220		(1) 157	(1) 128	(1) 306	(1) 125	(1) 70		61

COUNTY TABLE X.—VALUE OF CROPS, 1929; VALUE OF LIVE

ITEM (See definitions in Introduction)	THE STATE	Adams	Ashland	Barron	Bayfield
	Dollars	Dollars	Dollars	Dollars	Dollars
VALUE OF CROPS, 1929					
1 Field and orchard crops, vegetables, and farm gardens, total value.....	228,055,192	1,181,213	584,881	4,884,488	983,485
2 Cereals.....	72,701,616	490,380	121,544	1,246,687	180,004
3 Other grains and seeds.....	4,772,322	38,444	10,204	70,085	24,847
4 Hay and forage.....	90,743,804	369,529	299,553	2,064,126	447,002
5 Vegetables (including all potatoes and sweetpotatoes).....	33,908,623	218,707	115,582	1,362,540	162,393
6 Fruits and nuts.....	4,682,648	10,066	9,433	33,148	122,674
7 All other field crops.....	7,522,313	47	1,864	10,006	3,600
8 Farm garden vegetables (excluding potatoes and sweetpotatoes) grown for home use only.....	4,723,866	45,040	26,701	97,896	43,625
9 Receipts from sales of nursery, greenhouse, and hothouse products, etc.: Trees, plants, vines, flower and vegetable seeds, bulbs, etc.....	638,052			1,484	14,437
10 Flowers, plants, and vegetables grown under glass, and flowers grown in the open.....	1,483,182			13,592	1,041
11 Value of forest products, cut on farms, for home use and for sale.....	16,925,577	215,662	136,690	389,343	170,977
VALUE OF LIVESTOCK ON FARMS, APRIL 1, 1930					
12 Domestic animals, chickens, and bees, total value.....	307,805,142	1,271,671	949,843	6,357,499	1,552,439
13 Domestic animals, total value.....	296,108,130	1,199,108	919,053	6,176,341	1,487,015
14 Horses and colts.....	51,945,104	355,198	172,506	1,154,025	317,370
15 Mules and mule colts.....	704,709	7,128	2,131	13,480	6,400
16 Asses and burros.....	10,380	450		240	
17 Cattle.....	220,293,045	759,240	703,831	4,809,765	1,105,552
18 Swine.....	18,671,225	59,530	27,770	104,298	33,187
19 Sheep and lambs.....	4,446,805	17,164	12,801	94,371	28,934
20 Goats and kids.....	36,862	398	14	162	1,166
21 Chickens.....	11,286,743	71,109	29,571	173,368	63,629
22 Bees.....	410,269	1,454	1,219	7,780	1,105
VALUE OF LIVESTOCK PRODUCTS, 1929					
Dairy products sold and butter churned:					
23 Butter, cream, and whole milk sold, total value.....	223,714,295	479,969	669,616	6,222,573	869,046
24 Butter sold.....	426,113	1,662	4,258	1,596	13,010
25 Cream sold as butterfat.....	49,156,525	405,181	292,291	816,115	568,537
26 Cream sold not as butterfat.....	923,414	3,915	13,081	25,468	13,218
27 Whole milk sold.....	173,209,243	69,211	359,986	5,379,394	274,281
28 Butter churned.....	1,380,593	17,775	30,632	14,838	54,399
29 Wool shorn (unwashed).....	887,003	3,265	2,055	19,516	4,410
30 Mohair and kid hair clipped (unwashed).....	1,471		1	5	110
31 Poultry raised, total value.....	19,217,347	115,523	51,752	307,164	114,362
32 Chickens.....	17,555,666	105,617	47,600	279,642	106,110
33 Turkeys.....	540,769	7,294	2,549	20,512	6,337
34 Ducks.....	569,748	1,162	678	1,686	738
35 Geese.....	551,164	1,550	805	5,324	1,177
Chicken products:					
36 Chicken eggs produced.....	26,198,256	169,878	84,146	442,890	189,191
37 Chicken eggs sold.....	18,793,319	126,369	42,230	302,467	137,130
38 Chickens sold.....	7,389,113	46,793	12,885	120,103	48,452
39 Honey produced.....	752,240	2,393	3,377	16,697	2,500

ITEM (See definitions in Introduction)	Eau Claire	Florence	Fond du Lac	Forest	Grant
	Dollars	Dollars	Dollars	Dollars	Dollars
VALUE OF CROPS, 1929					
1 Field and orchard crops, vegetables, and farm gardens, total value.....	2,445,092	249,080	6,519,619	381,190	6,539,663
2 Cereals.....	1,036,911	33,612	2,116,157	55,510	3,381,473
3 Other grains and seeds.....	48,047	110,504	1,406	1,406	60,010
4 Hay and forage.....	949,836	120,397	3,176,402	147,205	2,503,080
5 Vegetables (including all potatoes and sweetpotatoes).....	308,692	74,948	890,954	157,640	349,873
6 Fruits and nuts.....	52,808	8,567	54,363	2,455	61,592
7 All other field crops.....	1,922	1,158	85,534	610	51,414
8 Farm garden vegetables (excluding potatoes and sweetpotatoes) grown for home use only.....	46,776	9,491	91,785	16,334	131,321
9 Receipts from sales of nursery, greenhouse, and hothouse products, etc.: Trees, plants, vines, flower and vegetable seeds, bulbs, etc.....	39,054		9,913		4,421
10 Flowers, plants, and vegetables grown under glass, and flowers grown in the open.....	800		105,707		10,873
11 Value of forest products, cut on farms, for home use and for sale.....	141,321	36,886	92,317	60,747	373,795
VALUE OF LIVESTOCK ON FARMS, APRIL 1, 1930					
12 Domestic animals, chickens, and bees, total value.....	3,262,174	303,559	8,540,022	414,965	10,248,852
13 Domestic animals, total value.....	3,142,236	288,757	8,229,123	388,934	9,849,733
14 Horses and colts.....	736,533	70,934	1,339,054	100,194	1,516,044
15 Mules and mule colts.....	6,970	1,459	9,536	267	67,810
16 Asses and burros.....			450		400
17 Cattle.....	2,138,335	205,619	6,236,061	278,184	6,536,525
18 Swine.....	198,497	4,197	530,973	12,970	1,531,030
19 Sheep and lambs.....	61,601	6,640	112,099	7,216	226,258
20 Goats and kids.....	100	8	950	73	766
21 Chickens.....	115,820	14,370	302,267	15,359	363,809
22 Bees.....	4,118	432	8,632	672	15,260
VALUE OF LIVESTOCK PRODUCTS, 1929					
Dairy products sold and butter churned:					
23 Butter, cream, and whole milk sold, total value.....	2,016,940	152,836	6,667,764	201,643	3,835,010
24 Butter sold.....	2,780	4,762	6,415	4,313	3,402
25 Cream sold as butterfat.....	1,078,589	100,939	1,008,420	115,795	1,947,768
26 Cream sold not as butterfat.....	13,975	7,430	14,310	12,962	17,110
27 Whole milk sold.....	921,696	39,705	5,633,619	68,573	1,866,730
28 Butter churned.....	15,237	18,645	8,744	20,088	25,114
29 Wool shorn (unwashed).....	11,927	1,231	22,601	1,488	39,678
30 Mohair and kid hair clipped (unwashed).....			8		28
31 Poultry raised, total value.....	221,979	22,609	527,192	26,336	572,008
32 Chickens.....	198,184	21,108	481,426	25,417	535,655
33 Turkeys.....	16,470	1,204	7,660	218	4,787
34 Ducks.....	2,728	35	12,927	312	10,440
35 Geese.....	4,597	262	16,179	389	21,120
Chicken products:					
36 Chicken eggs produced.....	223,146	46,168	698,380	42,636	740,204
37 Chicken eggs sold.....	144,207	30,890	508,033	20,442	566,418
38 Chickens sold.....	85,048	9,266	185,884	8,553	235,187
39 Honey produced.....	6,183	637	19,680	500	29,208

COUNTY TABLE X.—VALUE OF CROPS, 1929; VALUE OF LIVESTOCK,

ITEM (See definitions in Introduction)	Manitowoc	Marathon	Marquette	Marquette	Milwaukee
	Dollars	Dollars	Dollars	Dollars	Dollars
VALUE OF CROPS, 1929					
1 Field and orchard crops, vegetables, and farm gardens, total value.....	4,255,422	5,916,105	2,154,897	1,617,063	1,933,935
2 Cereals.....	1,379,834	1,441,411	388,103	679,615	246,882
3 Other grains and seeds.....	412,823	66,859	63,467	120,236	15,540
4 Hay and forage.....	1,990,162	2,751,403	838,014	521,302	542,740
5 Vegetables (including all potatoes and sweetpotatoes).....	302,207	1,148,559	729,061	241,580	967,076
6 Fruits and nuts.....	68,416	81,336	64,069	27,584	84,712
7 All other field crops.....	5,248	267,248	2,300	3,143	13,837
8 Farm garden vegetables (excluding potatoes and sweetpotatoes) grown for home use only.....	96,732	159,284	69,883	24,303	72,531
9 Receipts from sales of nursery, greenhouse, and hothouse products, etc.: Trees, plants, vines, flower and vegetable seeds, bulbs, etc.....	7,424	677	455	150	119,655
10 Flowers, plants, and vegetables grown under glass, and flowers grown in the open.....	16,005		58		735,416
11 Value of forest products, cut on farms, for home use and for sale.....	222,546	1,333,022	300,899	168,281	13,194
VALUE OF LIVESTOCK ON FARMS, APRIL 1, 1930					
12 Domestic animals, chickens, and bees, total value.....	6,729,728	8,940,792	2,430,819	1,857,417	1,385,642
13 Domestic animals, total value.....	6,472,061	8,678,757	2,346,205	1,768,797	1,300,773
14 Horses and colts.....	1,235,100	1,404,704	372,672	398,100	318,782
15 Mules and mule colts.....	7,263	11,498	12,394	12,037	1,782
16 Asses and burros.....	90	320	720		800
17 Cattle.....	4,950,596	6,889,300	1,645,021	1,157,910	931,830
18 Swine.....	264,848	263,552	68,059	145,582	40,512
19 Sheep and lambs.....	13,835	109,067	27,239	49,841	1,365
20 Goats and kids.....	339	816	212	327	200
21 Chickens.....	248,181	253,269	91,896	89,802	70,430
22 Bees.....	9,486	8,739	1,718	3,758	3,333
VALUE OF LIVESTOCK PRODUCTS, 1929					
Dairy products sold and butter churned:					
23 Butter, cream, and whole milk sold, total value.....	5,662,305	8,026,201	1,591,509	647,634	1,267,352
24 Butter sold.....	10,546	12,850	9,557	736	19,070
25 Cream sold as butterfat.....	31,864	472,065	353,455	500,492	20,014
26 Cream sold not as butterfat.....	7,736	20,055	25,737	864	3,865
27 Whole milk sold.....	5,612,159	7,512,171	1,202,760	55,542	1,217,803
28 Butter churned.....	15,671	37,057	37,456	5,428	22,060
29 Wool shorn (unwashed).....	2,540	20,738	4,540	11,077	290
30 Mohair and kid hair clipped (unwashed).....		1		1	1
31 Poultry raised, total value.....	365,658	452,727	156,978	155,205	100,600
32 Chickens.....	341,064	408,386	151,279	133,021	140,806
33 Turkeys.....	3,195	2,895	2,108	9,539	144
34 Ducks.....	9,735	21,296	1,697	5,028	13,025
35 Geese.....	11,664	20,150	1,892	7,617	6,642
Chicken products:					
36 Chicken eggs produced.....	619,250	581,505	247,964	217,607	188,847
37 Chicken eggs sold.....	472,650	341,451	149,881	162,571	126,020
38 Chickens sold.....	106,966	138,447	57,223	63,454	48,604
39 Honey produced.....	22,033	13,354	2,923	5,603	18,435

ITEM (See definitions in Introduction)	Rusk	St. Croix	Sauk	Sawyer	Shawano
	Dollars	Dollars	Dollars	Dollars	Dollars
VALUE OF CROPS, 1929					
1 Field and orchard crops, vegetables, and farm gardens, total value.....	1,293,316	3,938,344	4,916,049	596,838	4,098,300
2 Cereals.....	236,915	1,748,299	2,192,394	77,699	1,161,804
3 Other grains and seeds.....	13,099	46,242	52,503	4,045	141,102
4 Hay and forage.....	649,253	1,865,472	2,047,507	239,676	2,036,002
5 Vegetables (including all potatoes and sweetpotatoes).....	288,382	174,991	432,078	238,543	512,070
6 Fruits and nuts.....	4,690	24,129	67,654	1,295	84,803
7 All other field crops.....	1,852	2,646	3,797	1,415	37,381
8 Farm garden vegetables (excluding potatoes and sweetpotatoes) grown for home use only.....	99,125	76,565	120,118	34,165	120,722
9 Receipts from sales of nursery, greenhouse, and hothouse products, etc.: Trees, plants, vines, flower and vegetable seeds, bulbs, etc.....		873	332	25	101
10 Flowers, plants, and vegetables grown under glass, and flowers grown in the open.....		3,500	1,638	60	845
11 Value of forest products, cut on farms, for home use and for sale.....	175,875	141,010	482,690	85,932	601,340
VALUE OF LIVESTOCK ON FARMS, APRIL 1, 1930					
12 Domestic animals, chickens, and bees, total value.....	2,262,744	6,107,569	6,970,609	769,326	5,803,306
13 Domestic animals, total value.....	2,198,747	5,995,600	6,674,121	742,566	5,601,373
14 Horses and colts.....	399,910	1,134,348	1,055,530	180,826	998,211
15 Mules and mule colts.....	10,360	12,599	24,053	2,970	5,591
16 Asses and burros.....	320	500	500	80	80
17 Cattle.....	1,673,750	4,303,137	4,859,973	511,530	4,289,700
18 Swine.....	75,077	366,026	657,067	19,677	283,209
19 Sheep and lambs.....	38,712	89,116	76,500	27,204	49,808
20 Goats and kids.....	618	374	723	279	714
21 Chickens.....	59,096	195,105	283,020	25,128	197,100
22 Bees.....	4,901	6,864	13,468	1,632	4,887
VALUE OF LIVESTOCK PRODUCTS, 1929					
Dairy products sold and butter churned:					
23 Butter, cream, and whole milk sold, total value.....	1,662,797	3,990,873	3,966,255	425,143	4,869,928
24 Butter sold.....	2,389	3,611	1,651	5,841	4,213
25 Cream sold as butterfat.....	572,026	2,543,051	2,122,105	233,812	278,093
26 Cream sold not as butterfat.....	4,979	22,139	21,670	4,864	7,615
27 Whole milk sold.....	1,083,403	1,422,072	1,820,769	180,628	4,580,007
28 Butter churned.....	16,632	11,193	12,491	28,217	9,116
29 Wool shorn (unwashed).....	4,042	19,746	14,251	4,582	9,800
30 Mohair and kid hair clipped (unwashed).....	25	4		5	6
31 Poultry raised, total value.....	118,460	382,465	473,363	52,706	343,070
32 Chickens.....	107,132	325,326	449,484	47,468	304,692
33 Turkeys.....	6,143	45,366	7,885	3,588	10,380
34 Ducks.....	1,347	2,700	9,164	512	11,612
35 Geese.....	3,838	9,133	12,830	1,138	16,402
Chicken products:					
36 Chicken eggs produced.....	153,000	494,703	649,284	70,186	467,068
37 Chicken eggs sold.....	89,448	355,699	493,150	40,515	350,842
38 Chickens sold.....	42,483	152,492	221,808	19,316	101,060
39 Honey produced.....	7,409	9,063	18,320	2,549	7,384

AGRICULTURE—WISCONSIN

1930; AND VALUE OF LIVESTOCK PRODUCTS, 1929—Continued

Table with 14 columns (Monroe, Oconto, Oneida, Outagamie, Ozaukee, Pepin, Pierce, Polk, Portage, Price, Racine, Richland, Rock) and 14 rows of data. Includes sub-headers for 'Dollars' and numerical values in each cell. A second set of columns (Sheboygan, Taylor, Trempealeau, Vernon, Vilas, Walworth, Washburn, Washington, Waukesha, Waupaca, Waushara, Winnebago, Wood) follows on the right side.

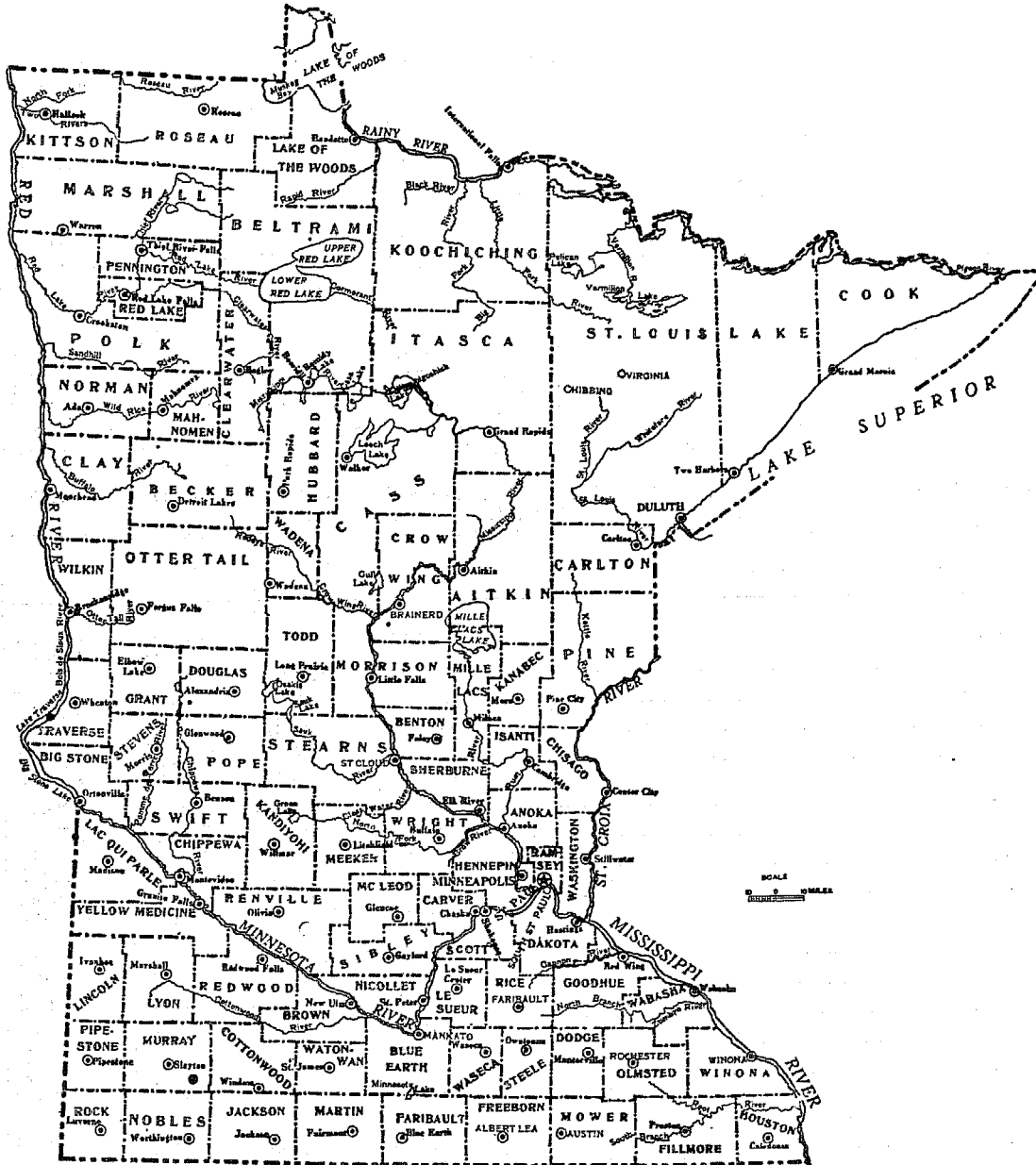
COUNTY TABLE XII.—COOPERATIVE MARKETING AND FARM EXPENDITURES, 1929; FARM MACHINERY, 1920; TENANTS RELATED TO LANDLORD AND CASH RENT PAID, 1930; AND

ITEM (See definitions in Introduction)	Green Lake	Iowa	Iron	Jackson	Jefferson	Juneau	Kenosha	Kewau- nee
COOPERATIVE MARKETING, 1929								
Cooperative marketing:								
Value of farm products sold..... dollars..	375,412	662,928	4,377	946,146	513,910	126,723	1,253,574	178,549
farms reporting.....	544	769	44	868	524	249	482	653
Value of farm supplies purchased..... dollars..	38,572	103,651	13,989	25,903	117,060	45,943	170,831	84,603
farms reporting.....	300	469	49	94	554	205	261	406
Value of all farm products ¹ on farms reporting cooperative sales..... dollars..	1,549,144	2,269,557	27,735	2,033,553	1,544,067	525,117	1,835,511	1,496,190
FARM EXPENDITURES, 1929								
Expenditures for—								
Feed (hay, grain, mill feed, etc., "not raised on this farm")..... dollars..	197,278	483,485	77,552	353,595	676,142	315,414	552,067	209,947
farms reporting.....	1,095	1,844	453	1,765	2,619	1,623	1,052	1,361
Fertilizer (including commercial fertilizer, manure, marl, lime, and ground limestone)..... dollars..	18,604	40,243	2,126	24,771	30,153	26,647	83,086	10,110
farms reporting.....	334	635	52	408	674	521	515	291
Commercial fertilizer (quantity purchased)..... tons..	282	714	13	211	749	253	2,160	276
farms reporting.....	215	462	11	180	615	246	483	270
Farm labor, exclusive of housework (cash)..... dollars..	247,048	474,706	27,067	378,244	648,819	211,935	447,802	204,781
farms reporting.....	829	1,526	221	1,841	1,763	1,025	744	872
Days of labor employed..... number..	129,716	243,512	12,887	196,190	353,378	111,007	202,395	118,152
Farm implements and machinery (including automobiles, trucks, tractors, etc.)..... dollars..	313,534	498,599	40,356	369,022	626,499	274,492	322,400	382,389
farms reporting.....	827	1,880	162	1,088	1,681	872	692	1,043
Electric light and power (paid to a power company)..... dollars..	14,207	22,816	1,148	7,057	46,899	8,557	32,550	27,964
farms reporting.....	234	304	32	103	916	138	488	258
FARM MACHINERY, FACILITIES, AND ROADS, 1930								
Farm machinery:								
Automobiles..... number..	1,494	2,392	348	2,194	3,348	1,918	1,229	1,976
farms reporting.....	1,228	2,084	313	1,890	2,823	1,719	1,030	1,770
Motor trucks..... number..	555	783	60	519	1,204	307	599	848
farms reporting.....	548	773	58	505	1,160	305	569	838
Tractors..... number..	382	637	45	355	1,117	348	657	832
farms reporting.....	368	629	44	348	1,070	339	616	814
Electric motors for farm work..... number..	315	412	4	277	852	321	433	256
farms reporting.....	163	267	4	188	551	199	303	202
Stationary gas engines..... number..	626	1,485	101	1,230	1,357	889	649	1,869
farms reporting.....	521	1,172	95	1,048	1,098	740	528	1,390
Farm facilities:								
Telephones..... farms reporting.....	893	2,078	14	1,600	2,106	1,075	860	1,420
Water piped into farmer's dwelling house..... farms reporting.....	141	334	121	634	392	393	370	193
Water piped into bathroom..... farms reporting.....	136	217	11	202	293	136	253	134
Farmer's dwelling house lighted by electricity..... farms reporting.....	298	656	51	362	1,268	342	593	405
Kind of road:								
All farms..... number..	1,403	2,436	585	2,284	3,209	2,221	1,220	1,972
Farms located on—								
Concrete road..... number..	66	1	---	53	365	23	279	38
Brick road..... number..	---	---	---	---	---	---	---	---
Asphalt road..... number..	1	---	---	---	10	3	---	1
Macadam road..... number..	11	21	---	---	24	74	26	---
Gravel road..... number..	920	698	283	298	1,896	222	846	1,488
Sand-clay road..... number..	5	18	1	89	4	69	2	5
Improved dirt road..... number..	142	556	96	1,001	265	887	13	194
Unimproved dirt road..... number..	192	1,084	174	778	516	796	32	182
All other (including not reported)..... number..	66	58	31	65	129	147	22	64
LAND OWNED AND RENTED BY PART OWNERS, 1930								
All land in farms operated by part owners..... acres..	15,790	53,628	8,534	39,733	21,421	35,980	18,107	12,729
Owned and operated by part owners..... acres..	9,069	32,482	1,944	23,734	13,215	20,719	11,269	8,267
Rented and operated by part owners..... acres..	6,721	21,146	1,590	15,999	8,206	15,261	6,838	4,462
TENANCY								
Proportion of tenancy..... 1930... per cent..	26.7	36.5	8.9	19.9	24.0	17.5	30.8	3.5
1925... per cent..	23.9	27.8	2.7	16.6	21.4	14.6	30.8	3.6
1920... per cent..	24.1	25.3	0.8	12.7	21.5	12.9	34.3	3.0
TENANTS RELATED TO LANDLORD AND CASH RENT PAID, 1930								
All tenants..... number..	374	889	23	454	769	389	376	70
Tenants related to landlord..... number..	145	395	1	187	303	124	139	36
Proportion of all tenants..... per cent..	38.8	44.4	4.3	41.2	39.4	31.9	37.0	51.4
Cash tenants..... number..	61	403	19	168	345	123	260	44
Cash tenants related to landlord..... number..	26	189	---	82	188	38	94	27
Proportion of all cash tenants..... per cent..	42.6	46.9	---	36.9	40.0	30.9	36.2	61.4
Cash tenants reporting amount of rent..... number..	61	403	19	162	343	121	260	44
Related to landlord..... number..	26	189	---	58	188	37	94	27
land in farms..... acres..	4,203	35,336	---	7,622	15,149	5,161	11,492	2,795
rent per year, total..... dollars..	11,388	146,609	---	22,946	81,727	13,769	62,502	13,201
average rent per farm..... dollars..	438	776	---	398	592	372	665	480
average rent per acre..... dollars..	2.71	4.15	---	3.01	5.39	2.67	5.44	4.72
Not related to landlord..... number..	27	188	15	79	145	85	145	12
land in farms..... acres..	3,083	33,000	439	12,616	15,591	9,795	17,990	1,002
rent per year, total..... dollars..	9,997	130,365	1,128	29,140	81,496	17,233	100,021	4,715
average rent per farm..... dollars..	370	693	75	369	562	265	690	393
average rent per acre..... dollars..	3.24	3.95	2.57	2.33	5.23	1.76	5.58	4.71
Relationship not reported..... number..	8	26	4	25	60	10	21	5
All other tenants..... number..	313	486	4	266	424	266	116	26
Other tenants related to landlord..... number..	119	206	1	125	165	86	45	9
Proportion of all other tenants..... per cent..	38.0	42.4	25.0	43.7	38.9	32.3	38.8	34.6
MOVEMENT OF FARM POPULATION, APRIL 1, 1929, TO MARCH 31, 1930								
Persons who moved—								
To farms from cities, villages, or other incorporated places..... number..	154	234	34	141	332	230	295	115
farms reporting.....	66	107	20	52	150	88	109	38
From farms to cities, villages, or other incorporated places..... number..	95	168	53	125	177	175	101	75
farms reporting.....	40	82	42	65	105	81	46	48

¹ Sold, traded, or consumed by operator's family.

MINNESOTA

COUNTIES, PRINCIPAL CITIES, AND RIVERS



STATE TABLE 1.—FARMS AND FARM PROPERTY: 1930, 1925, 1920, 1910, AND 1900
[Figures not exactly comparable because of different dates of enumeration]

ITEM (See definitions in Introduction)	1930 (April 1)	1925 (January 1)	1920 (January 1)	1910 (April 15)	1900 (June 1)
Farms, total.....	185,255	188,231	178,478	156,137	154,659
Operated by—					
Owners.....	126,570	136,382	132,744	122,104	126,509
Full owners.....	97,878	112,906	112,880	99,493	112,004
Part owners.....	28,692	23,476	19,864	22,611	14,805
Managers.....	1,047	766	1,596	1,222	1,095
Tenants.....	57,638	51,083	44,138	32,811	26,765
Cash tenants.....	23,242	14,709	11,251	17,918	15,129
Other tenants.....	34,396	36,374	28,887	24,893	21,626
Approximate land area of State.....	51,749,120	51,749,120	51,749,120	51,749,120	51,749,120
Land in farms, total.....	30,913,367	30,050,137	30,221,758	27,675,823	26,248,498
In farms operated by—					
Owners.....	19,566,732	20,185,802	21,014,164	20,668,885	20,593,966
Full owners.....	13,120,078	14,063,215	16,380,136	(¹)	17,242,095
Part owners.....	6,445,754	6,222,587	4,654,028	(¹)	3,651,871
Managers.....	307,216	224,192	443,089	413,734	486,147
Tenants.....	11,039,419	9,640,143	8,704,505	6,593,204	4,868,385
Cash tenants.....	3,549,230	2,121,977	1,480,443	(¹)	1,672,173
Other tenants.....	7,490,189	7,527,166	6,284,062	(¹)	4,196,212
Value of specified farm property:					
Land and buildings.....	2,125,093,278	2,393,741,745	3,301,168,325	1,282,441,426	669,522,315
Land, excluding buildings.....	1,453,659,897	1,796,599,840	2,750,328,432	1,019,102,027	559,301,900
Buildings.....	671,133,381	597,141,905	550,839,893	243,339,399	110,220,415
Implements and machinery.....	181,767,478	137,965,971	181,087,968	52,329,165	30,093,230
Specified kinds of livestock:					
Horses.....	805,093	834,680	932,794	753,184	696,469
Mules.....	15,216	12,601	10,238	5,775	8,339
Cattle.....	3,156,181	2,853,465	3,021,469	2,347,435	1,871,325
Milk cows.....	1,442,031	1,311,879	1,229,179	870,590	753,632
Swine.....	8,315,466	2,715,074	2,380,862	1,520,257	1,440,806
Chickens ⁴	16,611,573	16,408,080	13,212,619	10,293,843	7,730,940

¹ Includes renters paying a fixed quantity of products ("standing renters" prior to 1925).³ Over 3 months old, 1930, 1910, and 1900.² Figures not available.⁴ Includes guinea fowls.

STATE TABLE 2.—SPECIFIED CROPS AND VEGETABLES HARVESTED FOR SALE; AND CHICKEN EGGS AND CHICKENS: 1929, 1924, 1919, 1909, AND 1899

ITEM (See definitions in Introduction)	1929	1924	1919	1909	1899
Specified crops:					
Corn harvested for grain.....	2,892,645	2,657,689	2,380,838	2,004,068	1,441,580
bushels.....	104,419,048	70,415,687	84,786,096	67,897,051	47,256,929
Wheat threshed.....	1,314,767	1,043,682	3,793,402	3,276,911	6,560,707
bushels.....	19,760,092	36,513,521	37,616,384	57,094,412	95,278,660
Oats threshed for grain.....	3,698,268	4,546,661	3,429,079	2,977,258	2,201,325
bushels.....	126,221,063	189,071,696	89,108,151	93,897,717	74,054,150
Barley threshed.....	2,001,449	915,472	814,381	1,573,701	877,845
bushels.....	47,639,628	27,805,776	14,849,069	34,927,773	24,314,240
Rye threshed.....	411,594	608,158	649,609	266,567	118,569
bushels.....	6,642,976	12,241,327	8,362,940	4,426,028	1,866,150
Flax threshed.....	511,792	683,270	288,240	358,426	566,801
bushels.....	4,568,927	7,478,974	2,019,404	3,277,238	5,895,479
Hay.....	4,526,298	4,349,258	4,119,696	3,823,895	3,110,839
tons.....	5,549,722	4,640,905	5,665,616	5,631,168	4,226,828
Sugar beets, for sugar.....	33,175	26,115	3,509	2,197	2,114
tons of beets.....	271,975	223,126	25,507	23,756	115,969
Potatoes (Irish or white).....	329,598	326,273	331,930	223,692	146,659
bushels.....	25,416,966	36,384,534	26,690,056	26,802,048	14,643,327
Specified vegetables harvested for sale: ¹					
Asparagus.....	588	(²)	203	149	54
value of crop.....dollars	92,534	(²)	41,989	17,685	(²)
Beans (snap or string) ⁴	956	(²)	210	97	20
value of crop.....dollars	70,156	(²)	33,045	4,532	(²)
Cabbages.....	4,635	3,848	3,372	2,315	1,759
value of crop.....dollars	485,761	(²)	442,985	128,430	(²)
Cantaloupes and muskmelons.....	1,262	1,208	406	453	813
value of crop.....dollars	155,963	(²)	82,107	41,913	(²)
Carrots.....	401	(²)	117	56	88
value of crop.....dollars	66,927	(²)	25,431	3,578	(²)
Celery.....	274	(²)	80	55	61
value of crop.....dollars	137,020	(²)	44,576	25,715	(²)
Corn, sweet.....	37,910	20,706	4,853	2,829	2,633
value of crop.....dollars	1,141,074	(²)	250,955	62,387	(²)
Cucumbers.....	1,568	(²)	784	1,190	494
value of crop.....dollars	140,013	(²)	134,717	59,512	(²)
Onions (dry).....	2,784	2,299	1,734	1,099	923
value of crop.....dollars	557,718	(²)	609,385	182,069	130,494
Peas (green).....	10,389	(²)	448	316	94
value of crop.....dollars	370,297	(²)	34,223	13,304	(²)
Tomatoes.....	1,268	1,004	730	499	701
value of crop.....dollars	237,520	(²)	180,470	62,631	(²)
Chicken eggs and chickens:					
Eggs produced ⁵	107,304,447	76,321,570	60,249,543	53,323,702	43,203,130
dozens.....	79,192,041	(²)	37,639,899	34,347,776	(²)
Eggs sold.....	28,978,770	20,352,255	15,062,386	11,412,001	(²)
number.....	11,984,788	(²)	5,022,749	3,704,433	(²)
Chickens raised ⁶					
number.....					

¹ Tons sold.² The data for 1909 are not comparable with other years; they include figures only for farms reporting 1 acre or more of vegetables raised for sale or for home use.³ Not reported.⁴ Including green Lima beans prior to 1929.⁵ Muskmelons.⁶ Including estimates for incomplete reports.⁷ Poultry eggs.⁸ Poultry of all kinds.

STATE TABLE 3.—TENANCY, VALUE OF FARM PROPERTY, FARM MORTGAGE DEBT, AND SPECIFIED KINDS OF LIVESTOCK: 1930, 1925, 1920, 1910, AND 1900

ITEM (See definitions in Introduction)	1930 (April 1)	1925 (January 1)	1920 (January 1)	1910 (April 15)	1900 (June 1)
Tenancy:					
All farms.....number.....	185,255	188,231	178,478	156,137	154,059
Proportion of all farms operated by tenants.....per cent.....	31.1	27.1	24.7	21.0	17.3
Value of farm property:					
Land and buildings.....dollars.....	2,608,123,909	2,761,084,227	3,787,420,118	1,476,411,737	788,684,642
Implements and machinery.....dollars.....	2,125,093,278	2,393,741,745	3,301,168,325	1,262,441,426	609,622,315
Domestic animals, chickens, and bees ¹.....dollars.....	181,787,478	137,965,971	181,087,968	52,329,165	30,089,230
	301,263,153	229,976,511	305,163,825	161,641,146	89,063,097
Farm mortgage debt:					
All farms operated by owners.....number.....	126,570	130,382	132,744	122,104	125,405
Free from mortgage debt.....number.....	53,830	(²)	54,086	65,038	66,922
Mortgaged.....number.....	68,070	66,319	69,545	56,145	54,338
Proportion of farms mortgaged.....per cent.....	53.8	48.6	52.4	46.0	43.3
No mortgage report.....number.....	4,670	(²)	9,113	921	4,145
Farms operated by full owners.....number.....	97,878	112,906	112,880	90,498	(³)
Mortgaged (amount of debt reported).....number.....	49,667	52,184	57,585	41,775	(³)
.....acres.....	7,123,001	7,548,504	(³)	(³)	(³)
Value of land and buildings.....dollars.....	526,963,778	612,423,182	925,963,060	295,015,775	(³)
Amount of mortgage debt.....dollars.....	235,114,123	267,026,995	254,475,222	77,866,283	(³)
Ratio of debt to value.....per cent.....	44.62	43.60	27.48	26.39	(³)
Average per mortgaged farm—					
Value of land and buildings.....dollars.....	10,610	11,736	16,080	7,062	(³)
Amount of mortgage debt.....dollars.....	4,734	5,117	4,419	1,864	(³)
Specified kinds of livestock:					
Sheep and lambs.....number.....	927,098	378,972	509,064	637,582	689,878
Goats and kids.....number.....	6,209	2,082	2,745	4,588	3,821
Asses and burros.....number.....	153	(³)	201	219	161
Bees (hives).....number.....	59,330	(³)	67,344	56,677	45,877

¹ "All livestock," prior to 1930.

² Farm homes occupied by their owners.

³ Not reported.

STATE TABLE 4.—COOPERATIVE MARKETING; AND SPECIFIED FARM EXPENDITURES, CROPS, AND LIVESTOCK PRODUCTS: 1929, 1924, 1919, 1909, AND 1899

ITEM (See definitions in Introduction)	1929	1924	1919	1909	1899
Cooperative marketing:					
Value of farm products sold.....dollars.....	105,965,686	73,260,576	82,760,459	(¹)	(¹)
Value of farm supplies purchased.....dollars.....	6,414,232	3,843,614	6,642,162	(¹)	(¹)
Specified farm expenditures:					
Feed (hay, grain, mill feed, etc., "not raised on this farm").....dollars.....	19,678,966	14,638,502	22,940,650	5,041,925	(¹)
Fertilizer (including commercial fertilizer, manure, marl, lime, and ground limestone).....dollars.....	714,055	458,944	432,680	74,653	251,120
Farm labor, exclusive of housework (cash).....dollars.....	27,626,878	27,463,229	36,450,774	16,678,777	16,667,820
Specified crops:					
Buckwheat threshed.....acres.....	57,848	55,421	26,022	10,309	6,700
Emmer and spelt threshed.....bushels.....	516,121	619,658	321,688	144,861	82,687
.....acres.....	20,837	(¹)	8,896	30,891	(¹)
.....bushels.....	483,726	(¹)	178,008	767,339	(¹)
Tobacco.....acres.....	1,295	656	455	150	117
.....pounds.....	1,631,035	644,150	517,605	173,321	127,730
Apples.....trees not of bearing age.....number.....	242,445	354,197	637,187	1,571,816	(¹)
.....trees of bearing age.....number.....	1,212,922	1,370,059	1,596,284	1,380,396	875,905
.....bushels harvested.....	905,409	745,214	1,028,478	1,044,156	120,143
Plums and prunes.....trees not of bearing age.....number.....	66,273	320,380	102,929	167,926	(¹)
.....trees of bearing age.....number.....	224,974	(¹)	193,638	233,736	191,313
.....bushels harvested.....	72,431	(¹)	24,337	10,920	21,820
Grapes.....vines not of bearing age.....number.....	34,237	121,783	11,563	35,950	(¹)
.....vines of bearing age.....number.....	105,941	(¹)	36,315	61,916	138,175
.....pounds harvested.....	597,895	(¹)	141,278	293,805	573,272
Blackberries and dewberries.....acres.....	94	(¹)	173	145	162
.....quarts.....	49,280	(¹)	181,183	139,741	192,010
Currants.....acres.....	162	(¹)	247	200	259
.....quarts.....	111,341	(¹)	208,563	182,825	311,950
Raspberries.....acres.....	3,122	(¹)	1,554	1,388	1,115
.....quarts.....	3,223,724	(¹)	1,616,041	1,340,469	1,252,930
Strawberries.....acres.....	2,374	2,465	2,768	1,873	1,302
.....quarts.....	2,427,897	(¹)	4,111,969	2,730,099	2,506,020
Specified livestock products:					
Dairy products:					
Milk produced ⁴.....gallons.....	825,441,483	663,638,164	475,506,689	409,191,276	304,017,106
Whole milk sold.....gallons.....	95,757,058	50,823,940	43,151,806	53,181,785	103,768,172
Butter churned on farms.....pounds.....	10,246,236	16,825,069	20,205,076	34,708,669	41,188,846
Butter sold.....pounds.....	1,153,898	(¹)	4,392,185	18,016,409	22,376,084
Cream sold as butterfat.....pounds.....	198,797,718	156,397,756	82,412,061	40,414,151	(¹)
Cream sold not as butterfat.....gallons.....	1,121,565	2,432,800	5,888,538	5,768,165	1,205,845
Wool:					
Sheep and lambs shorn ⁴.....number.....	579,725	299,510	413,908	453,583	376,009
Wool shorn ⁴ (unwashed).....pounds.....	4,561,546	2,346,777	3,054,884	3,259,282	2,612,737
Mohair:					
Angora goats and kids clipped.....number.....	1,820	875	879	1,952	1,350
Mohair and kid hair clipped (unwashed).....pounds.....	6,693	3,206	2,056	6,929	556
Honey produced.....pounds.....	3,186,481	(¹)	1,251,102	976,262	986,446

¹ Not reported.

² Includes value of board.

³ Includes loganberries.

⁴ Including estimates for incomplete reports.

⁵ Fleeces.

COUNTY TABLE I.—FARMS AND FARM ACREAGE, 1930, 1925, AND 1920, AND CROP LAND HARVESTED, 1929 AND 1924, BY COLOR AND BY TENURE OF FARM OPERATOR—Continued

Table with columns for County (Traverse, Wabasha, Wadena, Waseca, Wash-ington, Waton-wan, Wilkin, Winona, Wright, Yellow Medicine) and rows for Farms and Farm Operators (number, color), Farm Acreage and Land Area (approximate, all land, of white operators, of colored operators), Average size of farm, Farm land according to use (Crop land, Pasture land, Woodland, All other land), and Farms and Farm Acreage by Tenure (Full owners, Part owners, Managers, Tenants, Cash tenants, Other tenants).

1 "White" includes Mexicans and "Colored" includes Negroes, Indians, Chinese, Japanese, and all other nonwhite races.

MACHINERY, 1930, 1925, AND 1920, BY COLOR AND BY TENURE OF FARM OPERATOR—Continued

Table with 12 columns: McLeod, Mahnommen, Marshall, Martin, Meeker, Mille Lacs, Morrison, Mower, Murray, Nicollet, Nobles, Norman. Rows contain numerical data for machinery values.

Table with 12 columns: Ramsey, Red Lake, Redwood, Renville, Rice, Rock, Roseau, St. Louis, Scott, Sherburne, Sibley, Stearns. Rows contain numerical data for machinery values.

AGRICULTURE—MINNESOTA

COUNTY TABLE III.—VALUE OF FARM LAND AND BUILDINGS, AND IMPLEMENTS AND MACHINERY, 1930, 1925, AND 1920, BY COLOR AND BY TENURE OF FARM OPERATOR—Continued

ITEM (See definitions in Introduction)		Steele	Stevens	Swift	Todd	Traverse	Wabasha	Wadena		
1	Value of land and buildings, total.....	1930.....dollars	24,665,968	18,035,102	26,020,219	28,892,807	16,226,310	24,875,894	8,744,497	
2		1925.....dollars	28,657,304	24,345,981	30,530,870	31,248,469	20,564,614	25,709,000	8,769,396	
3		1920.....dollars	35,524,719	32,895,355	44,494,844	38,950,850	30,893,239	35,679,165	12,194,155	
4	Land (excluding buildings).....	1930.....dollars	14,926,859	13,233,652	19,292,334	17,880,898	11,887,213	15,821,093	5,705,631	
5		1925.....dollars	19,450,931	20,433,056	24,373,865	21,859,734	17,161,454	18,107,245	6,297,786	
6		1920.....dollars	27,912,114	28,960,240	38,920,239	30,628,770	27,191,274	27,852,985	9,813,750	
7	Buildings (including dwellings).....	1930.....dollars	9,739,109	4,801,450	6,736,885	11,011,909	4,339,067	9,054,796	3,038,816	
8		1925.....dollars	9,206,373	3,912,925	6,217,005	9,388,735	3,403,160	7,601,755	2,471,520	
9		1920.....dollars	7,612,605	3,935,115	5,574,605	8,422,080	3,701,965	7,826,180	2,870,450	
10	Farmers' dwellings.....	1930.....dollars	4,196,891	2,226,820	3,196,215	5,334,565	2,025,625	3,810,260	1,456,310	
11	Farms reporting.....	1930.....number	1,866	1,210	1,767	3,617	1,026	1,721	1,393	
12	Average values:									
13	Land and buildings, per farm.....	1930.....dollars	12,813	13,959	14,116	7,803	14,631	13,960	6,224	
14		1925.....dollars	14,350	18,742	17,621	8,765	21,092	14,204	6,684	
15		1920.....dollars	19,099	28,285	24,983	11,062	20,849	19,486	9,196	
16	Land and buildings, per acre.....	1930.....dollars	93.77	53.41	58.21	67.35	49.97	78.23	38.94	
17		1925.....dollars	108.53	73.01	71.72	65.78	70.81	82.49	44.51	
		1920.....dollars	137.05	104.10	99.37	82.01	96.24	112.28	59.05	
18	Value of implements and machinery.....	1930.....dollars	2,327,142	1,722,882	2,218,693	2,856,089	1,582,788	2,570,403	747,004	
19		1925.....dollars	1,918,205	1,124,858	1,619,780	1,882,274	1,138,628	1,913,953	459,091	
20		1920.....dollars	2,072,990	1,564,859	2,202,673	2,454,377	1,705,203	2,190,896	748,372	
21	Value, by color of farm operator:									
22	Land and buildings.....	White ¹	1930.....dollars	24,665,968	18,035,102	26,020,219	28,887,757	16,226,310	24,875,894	8,744,497
23		Colored ¹	1930.....dollars	35,524,719	32,895,355	44,494,844	38,947,430	30,893,239	35,679,165	12,194,155
24		Colored ¹	1920.....dollars				5,050			
							3,420			4,000
25	Values, by tenure of farm operator:									
26	Land and buildings—									
27	Full owners.....	1930.....dollars	13,570,620	4,305,125	9,015,464	16,466,463	3,911,570	12,259,013	4,212,372	
28		1925.....dollars	17,349,357	6,911,051	10,547,202	20,466,069	5,731,401	13,609,970	5,005,521	
29		1920.....dollars	2,812,178	4,812,100	6,214,815	5,120,191	3,756,000	3,787,201	1,919,780	
30	Part owners.....	1930.....dollars	2,968,202	4,949,595	7,542,235	4,024,255	8,240,245	3,407,375	1,734,020	
31		1925.....dollars	723,610	95,567	21,800	84,600	91,100	204,100	9,600	
32		1920.....dollars	159,150	18,000	71,500	93,250	59,800	128,700	8,000	
33	Managers.....	1930.....dollars	7,569,560	8,822,310	10,777,140	7,231,553	8,468,560	8,625,580	2,602,745	
34		1925.....dollars	8,150,595	12,467,335	12,129,873	6,664,895	11,633,168	8,562,955	2,021,765	
35		1920.....dollars	3,495,955	1,338,945	1,638,768	3,699,028	593,370	3,149,200	933,365	
36	Tenants.....	1930.....dollars	2,981,770	1,096,685	1,875,350	2,238,825	322,850	2,349,195	360,210	
37		1925.....dollars	4,063,605	7,483,365	9,238,372	3,682,625	7,875,180	5,476,380	1,669,350	
38		1920.....dollars	5,168,525	11,370,650	10,754,623	4,426,070	11,210,818	6,213,760	1,661,555	
39	Implements and machinery—									
40	Full owners.....	1930.....dollars	1,319,513	433,740	815,482	1,747,267	410,430	1,302,319	390,709	
41		1925.....dollars	274,445	481,292	544,496	523,069	383,981	389,850	106,496	
42		1920.....dollars	45,652	17,081	2,350	3,700	7,900	14,400	1,000	
43	Part owners.....	1930.....dollars	687,532	790,769	856,365	582,653	781,075	863,934	188,759	
44		1925.....dollars	317,572	145,420	127,440	819,139	56,425	336,215	68,695	
45		1920.....dollars	369,960	645,349	728,925	263,514	724,650	527,719	120,104	

¹ "White" includes Mexicans and "Colored" includes Negroes, Indians, Chinese, Japanese, and all other nonwhite races.

COUNTY TABLE IV.—HORSES, MULES, CATTLE, AND SWINE ON FARMS, 1930, 1925, AND

[Other classes of livestock and livestock

Table with columns: ITEM (See definitions in Introduction), Grant, Hennepin, Houston, Hubbard, Isanti, Itasca. Rows include Domestic Animals (Horses, Mules, Cattle, Swine) and Chickens and Chicken Eggs.

1 Including estimates for incomplete reports.

COUNTY TABLE IV.—HORSES, MULES, CATTLE, AND SWINE ON FARMS, 1930, 1925, AND

[Other classes of livestock and livestock

Table with columns: ITEM (See definitions in Introduction), Martin, Meeker, Mille Lacs, Morrison, Mower, Murray, Nicolet. Rows include DOMESTIC ANIMALS (Horses, Mules, Cattle, Swine) and CHICKENS AND CHICKEN EGGS, with specific sub-rows for birth dates and reporting periods.

1 Including estimates for incomplete reports.

COUNTY TABLE V.—ACREAGE OF GRAIN AND FORAGE CROPS, HAY CROPS, SUGAR BEETS, AND

[Additional crops are shown]

Table with columns for ITEM (See definitions in Introduction), Faribault, Fillmore, Freeborn, Goodhue, Grant, Hennepin, and Houston. Rows include Grain and forage crops (Corn, Wheat, Oats, Barley, Rye, Flax), Hay crops (Timothy, Clovers, Alfalfa, Grasses), and Other field crops (Sugar beets, Potatoes).

1 Not exactly comparable, see text, p. 5.

2 Less than 1 acre

3 See text, "Hay," p. 5

POTATOES, 1929, 1924, AND 1919, WITH PRODUCTION AND NUMBER OF FARMS REPORTING, 1929--Continued in Tables VI, VII, and VIII]

Table with columns for county names (Hubbard, Isanti, Itasca, Jackson, Kanabec, Kandiyohi, Kittson, Koocling, Lac qui Parle, Lake, Lake of the Woods, Le Sueur, Lincoln, Lyon, McLeod) and rows of numerical data representing production and number of farms for the years 1929, 1924, and 1919.

COUNTY TABLE V.—ACREAGE OF GRAIN AND FORAGE CROPS, HAY CROPS, SUGAR BEETS, AND

[Additional crops are shown

Table with 8 columns: ITEM (See definitions in Introduction), Mahanomen, Marshall, Martin, Meeker, Mille Lacs, Morrison, and Mower. Rows include various crop types like Grain and forage crops, Hay crops, and Other field crops with detailed sub-categories and years.

1 Not exactly comparable, see text, p. 5.

2 See text, "Hay," p. 5

POTATOES, 1929, 1924, AND 1919, WITH PRODUCTION AND NUMBER OF FARMS REPORTING, 1929—Continued in Tables VI, VII, and VIII

Table with 17 columns (Murray, Nicollet, Nobles, Norman, Olmsted, Otter Tail, Pennington, Pine, Pipestone, Polk, Pope, Ramsey, Red Lake, Redwood, Renville) and multiple rows of numerical data representing potato production and farm counts for various years.

AGRICULTURE—MINNESOTA

VALUE, AND NUMBER OF FARMS REPORTING, 1929; AND ACREAGE, 1919

Additional crops are shown in Tables V, VII, and VIII]

Carver	Cass	Chip-pewa	Chisago	Clay	Clear-water	Cook	Cotton-wood	Crow Wing	Dakota	Dodge	Douglas	Fair-bault	Fillmore	Free-born	Good-hue
1, 014 63, 261 490	84 6, 136 135	513 15, 287 105	127 10, 234 31	324 38, 999 92	16 1, 415 10	8 936 5	4 514 5	147 9, 307 70	2, 262 204, 389 1, 295	2, 204 97, 347 152	58 7, 523 58	7, 817 235, 221 15	84 3, 367 29	1, 699 362, 351 12	419 29, 179 274
(²) 30 2	3 228 3	1 130 3	(²) 97 3	6 1, 302 13				(²) 28 2	11 988 14	1 100 1	(²) 75 3	1 230 2	1 125 3	3 604 7	3 557 8
1 130 9 15	3 319 17 2	2 198 4	17 516 11	7 617 11 1	1 142 3 5	(²) 27 2 2		6 294 15 1	92 8, 111 114 20	1 62 4	10 734 19 1	2 212 5	1 72 5	8 469 11	6 421 17 1
									275 6 4 727			250 7, 500 1			
									727 25 1 3					5 420 1	
59 6, 529 32 12 1	1 10 683 23 8 1 15 1	1 195 4 1 120 8	5 600 10 2 2	51 5, 808 17 17 2 320 2	1 80 5 1	1 178 2 2		19 1, 612 32 14 1 50 1 1	158 15, 274 134 164 132 13, 094 105 43	161 13, 447 72 65 3 500 1		1 284 5 3	4 257 10 2 1 2	104 14, 703 77 8 2 252 3	54 5, 114 42 18 6 23 24 9 8
									162 21 4 1 1		(²) 31 6 1			105 21, 405 84	
(²) 25 1									150 1 7 2						1
2 505 2 1 1		(²) 50 1		1 175 6		1 80 1			2, 070 3 3					49 32, 495 14	1
1, 540 54, 476 239 404 5 584 21 9 62 7	11 409 18 13 14 693 30 80 1 118 8	492 12, 419 29 99 (²) 83 66 4 (²) 51 2	3 235 13 1 83 6, 727 119 5	53 1, 546 19 44 2 334 14 2 3 8 2	1 20 2 2 1 50 1 2	(²) 37 2 2 (²) 25 1 3 3 109 4		32 1, 070 35 25 2 116 188 5 2 3 109 4	983 38, 500 171 373 2 116 14, 036 169 2 32 33 5, 620 40 14	1, 143 21, 061 112 (²) 57 2 10 37 29 4	10 780 13 31 1 10 260 3 1	60 1, 546 31 12 2 161 6	250 7, 060 17 1 5 687 13	259 7, 032 41 198 5 854 19 1 205 7 1 1, 111 274, 318 247 1	2 5 4 45 44 19 46 47 48 49 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101
									50 1				(²) 20 1		
1 129 9 31 1 150 1	2 171 10 2	1 53 2	1 54 4	2 523 11 1	(²) 25 1			5 210 8 3	1 9, 480 103 23 7	681 26, 682 69	2 443 8 1	897 28, 287 42		6 1, 524 7	2 725 14 2
									1, 094 10 23 1 300 1 1 2 20 4, 000 1						
		(²) 25 1		3 347 8					39 4, 549 44 3 2		1 135 2				2 255 3
									1 105 3 3 2	(²) 25 1				(²) 46 3	
2 184 11 2	4 525 13 6	3 347 14 2	2 205 11 3 3	12 2, 711 16 4		(²) 25 1 1 7 650 2		13 1, 131 21 3	194 26, 653 190 125	1 232 6	2 556 3 2	1 233 5 5	2 159 13	6 1, 212 10 1	22 2, 212 8 8
									25 1 2						
1 146 5 2	4 410 2 1		2 151 5 2	(²) 25 1				1 77 3 4	15 1, 212 19 2			1 30 1 1	1 329 8 2		10 1, 194 8
									26 22, 607 60 56	3 460 5	3 634 5 1	5 890 2	1 85 4	36 5, 699 16 1	30 5, 889 14 1
1 75 2	9 970 3	3 318	4 460 12		1 47 3 1	3 281 7	(²) 30 2	27 1, 268 6	5 500 3	21 1, 235	4 309		4 310	9 1, 457	2 105 4

² Not including white potatoes or sweetpotatoes and yams.

AGRICULTURE—MINNESOTA

843

AND NUMBER OF FARMS REPORTING, 1929; AND ACREAGE, 1919—Continued

Additional crops are shown in Tables V, VII, and VIII]

Table with columns for counties (Koochi-ching, Lac qui Parle, Lake, Lake of the Woods, Le Sueur, Lincoln, Lyon, McLeod, Mahanomen, Marshall, Martin, Meeker, Mille Lacs, Morrison, Mower, Murray) and rows representing data points (likely farms and acreage) with values ranging from 1 to 101.

* Not including white potatoes or sweet potatoes and yams.

COUNTY TABLE VI.—VEGETABLES HARVESTED FOR SALE—ACREAGE, VALUE,
[This table does not include vegetables grown under glass.]

ITEM (See definitions in Introduction)		Nicollet	Nobles	Norman	Olmsted	Otter Tail	Pen- nington	Pine	Pipe- stone	Polk	Pope
VEGETABLES HARVESTED FOR SALE											
Total	1929 value of crop.....	1,502	9	20	1,757	376	12	157	26	337	30
	1919 value of crop.....	49,457	1,005	675	55,554	23,311	1,536	10,164	3,344	44,479	3,315
	1919.....	19	7	3	130	118	1	54	2	107	10
Asparagus	1929.....				6	4	(?)	1	1		
	1919 value of crop.....				1,063	553	40	100	230		
	1919 farms reporting.....				11	4	1	1	3		
Beans (snap or string)	1929.....		(?)	12	6	30	3	11	(?)	48	8
	1919 value of crop.....		25	493	532	1,192	341	346	55	3,405	888
	1919 farms reporting.....		1	12	12	37	11	15	2	45	8
	1919 (green beans).....	1		1	4	1				4	
Beans, Lima (green)	1929.....							(?)			
	1919 value of crop.....							96			
	1919 farms reporting.....							1			
Beets	1929.....					2					
	1919 value of crop.....					310					
	1919 farms reporting.....					3					
Cabbages	1929.....	(?)	1		48	24	2	29	1	56	3
	1919 value of crop.....	23	75		3,749	3,599	329	2,268	136	7,391	370
	1919 farms reporting.....	4	2		29	69	7	34	4	69	7
Cantaloupes and muskmelons	1929.....	3	3	1	52	14	1	27		41	1
	1919 value of crop.....	734	300		140	287					
	1919 farms reporting.....	6	2		3	5					
Carrots	1929.....	(?)			7	1		1			1
	1919 value of crop.....	79			59	94		73		485	90
	1919 farms reporting.....	2			6	4		4		28	3
Cauliflower	1929.....					1					
	1919 value of crop.....					92					
	1919 farms reporting.....					1					
Celery	1929.....				1	1			(?)		
	1919 value of crop.....				114	50			50		
	1919 farms reporting.....				1	2			2		
Corn, sweet	1929.....	891	1	1	1,239	20	1	10	2	31	6
	1919 value of crop.....	20,865	95	35	24,101	733	85	339	80	2,244	369
	1919 farms reporting.....	24	3	9	180	58	2	17	3	50	12
Cucumbers	1929.....	6	1		37	61		3	1	10	6
	1919 value of crop.....	1	1		6	243	(?)	25	1	14	4
	1919 farms reporting.....	143	50		1,180	11,919	31	1,754	97	1,407	745
	1919 (green beans).....	8	1		15	331	4	48	2	45	5
Lettuce	1929.....		(?)		4	23		6		7	
	1919 value of crop.....		25		553	159			(?)	32	3
	1919 farms reporting.....		1		8	6			3	320	14
Onions (dry)	1929.....	1	2	5	13	9	2	2	2	109	2
	1919 value of crop.....	355	250	81	2,415	882	318	374	208	17,793	236
	1919 farms reporting.....	2	2	11	24	37	6	12	4	72	9
Onions (green)	1929.....	2		1	4	4		4		(?)	
	1919 value of crop.....									50	
	1919 farms reporting.....									1	
Peas (green)	1929.....	554	(?)		396	7	1	1	(?)	6	2
	1919 value of crop.....	14,776	20		15,730	716	45	70	50	698	239
	1919 farms reporting.....	32	1		75	19	4	5	3	34	5
Peppers (including pimentos)	1929.....				2	1				3	
Radishes	1929.....										
Rhubarb	1929.....										
Spinach	1929.....				6	(?)					1
	1919 value of crop.....				634	34				115	
	1919 farms reporting.....				8	2				6	
Squashes	1929.....				(?)						1
	1919 value of crop.....				25					75	
	1919 farms reporting.....				2					1	
Tomatoes	1929.....	1	(?)	1	13	13		2	1	18	3
	1919 value of crop.....	75	50	48	3,475	1,396		180	106	3,310	316
	1919 farms reporting.....	5	1	11	28	47		7	5	60	11
Turnips	1929.....	3	1		6	4		2		7	2
Watermelons	1929.....	15	1		7	1			1	(?)	
	1919 value of crop.....	1,507	115		340	236			121	28	
	1919 farms reporting.....	5	2		11	7			1	3	
	1919.....	2			12	1		1			
Mixed vegetables	1929.....	32		1	11	7	1	21	17	41	1
	1919 value of crop.....	10,900		18	994	658	70	2,266	2,179	6,536	62
	1919 farms reporting.....	3		6	8	6	2	7	5	27	2
	1919.....		2		1					3	
Other vegetables¹	1929.....				1	8	2	54		5	
	1919 value of crop.....				450	401	277	2,298		622	
	1919.....				1	2		10		1	

¹ Where less than 1 acre was grown in a county in 1919, no acreage is shown for that year.

² Less than 1 acre.

COUNTY TABLE VII.—SPECIFIED CROPS, SWEETCLOVER FOR PASTURE, FARM GARDENS,
[Additional crops are shown]

ITEM (See definitions in Introduction)		Brown	Carlton	Carver	Cass	Chippewa	Chisago	Clay	Clearwater	
CROPS, 1929										
Annual legumes:										
1	Soybeans, for all purposes.....	farms reporting.....	6	4	14	5	15	14	15	8
2		grown alone.....acres..	31	14	65	30	118	59	84	50
3		grown with other crops.....acres..	5		10			9		8
4		bushels.....	12	100	20		25	75		
5	Cowpeas, for all purposes.....	farms reporting.....								
6		grown alone.....acres..								
7		grown with other crops.....acres..								
8		bushels.....								
9	Canada, marrowfat, Scotch, and other ripe field peas ¹	farms reporting.....		2				4		
10		grown alone.....acres..		1				10		
11		grown with other crops.....acres..						5		
12		bushels.....		2				205		
13	Navy, pinto, kidney, Lima, and other ripe field beans ²	farms reporting.....			58	7	31	5	5	5
14		grown alone.....acres..			39	5	51	34	3	3
15		grown with other crops.....acres..			1	1	12	1	1	1
16		bushels.....			360	40	569	238		8
Other field crops:										
17	Buckwheat threshed.....	acres.....	192	15	9	202	411	36	252	43
18		bushels.....	3,005	119	84	1,121	3,838	513	1,333	452
19		farms reporting.....	28	7	2	36	40	5	22	9
20	Sweetpotatoes and yams.....	acres.....								
21		farms reporting.....								
22		bushels.....								
23	Sweet sorghum, or sorgo, harvested for sirup.....	acres.....	10		160			1		
24		gallons.....	1,517		9,647			30		
25		farms reporting.....	49		24			1		
26	Tobacco.....	acres.....								
27		farms reporting.....								
28		pounds.....								
29	Broomcorn.....	acres.....								
30		pounds.....								
31		farms reporting.....								
32	Emmer and spelt threshed.....	acres.....	128	15	93	42	39	2	2,420	23
33		bushels.....	4,242	246	4,429	424	970	24	38,180	380
34		farms reporting.....	29	4	18	10	4	1	108	4
35	Medicinal crops.....	acres.....								
36		pounds.....								
37		farms reporting.....								
38	Sorghums harvested for grain.....	acres.....								
39		bushels.....								
40		farms reporting.....								
41	Sorghums cut for silage, hay, or fodder.....	acres.....			17	1		2	29	
42		tons.....			36	1		12	30	
43		farms reporting.....			5	1		1	5	
44	Pop corn.....	acres.....	2					3		
45		bushels.....	40					50		
46		farms reporting.....	2					1		
47	Mixed grains not separated in harvesting.....	acres.....	13,438	1,176	6,607	2,020	7,011	10,928	2,016	1,360
48		bushels.....	490,494	38,583	359,660	33,197	252,857	411,678	38,773	37,601
49		farms reporting.....	506	198	526	128	221	766	71	112
50	Root crops for forage.....	acres.....		185	5	20	1	1	1	19
51		tons.....		1,053	45	271	10	10		55
52		farms reporting.....		246	18	24	1	1		12
53	Crops grazed or hogged off ³	acres.....				10	36			
54		farms reporting.....				1	5			
55	All other crops.....	acres.....		11	39	33				
Grass seeds:										
56	Clover seeds (all kinds).....	acres.....	810	197	37	1,763	204	883	3,319	6,398
57		bushels.....	1,131	276	90	2,295	425	1,057	12,079	11,867
58		farms reporting.....	90	17	6	146	20	155	149	528
59	Alfalfa seed.....	acres.....	95		48	197	25	74	982	228
60		bushels.....	88		47	179	35	66	1,734	476
61		farms reporting.....	18		16	43	9	21	105	70
62	Timothy seed.....	acres.....	53	20	10	100	51	22	68	2,298
63		bushels.....	141	35	18	150	72	59	67	7,779
64		farms reporting.....	15	3	6	12	4	9	5	44
Other seeds:										
65	Millet seed.....	acres.....	7	2				1		
66		bushels.....	120	27				16		
67		farms reporting.....	2	1				1		
68	Sweetclover for pasture.....	acres.....	1,371	95	102	103	2,392	103	3,987	103
69		farms reporting.....	135	18	19	8	186	17	227	16
70	Farm garden vegetables grown for home use only.....	farms reporting.....	1,349	1,148	1,588	1,483	1,273	1,600	373	945
Maple products:										
71	Maple sirup.....	gallons.....				188		368		4
72		farms reporting.....				9		13		1
73	Maple sugar.....	pounds.....				2,500				
74		farms reporting.....				6				
FOREST PRODUCTS, 1929										
Forest products, cut on farms, for home use and for sale:										
75	Saw logs and veneer logs.....	thousands of board feet.....	1,022	531	2,916	7,085		1,188	4	1,641
76		farms reporting.....	160	78	266	211		207	3	195
77	Firewood.....	cords.....	9,259	16,301	17,782	25,394	2,564	22,071	3,610	19,997
78		farms reporting.....	1,168	1,284	1,492	1,449	439	1,469	255	1,044
79	Pulpwood.....	cords.....	20	1,015	814	2,016		176	60	5,595
80		farms reporting.....		57	22	107		10	4	177
81	Fence posts.....	number.....	13,391	12,430	60,039	61,548	1,695	138,467	19,504	46,616
82		farms reporting.....	123	75	678	303	14	840	88	222
83	Railroad ties.....	number.....		2,679	320	2,543		50	75	458
84		farms reporting.....		15	2	19		1	1	8
85	Poles and piling.....	number.....	83	167	360	3,235	50	325	30	5,388
86		farms reporting.....	2	5	2	25	1	4	2	7
NURSERIES AND GREENHOUSES, 1929										
Nurseries, greenhouses, hothouses, etc., reporting—										
87	Receipts from sales of trees, plants, vines, etc., in nurseries; flower and vegetable seeds; and bulbs.....	farms reporting.....		2	1	4		1	5	1
88	Receipts from sales of flowers, plants, and vegetables grown under-glass, and flowers grown in the open.....	farms reporting.....				1			2	

¹ Not including cowpeas.

² Not including soybeans or velvetbeans.

MAPLE AND FOREST PRODUCTS, AND NURSERIES AND GREENHOUSES, 1929—Continued
in Tables V, VI, and VIIIJ

Cook	Cotton-wood	Crow Wing	Dakota	Dodge	Douglas	Fari-bault	Fill-more	Free-born	Goodhue	Grant	Henne-pia	Houston	Hu-bard	Isanti	Itasca
		4	9	22	15	15	18	10	17	3	8	5	6	2	5
		11	33	31	41	23	80	11	19	7	37	6	40	5	10
		42	12	146	43	67	162	46	100	10	30	41	10	10	1
			223	132		66	311	36	89	25	15		4	20	7
			2	4			2	2			2			3	4
			4					3			8				5
			5											14	6
			8	13			18	12							7
			262	446			162		23		75	20		122	8
		2	5	11			2	1	3		2	7		21	9
		2	18	34			37	2			4	16		141	10
		1	11	3			34		19		15	5			11
		10	62	303		1,133	375	15	140	154	5	228		1,520	12
		49	15	9		6	20	2	6	2	25		42	1,257	10
		84	43	4		9	38		2	2	48		91	2,480	14
		2	2	7			1		3		5			92	2
		333	324	72		39	154		55	34	266		289	12,966	15
															16
		1													17
		5													18
		1													19
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1 Not including corn, annual legumes, sweetclover, or alfalfa.

4 Not including white potatoes or sweetpotatoes and yams.

COUNTY TABLE VII.—SPECIFIED CROPS, SWEETCLOVER FOR PASTURE, FARM GARDENS,

[Additional crops are shown

ITEM (See definitions in Introduction)		Jackson	Kana- bec	Kandi- yohi	Kittson	Koochi- ching	Lac qui Parle	Lake	Lake of the Woods	
CROPS, 1929										
1	Annual legumes:									
2	Soybeans, for all purposes..... farms reporting.....	15	12	14	18		4	2	2	
3	..... grown alone..... acres.....	58	50	59	30		5	5	5
4	..... grown with other crops..... acres.....	10	11	21	15		115		
5	..... bushels.....	79	20	159	30				
6	Cowpeas, for all purposes..... farms reporting.....	1								
7	..... grown alone..... acres.....	5							
8	..... grown with other crops..... acres.....								
9	..... bushels.....	50							
10	Canada, marrowfat, Scotch, and other ripe field peas ¹ farms reporting.....					6				
11	..... grown alone..... acres.....					6			
12	..... grown with other crops..... acres.....					1			
13	..... bushels.....					108			
14	Navy, pinto, kidney, Lima, and other ripe field beans ² farms reporting.....	5	7	11	2				2	
15	..... grown alone..... acres.....	2	5	27	2				1
16	..... grown with other crops..... acres.....	3		1					1
17	..... bushels.....	14	23	108	11				7
18	Other field crops:									
19	Buckwheat threshed..... acres.....	127	6	1,440	706	1	1,639		1	
20	..... bushels.....	1,313	50	11,812	7,015	10	16,440		4
21	..... farms reporting.....	11	2	118	73	1	142		1
22	Sweet potatoes and yams..... acres.....		6							
23	..... bushels.....		300						
24	Sweet sorghum, or sorgo, harvested for sirup..... farms reporting.....		1							
25	..... acres.....								
26	..... gallons.....								
27	Tobacco..... farms reporting.....									
28	..... acres.....			10					
29	..... pounds.....			7,210					
30	..... farms reporting.....			5					
31	Broomcorn..... acres.....									
32	..... pounds.....								
33	..... farms reporting.....								
34	Emmer and spelt threshed..... acres.....	31	8	270	82	10	439		22	
35	..... bushels.....	918	182	6,334	1,345	340	9,348		391
36	..... farms reporting.....	5	3	23	5	2	42		6
37	Medicinal crops..... acres.....									
38	..... farms reporting.....								
39	..... pounds.....								
40	Sorghums harvested for grain..... acres.....			4						
41	..... bushels.....			40					
42	..... farms reporting.....			1					
43	Sorghums cut for silage, hay, or fodder..... acres.....	14	12	19						
44	..... tons.....	39	12	48					
45	..... farms reporting.....	3	3	4					
46	Pop corn..... acres.....	1		1						
47	..... bushels.....	40		15			55		
48	..... farms reporting.....	2		1			2		
49	Mixed grains not separated in harvesting..... acres.....	3,493	1,951	12,063	1,594	204	26,595	2	90	
50	..... bushels.....	138,730	62,805	419,034	38,196	6,392	946,953	70	2,412
51	..... farms reporting.....	120	173	505	43	38	618		13
52	Root crops for forage..... acres.....	1	25	28		23			3	
53	..... tons.....	2	353	552		226			16
54	..... farms reporting.....	1	32	2		30			4
55	Crops grazed or hogged off ³ acres.....	28		2						
56	..... farms reporting.....	1		1					
57	All other crops..... acres.....		8	5		36				
58	Grass seeds:									
59	Clover seeds (all kinds)..... acres.....	814	334	407	6,793	4,115	367	1	2,484	
60	..... bushels.....	1,526	915	1,461	36,998	11,992	2,613	1	7,760
61	..... farms reporting.....	67	45	56	251	420	44	1	213
62	Alfalfa seed..... acres.....	36	4	256	386	16	293		26	
63	..... bushels.....	39	4	388	577	57	251		57
64	..... farms reporting.....	9	3	59	41	8	69		11
65	Timothy seed..... acres.....	156		74	171	54	6		75	
66	..... bushels.....	561		354	675	102	16		208
67	..... farms reporting.....	15		8	15	8	4		8
68	Other seeds:									
69	Millet seed..... acres.....	3		2			152			
70	..... bushels.....	125		29			1,392		
71	..... farms reporting.....	2		1			11		
72	Sweetclover for pasture..... acres.....	1,805	26	3,664	3,856	16	3,243		16	
73	..... farms reporting.....	134	5	308	162	3	269		2
74	Farm garden vegetables grown for home use only ³ farms reporting.....	1,911	925	1,865	756	843	1,349	250	405	
75	Maple products:									
76	Maple sirup..... gallons.....									
77	..... farms reporting.....								
78	Maple sugar..... pounds.....									
79	..... farms reporting.....								
80	FOREST PRODUCTS, 1929									
81	Forest products, cut on farms, for home use and for sale:									
82	Saw logs and veneer logs..... thousands of board feet.....	42	143	561	9	10,173	6	205	894	
83	..... farms reporting.....	6	43	34	6	112	2	15	40
84	Firewood..... cords.....	2,680	12,334	8,571	7,689	19,594	3,906	2,743	5,334	
85	..... farms reporting.....	336	913	1,001	589	992	608	215	406
86	Pulpwood..... cords.....		691	560	496	7,059		1,174	5,008	
87	..... farms reporting.....		15	26	3	206		23	110
88	Fence posts..... number.....	6,449	33,730	26,077	12,345	124,054	3,221	6,185	84,177	
89	..... farms reporting.....	68	278	217	64	154	45	19	98
90	Railroad ties..... number.....	1,412	79			32,911	70	3,300	20,418	
91	..... farms reporting.....	12	2			122	1	5	84
92	Poles and piling..... number.....	2		681		37,246	47	100	12,475	
93	..... farms reporting.....	1		3		102	3	1	61
94	NURSERIES AND GREENHOUSES, 1929									
95	Nurseries, greenhouses, hothouses, etc., reporting—									
96	Receipts from sales of trees, plants, vines, etc., in nurseries; flower and									
97	vegetable seeds; and bulbs..... farms reporting.....						2			
98	Receipts from sales of flowers, plants, and vegetables grown under									
99	glass, and flowers grown in the open..... farms reporting.....	8						1		

¹ Not including cowpeas.

² Not including soybeans or velvetbeans.

³ Less than 1 acre.

COUNTY TABLE VII.—SPECIFIED CROPS, SWEETCLOVER FOR PASTURE, FARM GARDENS,

[Additional crops are shown

ITEM (See definitions in Introduction)		Otter Tail	Pen- nington	Pine	Pipe- stone	Polk	Pope	Ramsey	Red Lake
CROPS, 1929									
1	Annual legumes:								
2	Soybeans, for all purposes..... farms reporting	1		5	15	4	4	3	2
3	..... grown alone... acres	1		1	39		40	24	1
4	..... grown with other crops... acres			6	29	34	14		
5	..... bushels	13		177	18	38	33	80	13
6	Cowpeas, for all purposes..... farms reporting							1	
7	..... grown alone... acres								
8	..... grown with other crops... acres							3	
9	..... bushels								
10	Canada, marrowfat, Scotch, and other ripe field peas ¹ farms reporting	26		10		26		1	1
11	..... grown alone... acres	221		11		16		1	1
12	..... grown with other crops... acres			3		172			
13	..... bushels	932		87		126		1	6
14	Navy, pinto, kidney, Lima, and other ripe field beans ² farms reporting	123	3	44	3	21	8	4	7
15	..... grown alone... acres	523	1	55		32	6	7	6
16	..... grown with other crops... acres	41		18	30	3			1
	..... bushels	2,718	6	280	43	351	55	32	59
17	Other field crops:								
18	Buckwheat threshed..... acres	2,254	630	115	488	797	4,834	22	2,258
19	..... bushels	16,806	5,302	1,344	5,577	6,385	36,784	320	10,353
20	Sweetpotatoes and yams..... farms reporting	229	64	26	31	83	311	3	153
21	..... bushels								
22	Sweet sorghum, or sorgo, harvested for sirup..... farms reporting								
23	..... acres	7							
24	..... gallons	462							
25	Tobacco..... farms reporting	3					7		
26	..... acres						3,750		
27	..... pounds						5		
28	..... farms reporting								
29	Broomcorn..... acres								
30	..... pounds								
31	Emmer and spelt threshed..... farms reporting								
32	..... acres	589	152	9	125	705	10		1,250
33	..... bushels	12,360	3,014	204	4,110	12,731	100		22,601
34	..... farms reporting	64	15	5	9	47	1		76
35	Medicinal crops..... acres								
36	..... pounds								
37	..... farms reporting								
38	Sorghums harvested for grain..... acres								
39	..... bushels								
40	..... farms reporting								
41	Sorghums cut for silage, hay, or fodder..... acres	2		6	14	15	24	20	
42	..... tons	2		11	30	25	104	100	
43	..... farms reporting	1		3	2	2	2	1	
44	Pop corn..... acres			4	2			1	
45	..... bushels			7	23			40	
46	..... farms reporting			3	3			1	
47	Mixed grains not separated in harvesting..... acres	31,073	2,973	5,481	3,435	5,608	26,328	702	1,389
48	..... bushels	737,826	72,061	163,114	129,267	116,830	636,915	27,007	31,494
49	..... farms reporting	1,369	126	569	107	242	765	61	56
50	Root crops for forage..... acres	14		1,825	1	1		2	1
51	..... tons	283		14,692	5	20		18	16
52	..... farms reporting	4		779	1	1		4	1
53	Crops grazed or hogged off ³ acres	2		1	1	3			
54	..... farms reporting	1		1	1	1			
55	All other crops..... acres			6		17			
56	Grass seeds:								
57	Clover seeds (all kinds)..... acres	10,902	3,234	776	945	10,125	749	9	4,213
58	..... bushels	17,743	18,232	1,807	2,991	44,579	2,306	5	26,897
59	..... farms reporting	1,050	198	121	74	638	76	1	247
60	Alfalfa seed..... acres	3,800	385	92	21	1,739	1,328		70
61	..... bushels	3,952	378	103	55	3,138	1,602		100
62	..... farms reporting	703	69	20	5	261	227		23
63	Timothy seed..... acres	543	690	33	37	710	65	1	185
64	..... bushels	1,358	3,275	80	114	2,835	140	1	512
	..... farms reporting	73	69	5	3	68	11	1	18
65	Other seeds:								
66	Millet seed..... acres					10			
67	..... bushels					114			
68	..... farms reporting					2			
69	Sweetclover for pasture..... acres	9,483	1,284	143	2,631	15,723	2,894	18	3,394
70	..... farms reporting	743	75	15	143	684	211	4	157
71	Farm garden vegetables grown for home use only ⁴ farms reporting	3,933	581	2,392	966	1,777	805	780	579
72	Maple products:								
73	Maple sirup..... gallons	307		29					
74	Maple sugar..... farms reporting	20		2					
	..... pounds			220					
	..... farms reporting			1					
FOREST PRODUCTS, 1929									
75	Forest products, cut on farms, for home use and for sale:								
76	Saw logs and veneer logs..... thousands of board feet	1,524	18	3,509	30	455	53		535
77	..... farms reporting	370	7	150	2	49	13		6
78	Firewood..... cords	65,947	8,303	27,151	499	20,844	4,978	744	6,358
79	..... farms reporting	4,111	357	2,052	57	1,271	403	95	360
80	Pulpwood..... cords	991		3,400		109	29	24	261
81	..... farms reporting	68		83		9	5	4	7
82	Fence posts..... number	316,019	10,993	53,527	525	53,266	25,377	1,765	12,995
83	..... farms reporting	1,969	50	393	5	342	160	14	63
84	Railroad ties..... number	425		2,732			60		
85	..... farms reporting	6		14			1		
86	Poles and piling..... number	980	500	255		303	20	400	
	..... farms reporting	17	2	5		8	1	1	
NURSERIES AND GREENHOUSES, 1929									
87	Nurseries, greenhouses, hothouses, etc., reporting—								
88	Receipts from sales of trees, plants, vines, etc., in nurseries; flower and vegetable seeds; and bulbs..... farms reporting	4		3		2	2	19	
	Receipts from sales of flowers, plants, and vegetables grown under glass and flowers grown in the open..... farms reporting	2		1		1	2	81	

¹ Not including cowpeas.

² Not including soybeans or velvetbeans.

³ Not including corn, annual legumes, sweetclover, or alfalfa.

AGRICULTURE—MINNESOTA

853

MAPLE AND FOREST PRODUCTS, AND NURSERIES AND GREENHOUSES, 1929—Continued

in Tables V, VI, and VIII

Redwood	Renville	Rice	Rock	Roseau	St. Louis	Scott	Sherburne	Sibley	Stearns	Steele	Stevens	Swift	Todd	Traverse	Wabasha
7	15	5	25		4	3	4	2	22	14	7	20	42	5	15
40	12		188		5	12	22	4	132	95	55	115	406	20	13
6	64	41	23		20	11			32	16	1	14			224
	1				32	10	7	18		5	11				41
										4					17
										14					6
										5					39
										80					821
										2					37
										9					285
															94
															3,627
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* Not including white potatoes or sweetpotatoes and yams.

AGRICULTURE—MINNESOTA

855

COUNTY TABLE VIII.—LAND IN ORCHARD FRUITS AND VINEYARDS, WITH NUMBER OF FRUIT TREES AND GRAPEVINES, 1930, WITH PRODUCTION, 1929; AND SMALL FRUITS, 1929

[Additional crops are shown in Tables V, VI, and VII]

ITEM (See definitions in Introduction)		THE STATE	Aitkin	Anoka	Becker	Bel- trami	Ben- ton	Big Stone	Blue Earth	Brown	Carl- ton
1	Land in orchard fruits and vineyards (nurseries excluded).....acres..	22,051	100	45	34	20	109	151	415	268	32
2	Fruit trees.....farms reporting..	79,071	706	551	369	135	558	518	1,685	1,577	388
ORCHARD FRUITS AND GRAPES											
3	Apples.....farms reporting..	70,329	611	512	294	102	522	497	1,673	1,503	355
4	.....trees not of bearing age..	242,445	2,111	1,169	484	364	1,605	1,163	3,635	5,015	1,530
5	.....trees of bearing age..	1,212,922	4,287	3,636	1,202	306	5,169	7,263	30,164	17,638	1,613
6	.....bushels harvested..	905,409	3,276	3,789	1,103	349	4,445	5,732	13,861	8,565	1,396
7	Cherries.....farms reporting..	7,202	90	58	78	22	73	40	129	117	47
8	.....trees not of bearing age..	10,864	117	61	139	145	56	62	265	215	119
9	.....trees of bearing age..	19,881	200	149	427	72	261	173	320	180	77
10	.....bushels harvested..	3,620	37	22	45	11	37	23	5	26	10
11	Peaches.....farms reporting..	246	3	1	2	-----	-----	2	4	7	1
12	.....trees not of bearing age..	532	11	6	3	-----	-----	2	17	17	4
13	.....trees of bearing age..	1,009	8	-----	3	-----	-----	4	5	8	-----
14	.....bushels harvested..	418	-----	-----	2	-----	-----	1	7	12	-----
15	Pears.....farms reporting..	792	8	2	1	2	4	7	11	41	3
16	.....trees not of bearing age..	1,622	10	3	4	2	2	24	12	78	24
17	.....trees of bearing age..	1,478	43	-----	-----	5	36	9	6	82	-----
18	.....bushels harvested..	401	10	-----	-----	5	7	4	2	25	-----
19	Plums and prunes.....farms reporting..	33,085	480	284	191	84	349	147	628	603	205
20	.....trees not of bearing age..	60,273	1,413	360	387	415	621	314	1,533	1,129	798
21	.....trees of bearing age..	224,974	3,722	1,900	2,027	926	2,430	1,131	3,275	2,769	624
22	.....bushels harvested..	72,431	878	423	491	209	592	556	308	915	161
23	Other orchard fruits.....farms reporting..	11	-----	-----	-----	-----	-----	-----	1	-----	-----
24	.....trees not of bearing age..	426	-----	-----	-----	-----	-----	-----	-----	-----	-----
25	.....trees of bearing age..	142	-----	-----	-----	-----	-----	-----	4	-----	-----
26	Grapes.....farms reporting..	9,794	49	37	6	10	47	27	360	336	7
27	.....vines not of bearing age..	34,237	164	374	42	51	96	125	1,330	581	28
28	.....vines of bearing age..	105,941	206	443	36	34	319	124	3,968	1,977	14
29	.....pounds harvested..	597,895	588	1,343	150	160	961	390	13,358	11,937	-----
SMALL FRUITS											
30	Blackberries and dewberries.....farms reporting..	701	-----	-----	-----	-----	-----	-----	13	6	4
31	.....acres..	94	-----	-----	-----	-----	-----	-----	1	1	(1)
32	.....quarts..	49,280	-----	-----	-----	-----	-----	-----	1,066	635	111
33	Blueberries.....farms reporting..	12	-----	-----	-----	3	-----	-----	-----	-----	1
34	.....acres..	7	-----	-----	-----	1	-----	-----	-----	-----	2
35	.....quarts..	1,615	-----	-----	-----	150	-----	-----	-----	-----	250
36	Cranberries.....farms reporting..	27	2	-----	-----	1	-----	-----	-----	-----	-----
37	.....acres..	45	1	-----	-----	(1)	-----	-----	-----	-----	-----
38	.....quarts..	176,630	84	-----	-----	150	-----	-----	-----	-----	-----
39	Currants.....farms reporting..	1,084	12	23	23	10	10	-----	40	13	6
40	.....acres..	162	1	4	2	(1)	2	-----	3	2	(1)
41	.....quarts..	111,341	327	4,313	712	179	1,397	-----	2,491	260	115
42	Gooseberries.....farms reporting..	225	-----	-----	1	-----	3	-----	14	4	-----
43	.....acres..	18	-----	-----	(1)	-----	(1)	-----	1	1	-----
44	.....quarts..	10,947	-----	-----	86	-----	56	-----	977	268	-----
45	Raspberries.....farms reporting..	10,153	149	64	55	110	44	20	272	68	47
46	.....acres..	3,122	63	36	7	55	20	3	96	10	8
47	.....quarts..	3,228,724	41,311	16,607	3,066	34,474	9,084	2,538	88,132	4,538	3,626
48	Strawberries.....farms reporting..	12,283	91	133	81	35	76	20	271	143	65
49	.....acres..	2,374	23	43	12	6	17	2	74	27	14
50	.....quarts..	2,427,697	19,535	56,470	7,854	3,107	12,024	804	90,666	18,272	6,112
51	Other small fruits.....farms reporting..	243	-----	-----	-----	3	-----	1	8	-----	-----
52	.....acres..	27	-----	-----	-----	(1)	-----	(1)	2	-----	-----
53	.....quarts..	17,235	-----	-----	-----	100	-----	150	416	-----	-----

¹ Less than 1 acre.

COUNTY TABLE VIII.—LAND IN ORCHARD FRUITS AND VINEYARDS, WITH NUMBER OF FRUIT

[Additional crops are shown in

ITEM (See definitions in Introduction)		Carver	Cass	Chip- pewa	Chisago	Clay	Clear- water	Cook	Cotton- wood	Crow Wing
1	Land in orchard fruits and vineyards (nurseries excluded).....acres.....	576	49	259	105	29	12	4	498	61
2	Fruit trees.....farms reporting.....	1,817	487	832	929	138	160	32	1,194	534
ORCHARD FRUITS AND GRAPES										
3	Apples.....farms reporting.....	1,802	312	829	897	121	115	32	1,186	411
4	.....trees not of bearing age.....	6,253	1,131	1,877	1,771	604	232	108	2,475	1,493
5	.....trees of bearing age.....	50,354	849	12,940	7,723	1,141	343	88	19,667	1,823
6	.....bushels harvested.....	50,503	657	3,223	8,310	600	337	72	15,380	1,202
7	Cherries.....farms reporting.....	138	84	37	46	19	35	2	182	81
8	.....trees not of bearing age.....	105	153	72	52	91	35	11	207	186
9	.....trees of bearing age.....	327	205	124	147	101	97	3	484	132
10	.....bushels harvested.....	27	23	13	23	10	127	1	170	7
11	Peaches.....farms reporting.....	7	1		1				2	1
12	.....trees not of bearing age.....	13	4						1	1
13	.....trees of bearing age.....	30	3		6				2	
14	.....bushels harvested.....	5	5		3					
15	Pears.....farms reporting.....	24	3	3	8	2			10	4
16	.....trees not of bearing age.....	154	7	4	17	8			15	12
17	.....trees of bearing age.....	24	6	14	11	0			4	3
18	.....bushels harvested.....		2	3	4	2			1	1
19	Plums and prunes.....farms reporting.....	832	361	370	366	80	101	4	611	376
20	.....trees not of bearing age.....	1,333	1,308	412	330	309	313	32	672	1,107
21	.....trees of bearing age.....	5,845	3,250	2,589	2,251	980	477		5,290	3,011
22	.....bushels harvested.....	1,073	1,390	897	795	345	261		2,142	689
23	Other orchard fruits.....farms reporting.....	1	1			1				
24	.....trees not of bearing age.....	300	50			12				
25	.....trees of bearing age.....	100								
26	Grapes.....farms reporting.....	357	27	49	36	7	4		127	34
27	.....vines not of bearing age.....	2,159	282	75	79	30	8		202	148
28	.....vines of bearing age.....	5,244	102	808	363	30	24		1,144	78
29	.....pounds harvested.....	32,223	394	1,556	727		30		6,033	126
SMALL FRUITS										
30	Blackberries and dewberries.....farms reporting.....	56	2		2				5	6
31	.....acres.....	3	1		(¹)				(¹)	1
32	.....quarts.....	2,643	60		65				149	252
33	Blueberries.....farms reporting.....									
34	.....acres.....									
35	.....quarts.....									
36	Cranberries.....farms reporting.....									1
37	.....acres.....									(¹)
38	.....quarts.....									128
39	Currants.....farms reporting.....	11	17	5	6	8	6	14	8	21
40	.....acres.....	2	2	(¹)	1	22	1	1	(¹)	2
41	.....quarts.....	2,047	460	92	348	195	231	497	211	561
42	Gooseberries.....farms reporting.....	12	1	7						
43	.....acres.....	1	(¹)	1						
44	.....quarts.....	249	100	279						
45	Raspberries.....farms reporting.....	515	132	27	112	11	33	1		97
46	.....acres.....	128	39	3	18	2	4	(¹)		50
47	.....quarts.....	162,231	16,485	3,250	11,261	726	2,158	150		10,401
48	Strawberries.....farms reporting.....	371	82	63	149	11	18	5	249	117
49	.....acres.....	64	17	9	19	3	3	2	29	23
50	.....quarts.....	96,025	9,692	4,660	17,966	1,047	1,292	705	18,994	11,344
51	Other small fruits.....farms reporting.....	4	3		2					2
52	.....acres.....	1	(¹)		1					1
53	.....quarts.....	85	132		70					70

¹ Less than 1 acre.

AGRICULTURE—MINNESOTA

TREES AND GRAPEVINES, 1930, WITH PRODUCTION, 1929; AND SMALL FRUITS, 1929—Continued

Tables V, VI, and VII

Dakota	Dodge	Douglas	Fairbault	Fillmore	Freeborn	Goodhue	Grant	Hennepin	Houston	Hubbard	Isanti	Itasca	Jackson	Kanabec	Kandiyohi	Kittson	
679	215	186	549	562	513	734	77	1,523	687	15	51	16	453	85	431	5	1
1,043	928	1,237	1,433	1,735	1,827	2,067	568	2,378	1,123	105	871	140	1,239	590	1,453	83	2
1,029	917	1,205	1,416	1,709	1,812	2,053	531	2,345	1,119	64	822	80	1,226	551	1,439	64	3
6,269	1,861	2,323	4,040	4,056	4,607	6,732	1,201	12,151	10,801	270	1,047	644	3,732	1,519	3,644	123	4
34,104	13,746	10,325	25,919	38,247	30,088	84,614	4,064	98,764	36,127	237	5,023	239	19,063	4,453	21,779	180	5
31,932	13,198	8,491	21,803	17,291	23,834	26,670	3,079	87,318	35,937	307	5,499	182	9,537	2,388	16,003	246	6
58	55	146	95	52	96	107	46	195	69	13	32	24	93	91	114	3	7
221	86	154	127	71	194	104	114	471	139	108	38	49	125	62	142	4	8
428	89	330	311	106	198	168	111	901	193	84	69	56	249	270	351	14	9
30	7	213	192	32	75	17	18	99	55	8	11	21	14	12	92	1	10
	2		16	9	4	4		2	7	2	3	4	5	2	3		11
			31	17	11	1			16	5	4	10	21	8	1		12
	20		85	33	4	13		14	5		4	15	64	7			13
	3		61	1		1					1	3	40				14
12	3	5	20	17	25	25	1	17	15		4	1	13	1	7		15
23	4	3	45	21	36	34	2	90	14		3		8	2	16		16
15	1	16	19	25	27	69		34	32		25	5	69		20		17
2	1	3	14	3	13	7		6	10		6		58		6		18
304	280	469	437	498	719	700	274	903	370	76	282	126	550	347	512	33	19
1,091	335	577	731	668	1,541	1,094	562	2,566	399	397	310	921	804	629	712	61	20
2,549	1,312	2,429	2,652	2,232	5,089	3,075	3,143	7,941	1,615	1,107	1,522	715	3,955	2,192	3,497	159	21
594	536	1,185	1,229	771	1,139	1,219	1,068	1,455	410	363	533	298	1,180	136	986	39	22
1						1											23
6						1											24
						1											25
145	77	67	248	153	372	148	34	443	218	6	27	12	191	33	114		26
935	166	163	400	256	1,006	574	96	6,169	590		180	51	1,139	68	96		27
3,061	1,509	220	1,701	896	2,899	1,317	156	18,247	5,003	130	96	33	1,160	97	720		28
25,138	7,707	963	11,019	4,239	18,221	5,388	246	130,105	13,760	140	915	30	8,991	165	4,439		29
7	11	3	12	44	14	42		48	11		3						30
1	(1) 261	(1) 545	188	2	2	6		30	1		(1) 50						31
370				1,749	383	1,455		17,017	516								32
										(1) 1		1					33
										75		200					34
																	35
																	36
																	37
																	38
23	14	14	10	8	17	11		86	6	8	4	12	9	9	6	7	39
8	(1) 170	(1) 631	(1) 133	664	810	591	(1) 120	27	36,445	530	1	(1) 165	(1) 110	(1) 110	(1) 132	(1) 87	40
10,056																	41
	9			4	8			7									42
	(3) 330			(1) 190	1,005			1	(1) 335					100	167		43
																	44
166	130	126	168	303	182	288	26	798	116	63	33	69	52	13	95	9	45
101	14	22	13	26	53	44	3	1,008	47	21	7	24	6	2	20	3	46
102,579	11,074	15,127	8,058	18,616	19,044	23,531	773	1,528,492	92,765	5,834	2,156	6,825	2,305	280	9,133	263	47
291	148	104	229	374	325	414	55	616	183	31	103	74	167	31	177	3	48
138	19	15	23	47	72	73	6	388	33	9	15	16	26	4	29	1	49
187,202	22,613	11,735	13,847	53,130	54,965	66,169	2,932	553,353	40,929	6,162	8,145	9,475	23,132	1,574	24,077	152	50
4	2			11	5	5	1	10	5	3							51
1	(1) 63			(1) 325	1	1	(1) 48	1	(1) 93	1	(1) 80						52
1,334					210	140		594		100							53

COUNTY TABLE VIII.—LAND IN ORCHARD FRUITS AND VINEYARDS, WITH NUMBER OF FRUIT

[Additional crops are shown

ITEM (See definitions in Introduction)		Koochi- ching	Lac qui Parle	Lake	Lake of the Woods	Le Sueur	Lincoln	Lyon	Mc- Leod	Mah- nomon
1	Land in orchard fruits and vineyards (nurseries excluded).....acres	7	817	7	3	299	277	315	542	2
2	Fruit trees.....farms reporting	83	1,035	130	37	1,428	768	1,022	1,875	41
ORCHARD FRUITS AND GRAPES										
3	Apples.....farms reporting	50	1,021	128	19	1,418	760	1,000	1,868	23
4	.....trees not of bearing age	143	2,153	782	96	2,567	2,145	2,293	5,537	35
5	.....trees of bearing age	94	19,270	579	26	20,683	14,370	15,313	31,500	90
6	.....bushels harvested	60	7,548	293	8	13,341	8,259	13,756	13,565	83
7	Cherries.....farms reporting	17	86	7	6	135	97	111	265	5
8	.....trees not of bearing age	55	116	35	13	98	126	186	347	16
9	.....trees of bearing age	69	290		8	287	316	305	476	5
10	.....bushels harvested	2	55			46	43	26	72	2
11	Peaches.....farms reporting		3	1	1	5	2	6	3	
12	.....trees not of bearing age		10		2	2	1	10	4	
13	.....trees of bearing age		23	2		21	3	27		
14	.....bushels harvested		2	1		15		2		
15	Pears.....farms reporting	2	9	2	1	28	9	15	12	
16	.....trees not of bearing age	5	24	2	2	52	21	32	21	
17	.....trees of bearing age	5	20	5		18	15	14	2	
18	.....bushels harvested	2	6	1		5	6	1	1	
19	Plums and prunes.....farms reporting	62	344	49	30	665	351	391	895	24
20	.....trees not of bearing age	261	552	183	141	609	638	540	1,264	19
21	.....trees of bearing age	371	3,244	93	221	3,537	2,474	2,752	3,858	176
22	.....bushels harvested	169	1,084	23	47	1,054	1,041	968	1,137	63
23	Other orchard fruits.....farms reporting									
24	.....trees not of bearing age									
25	.....trees of bearing age									
26	Grapes.....farms reporting	2	114		3	280	85	140	488	1
27	.....vines not of bearing age		403		54	248	202	371	640	
28	.....vines of bearing age	13	1,084		1	1,230	702	921	2,271	6
29	.....pounds harvested		5,077			6,799	3,073	6,191	20,354	
SMALL FRUITS										
30	Blackberries and dewberries.....farms reporting	1	3		2	19	4	7	74	
31	.....acres	1	(¹)		(¹)	1	(¹)	(¹)	10	
32	.....quarts	200	132		65	505	93	180	4,021	
33	Blueberries.....farms reporting									
34	.....acres									
35	.....quarts									
36	Cranberries.....farms reporting									
37	.....acres									
38	.....quarts									
39	Currants.....farms reporting	6		2		8	10	18	129	2
40	.....acres	1		(¹)		(¹)	1	4	12	(¹)
41	.....quarts	167		160		162	274	498	3,169	116
42	Gooseberries.....farms reporting		5			5	4	11	21	
43	.....acres		(¹)			(¹)	(¹)	(¹)	2	
44	.....quarts		87			68	73	205	583	
45	Raspberries.....farms reporting	41	51	4	15	249	50	60	593	3
46	.....acres	14	6	2	3	18	5	6	61	(¹)
47	.....quarts	4,813	1,920	450	857	13,621	1,332	4,168	43,653	72
48	Strawberries.....farms reporting	28	90	8	12	230	68	88	546	5
49	.....acres	4	8	1	2	14	8	11	49	1
50	.....quarts	1,843	3,463	1,101	986	10,286	4,182	8,012	33,488	731
51	Other small fruits.....farms reporting		4				5		5	
52	.....acres		1				(¹)		1	
53	.....quarts		815				69		165	

¹ Less than 1 acre.

AGRICULTURE—MINNESOTA

TREES AND GRAPEVINES, 1930, WITH PRODUCTION, 1929; AND SMALL FRUITS, 1929—Continued

in Tables V, VI, and VII]

Marshall	Martin	Meeker	Mille Lacs	Mor- rison	Mower	Murray	Nicollet	Nobles	Norman	Olmsted	Otter Tail	Penning- ton	Pine	Pipe- stone	Polk	Pope	
7 150	689 1,711	313 1,544	120 715	107 1,111	318 1,271	612 1,235	289 921	430 980	21 274	567 1,551	188 1,629	16 66	237 1,418	62 278	15 362	144 669	1 2
134 182 446 534	1,702 3,535 30,727 24,438	1,518 3,399 19,657 11,617	689 2,246 5,092 4,637	1,005 3,188 6,057 4,308	1,263 2,562 22,722 15,979	1,184 2,732 17,137 11,188	911 2,955 18,306 8,711	961 2,709 20,145 15,506	245 554 1,106 1,254	1,539 6,735 26,016 21,569	1,449 6,098 8,666 7,740	46 57 470 558	1,315 5,185 10,107 9,657	260 1,088 2,441 1,997	300 400 1,172 1,265	644 1,522 6,544 5,765	3 4 5 6
10 15 15 3	256 360 533 30	126 112 292 135	83 141 118 8	125 163 375 58	51 90 69 67	128 147 475 68	78 75 181 12	91 139 170 37	46 66 74 9	100 211 233 144	248 352 289 144	4 12 64 1	185 284 511 61	29 42 86 43	43 22 142 15	90 94 381 28	7 8 9 10
1	5	8		3	1	4	2	6	4	4	4		8	4	1	2	11
2	3	8		7		4	10	17	7	2	6		16	16	3	1	12
	15	35		15	12	15		27	4	16	14		30	17		4	13
		17		8	5	3		29		11	4		12	4		4	14
	41	4	9	4	7	15	16	7	3	11	7	2	10	7	1	5	15
	47	3	20	32	10	29	20	10	5	43	5	11	13	24		11	16
	43	26		5	3	8	17	58	6	1	20		47	45	2		17
	23	10			2		1			1	7		4	5			18
49 143 314 98	574 850 2,716 879	461 530 2,911 1,002	326 774 1,493 325	678 1,405 4,519 1,935	359 467 2,016 755	692 929 6,539 2,990	395 824 2,629 611	430 648 4,182 1,135	110 409 792 121	460 2,451 3,776 1,000	854 2,145 6,890 3,036	34 124 363 86	936 1,975 5,960 1,039	134 260 1,186 539	196 218 1,814 539	256 292 2,930 1,272	19 20 21 22
						1			1								23
						1			3								24
																	25
5 15 3	340 643 3,380 22,246	139 112 1,012 7,444	32 173 116 483	104 171 376 1,464	147 481 855 5,043	200 553 1,443 7,583	168 265 1,997 10,868	124 175 1,070 5,766	19 61 9	130 895 2,749 10,026	89 206 457 2,276	4 9	89 293 332 732	34 214 187 1,487	10 41 12 60	38 56 171 1,187	26 27 28 29
	(1) 171	(1) 187		(1) 25	22 1 496	(1) 14	(1) 20	(1) 55	(1) 8	17 5 3,947	17 4 2,393		(1) 2	(1) 8	(1) 90	(1) 90	30 31 32
													(1) 150				33 34 35
			1 80	(1) 276							5 1 380	(1) 65	(1) 64	(1) 63			36 37 38
3 (1) 135	22 1 384	(1) 155		(1) 402	10 1 455	20 1 324	8 1 343		(1) 95	27 4 1,043	22 2 1,115	(1) 125	11 1 259		12 1 488	(1) 95	39 40 41
	(1) 12 224				(1) 50	12 1 416	(1) 77			(1) 246	(1) 60					(1) 85	42 43 44
23 2 818	241 15 19,080	148 13 7,905	36 9 2,359	111 15 5,677	187 16 8,902	61 7 1,863	72 22 12,779	34 4 1,697	35 2 1,271	223 57 43,242	192 32 14,274	22 2 825	83 14 5,048	5 1 752	55 7 6,066	48 6 2,878	45 46 47
18 1 678	320 28 30,911	178 19 17,316	58 8 4,425	179 20 9,998	324 40 40,388	223 28 16,792	100 17 14,909	110 14 9,423	34 32 8,194	205 62 115,125	205 33 18,838	12 1 597	129 16 16,389	19 3 5,418	36 4 2,479	85 12 6,232	48 40 50
16 1 878	13 (1) 461			4 1 49	(1) 60	9 1 180		(1) 74	(1) 190		8 2 374	(1) 52				(1) 50	51 52 53

COUNTY TABLE VIII.—LAND IN ORCHARD FRUITS AND VINEYARDS, WITH NUMBER OF FRUIT

[Additional crops are shown

ITEM (See definitions in Introduction)		Ramsey	Red Lake	Redwood	Ren-ville	Rice	Rock	Roseau	St. Louis	Scott
1	Land in orchard fruits and vineyards (nurseries excluded).....acres..	193	2	344	531	421	156	14	31	313
2	Fruit trees.....farms reporting..	472	56	1,332	2,180	1,692	419	86	311	1,104
ORCHARD FRUITS AND GRAPES										
3	Apples.....farms reporting..	458	35	1,315	2,149	1,687	395	29	284	1,159
4	.....trees not of bearing age..	3,003	34	3,712	4,123	6,972	1,026	216	1,981	2,819
5	.....trees of bearing age..	9,051	95	20,871	34,161	20,585	4,799	56	1,621	19,183
6	.....bushels harvested..	9,910	124	12,188	13,398	21,693	5,947	68	862	13,814
7	Cherries.....farms reporting..	24	8	104	135	79	44	12	35	60
8	.....trees not of bearing age..	77	19	136	207	106	61	48	210	88
9	.....trees of bearing age..	135	3	260	422	167	169	63	34	125
10	.....bushels harvested..	31	1	51	134	26	49	3	2	63
11	Peaches.....farms reporting..	1	4	4	4	1	7			1
12	.....trees not of bearing age..	2		12	2		8			6
13	.....trees of bearing age..			49	12	2	51			15
14	.....bushels harvested..			46	8		32			
15	Pears.....farms reporting..	7		16	22	12	8			12
16	.....trees not of bearing age..	8		10	44	20	13			20
17	.....trees of bearing age..	28		37	47	8	21			8
18	.....bushels harvested..			12	17	2	2			9
19	Plums and prunes.....farms reporting..	260	35	528	787	666	227	76	155	334
20	.....trees not of bearing age..	1,179	98	729	882	1,942	337	482	785	391
21	.....trees of bearing age..	2,298	230	3,720	5,408	2,839	2,130	768	564	1,444
22	.....bushels harvested..	1,123	63	1,558	2,660	767	840	64	100	451
23	Other orchard fruits.....farms reporting..			1	1	1				
24	.....trees not of bearing age..				60					
25	.....trees of bearing age..			20		10				
26	Grapes.....farms reporting..	98	4	234	271	196	62	5	4	170
27	.....vines not of bearing age..	2,212	9	375	654	216	207	114	16	203
28	.....vines of bearing age..	8,502	10	1,401	1,557	1,401	314	12		1,988
29	.....pounds harvested..	37,165		8,178	11,731	7,073	1,295	17		12,640
SMALL FRUITS										
30	Blackberries and dewberries.....farms reporting..	2	1	4	5	8				24
31	.....acres..	(¹)		(¹)	1					2
32	.....quarts..	310	50	201	218	319				676
33	Blueberries.....farms reporting..								5	
34	.....acres..								3	
35	.....quarts..								790	
36	Cranberries.....farms reporting..							4		
37	.....acres..							5		
38	.....quarts..							235		
39	Currants.....farms reporting..	26	6	3	18	12			10	15
40	.....acres..	14	(¹)	(¹)	1	1			2	1
41	.....quarts..	20,075	147	248	269	870			803	1,858
42	Gooseberries.....farms reporting..				4	7	2			4
43	.....acres..				(¹)	1	(¹)			3
44	.....quarts..				47	717	55			1,720
45	Raspberries.....farms reporting..	317	22	61	135	188	7	33	84	178
46	.....acres..	234	2	3	13	25	1	4	28	22
47	.....quarts..	249,061	1,792	3,039	5,843	17,018	229	2,064	10,553	13,127
48	Strawberries.....farms reporting..	177	7	170	275	194	19	32	81	201
49	.....acres..	91	(¹)	16	31	36	1	5	24	27
50	.....quarts..	118,617	730	20,013	21,340	30,349	1,781	3,707	15,657	20,613
51	Other small fruits.....farms reporting..	8			2	5	4		3	2
52	.....acres..	5			(¹)	1	1		(¹)	(¹)
53	.....quarts..	5,316			80	210	305		53	98

¹ Less than 1 acre.

TREES AND GRAPEVINES, 1930, WITH PRODUCTION, 1929; AND SMALL FRUITS, 1929—Continued

in Tables V, VI, and VII

Sherburne	Sibley	Stearns	Steele	Stevens	Swift	Todd	Traverse	Wabasha	Wadena	Waseca	Washington	Watson	Wilkin	Winona	Wright	Yellow Medicine	
41	461	451	229	48	136	121	49	380	15	141	490	325	28	518	660	498	1
223	1,785	1,913	1,177	520	700	1,514	227	1,089	111	908	1,077	921	173	1,527	2,381	1,374	2
205	1,772	1,865	1,175	498	681	1,350	220	1,083	64	903	1,059	913	142	1,515	2,364	1,345	3
334	4,340	7,888	3,042	1,640	1,657	2,237	753	4,250	379	2,611	7,786	2,373	341	9,518	6,902	2,840	4
1,904	19,937	16,753	18,161	4,078	8,466	10,256	3,820	19,448	91	13,374	26,090	13,300	981	33,849	37,413	26,012	5
1,981	7,621	14,193	10,626	2,986	5,161	9,186	3,385	16,809	57	5,020	32,959	11,686	729	29,892	26,173	12,010	6
26	240	185	42	71	66	154	15	69	23	67	35	68	11	209	284	135	7
22	275	275	108	152	84	205	6	101	46	89	61	95	8	241	426	171	8
85	400	458	83	250	221	448	73	101	42	122	118	146	87	1,181	416	520	9
20	27	91	4	34	117	121	7	28	13	5	7	23	4	105	75	87	10
4	5	4	4	1	3	3		3	1	2	1	3	1	6	5	9	11
	7	5	7		6	4		1	6	3	1	2	2	91	27	7	12
11	38	9	27	6	41	20		4		12		12		28	11	46	13
1	40	4	2	2	11	4									6	6	14
1	24	23	11	3	4	11	2	8		9	7	17		25	15	23	15
	45	82	16	53	10	6	11	14		12	9	44		33	17	38	16
100	13	59	2	20	10	32		13		9	14	14		48	20	19	17
		23		2	5	9		6			2	3		13	24	2	18
131	728	886	304	259	312	769	58	364	86	328	393	387	131	627	980	658	19
177	831	1,596	642	1,185	659	903	163	544	550	484	1,737	897	797	774	1,588	909	20
1,595	3,769	5,094	1,207	2,916	2,967	6,164	826	1,537	675	1,305	3,350	2,145	1,539	3,874	4,037	6,148	21
651	1,242	2,150	322	601	969	2,747	186	491	189	218	1,494	699	506	1,256	1,889	1,286	22
																	23
																	24
																	25
28	426	300	128	27	53	78	17	104	5	141	99	190	6	249	192	114	26
138	573	1,034	381	46	140	122	32	184	24	125	1,543	468	6	757	409	315	27
165	1,753	3,640	590	113	218	506	210	488	12	784	4,213	1,597	15	2,046	1,320	597	28
630	13,915	17,195	2,995	628	1,621	2,240	600	2,578		5,723	20,408	8,035	91	11,362	9,128	3,011	29
																	30
	6	5	9		2	5		22	2	5		5		56	52	3	31
	(1) 60	(1) 213	105		(1) 70	(1) 84		766	(1) 60	(1) 184		(1) 100		2,296	3,111	(1) 180	32
																	33
																	34
																	35
1		1									(1) 1						36
(1) 256		480									(1) 70						37
13	13	9	3			42		10	8	(1) 9	17		(1) 5	14	19		39
2	2	1	1			3	(1) 2	1	1	4	4		(1) 68	5	3		40
251	270	777	350			807	270	325	302	(1) 205	3,210			4,162	440		41
																	42
		3	5							(1) 5				8	(1) 5	(1) 5	43
		(1) 85	(1) 140							(1) 65				340	(1) 125	(1) 123	44
31	163	145	90	36	34	176	9	189	29	68	275	45	(1) 4	349	373	71	45
10	30	23	6	3	3	18	1	26	4	8	178	7		107	63	10	46
4,560	11,123	14,820	5,216	1,289	1,514	9,095	317	13,842	1,570	5,044	203,115	3,893	(1) 68	149,423	30,528	2,388	47
71	189	248	215	47	56	171	18	209	28	88	255	106	7	320	302	137	48
24	24	34	20	4	10	22	2	26	4	12	70	13	1	65	51	15	49
15,866	11,305	22,112	22,016	2,396	2,986	12,927	1,552	27,497	1,015	5,627	98,511	8,127	430	92,838	34,914	6,606	50
																	51
	(1) 2	(1) 3	1			(1) 6		(1) 4		(1) 2	3		(1) 1	9		(1) 10	52
	135	(1) 215	350			(1) 77		(1) 53		(1) 47	737		(1) 50	1,822		(1) 259	53

COUNTY TABLE IX.—SPECIFIED CLASSES OF LIVESTOCK [Other classes of livestock and livestock

Table with 8 columns: ITEM, THE STATE, Aitkin, Anoka, Becker, Beltrami, Benton, Big Stone. Rows include Domestic animals on farms, Cattle and dairy products (Cows and heifers milked, Butter churned, etc.), Sheep and wool, Goats and mohair, Asses and burros, Bees and honey, Turkeys raised, Ducks raised, Geese raised.

Table with 8 columns: ITEM, Douglas, Faribault, Fillmore, Freeborn, Goodhue, Grant, Hennepin. Rows include Domestic animals on farms, Cattle and dairy products, Sheep and wool, Goats and mohair, Asses and burros, Bees and honey, Turkeys raised, Ducks raised, Geese raised.

1 Including estimates for incomplete reports.

AGRICULTURE—MINNESOTA

871

CHARGES ON MORTGAGE DEBT, AND TAXES, 1929

Brown	Carlton	Carver	Cass	Chippewa	Chisago	Clay	Clear-water	Cook	Cotton-wood	Crow Wing	Dakota	Dodge	Douglas	
1,351 563 630 47.1 162	1,926 848 1,008 52.3 70	1,585 857 712 44.9 16	1,553 640 870 56.0 43	959 325 014 04.0 20	1,566 744 782 49.9 40	1,200 398 723 60.3 79	1,286 500 701 59.2 19	124 37 635 29.0 1	1,021 344 655 62.2 42	1,378 668 730 47.3 58	1,520 745 730 48.0 45	977 369 625 53.7 83	2,008 860 1,090 54.3 58	
1,050 467 76,079 7,480,303 463 79,113 7,622,800 3,400,308 44.61 16,464 7,344 96.35 42.98 6 510 45,150 120	1,776 800 63,403 3,693,736 910 79,922 4,475,485 1,451,344 32.43 4,918 1,595 56.00 18.16 5 146 18,500 61	1,432 78,497 12,729,873 829 65,837 10,382,695 4,389,154 37.15 10,807 6,978 157.70 66.67 1 3 65,000 13	1,228 529 56,998 1,843,457 667 84,083 2,734,425 1,015,821 42.27 4,100 1,523 32.52 12.08 2 361 5,000 30	699 256 88,456 3,132,582 425 83,707 0,763,302 3,108,211 46.84 15,914 7,455 80.80 37.85 2 361 24,600 16	1,319 959 68,612 5,809,700 226 66,233 5,515,720 2,193,841 39.77 8,611 3,606 83.28 33.12 1 160 7,000 33	789 294 61,932 2,973,110 484 101,156 5,155,720 2,405,647 44.41 11,880 6,081 50.97 24.37 14 2,487 91,200 47	1,027 436 58,282 1,896,722 574 80,157 2,504,202 1,112,079 44.41 4,303 1,937 31.24 13.87 2 279 4,800 17	120 85 9,578 299,025 32 3,807 143,250 17,764 12.40 4,477 555 37.63 4.67 2 4,800 6,300 26	667 247 33,234 3,307,293 482 72,994 7,138,975 3,262,034 45.55 18,165 8,275 97.80 44.55 5 133 6,300 26	1,070 537 54,263 2,415,281 482 55,765 2,272,638 784,805 40.55 4,715 1,628 103.09 14.07 3 523 16,350 46	1,140 575 65,559 6,531,090 523 65,791 6,782,716 2,760,173 52.95 12,846 5,209 103.09 41.80 3 511 57,025 34	741 292 30,873 2,703,640 386 50,681 4,441,467 2,351,769 52.95 11,506 6,093 87.64 46.40 6 1,002 47,450 87	1,504 717 86,857 5,947,277 795 101,688 6,787,425 3,017,107 44.45 8,538 3,795 66.75 29.67 8 656 37,260 44	
399 67,767 6,491,305 2,953,668 45.60 160,704 6.44	844 73,004 4,115,478 1,338,344 32.52 83,819 6.26	587 60,447 9,522,370 4,111,801 41.81 210,929 5.13	599 73,830 2,428,063 893,509 36.80 58,369 6.53	346 66,745 5,377,247 2,562,604 47.66 145,515 6.08	679 60,694 5,085,630 2,004,466 39.41 121,896 6.08	375 85,359 4,258,255 2,113,523 49.62 132,142 6.26	517 72,658 2,244,372 985,242 45.60 62,283 6.32	30 3,737 137,260 16,664 12.14 1,184 7.11	315 57,153 5,657,995 2,622,745 40.35 139,906 5.33	440 50,508 2,010,947 701,942 34.91 42,884 6.11	486 59,668 6,097,230 2,507,423 41.12 143,583 5.73	340 44,977 3,921,737 2,095,114 53.42 126,079 6.02	713 91,314 6,029,599 2,747,467 45.57 155,713 5.67	
1,056 950 90.5 160,255 203,712 15,635,315 182,172 1.14 1.17 741 123,620 155,419 12,074,253 135,300 1.15	1,776 1,082 94.7 142,330 127,327 8,098,894 109,590 0.77 1.35 1,535 129,156 115,004 7,302,814 93,848 1.34	1,432 1,402 97.9 143,769 204,432 23,011,294 235,565 1.64 1.02 1,285 130,164 237,832 20,814,295 211,849 1.02	1,228 1,153 93.9 138,860 97,860 4,491,837 84,457 0.61 1.88 1,022 120,044 83,896 3,988,380 72,538 1.54	699 678 97.0 121,913 138,847 9,868,299 125,215 1.03 1.27 523 95,437 106,496 7,654,742 96,707 1.26	1,319 1,259 81.5 133,772 159,838 11,246,170 139,394 1.04 1.24 1,155 121,749 144,859 10,268,430 126,291 1.23	789 706 89.5 160,236 144,282 7,969,365 131,346 0.82 1.65 610 134,776 121,235 6,616,176 110,805 1.07	1,027 938 91.3 130,110 84,797 4,224,382 76,628 0.58 1.79 861 119,716 76,958 3,836,042 68,455 1.78	120 113 94.2 12,811 5,791 433,975 5,145 0.40 1.19 107 12,201 5,442 411,875 4,817 1.17	667 610 92.4 104,502 186,223 10,272,663 121,641 0.61 1.29 1.45 458 94,073 62,768 7,665,713 88,216 1.44	1,070 959 89.6 106,477 71,546 4,488,324 169,612 1.29 1.40 944 110,643 153,452 6,005,682 139,858 1.27	741 672 90.7 131,755 180,040 13,161,471 169,612 1.29 1.40 554 68,961 94,178 6,005,682 83,709 1.39	1,564 1,513 96.7 190,035 168,827 163,387 150,887 0.79 1.18 1,273 159,944 138,403 12,080,511 124,098 1.10		
1,659 810 789 47.6 60	2,088 1,170 869 41.6 49	1,119 330 751 67.1 38	1,237 404 816 66.0 17	1,492 569 905 60.7 18	830 231 549 66.1 50	1,211 625 541 44.7 42	1,050 323 692 65.9 35	291 188 97 33.3 6	650 369 274 41.8 13	1,607 876 675 42.0 66	932 237 629 67.5 66	1,033 314 692 87.0 27	1,877 1,132 734 39.1 11	
1,426 701 78,430 4,976,861 671 71,596 4,604,545 1,866,223 39.75 6,996 2,781 65.57 26.07 1 80 7,000 63	1,894 235 89,967 3,067,905 750 76,667 3,061,956 871,925 28.20 4,090 1,153 40.33 11.37 4 260 7,200 47	1,119 741 33,740 3,657,700 477 86,838 4,165,991 4,279,590 46.69 19,216 3,972 105.50 49.26 3 462 49,425 26	1,237 404 816 66.0 17	1,492 569 905 60.7 18	830 231 549 66.1 50	1,211 625 541 44.7 42	1,050 323 692 65.9 35	291 188 97 33.3 6	650 369 274 41.8 13	1,607 876 675 42.0 66	932 237 629 67.5 66	1,033 314 692 87.0 27	1,877 1,132 734 39.1 11	
4,353,395 1,756,693 142,452 106,098 0.94	2,829,756 787,776 27.84 48,442 6.15	7,695,235 3,600,590 47.40 196,105 5.45	4,071,585 1,803,119 44.29 108,250 6.00	6,544,128 3,205,943 48.29 181,051 5.85	2,113,345 913,604 43.23 58,854 5.89	1,555,459 488,212 30.70 32,940 6.75	6,485,125 2,925,693 45.11 164,613 5.63	371 76,648 371,000 2,925,693 45.11 164,613 5.63	5,182 371,000 246,443 34.13 16,147 6.25	31,418 722,010 2,502,772 196,334 17,632 5.28	54,431 6,795,633 2,993,612 65.91 132,142 5.28	67,815 6,734,375 2,993,612 65.91 132,142 5.28	78,376 6,734,375 2,993,612 65.91 132,142 5.28	58,947 8,376,030 3,062,784 36.57 170,753 5.68
1,429 1,322 92.7 147,576 158,496 9,499,101 142,452 0.97 1.205 132,511 142,925 8,580,651 128,093 1.50	1,894 1,743 92.0 158,010 171,609 5,942,136 62,636 0.40 1.05 1,581 142,536 63,503 5,301,838 55,448 1.93	741 961 90.1 113,518 179,324 11,928,729 153,821 1.40 1.33 586 80,800 139,719 9,372,302 124,079 1.32	990 341 33,305 3,657,700 633 70,446 4,260,135 1,898,795 48.87 6,730 3,000 60.47 26.95 1 442 4,000 15	1,094 440 63,246 4,483,176 640 106,893 4,260,135 3,732,693 48.87 9,295 5,832 72.19 34.92 2 442 24,120 33	1,094 447 31,037 1,128,502 258 67,269 2,398,198 999,813 41.69 9,295 3,875 35.65 14.86 1 240 1,000 33	1,111 229 70,958 1,653,302 486 67,453 1,775,329 553,872 31.20 6,053 1,140 26.32 8.21 2 280 4,500 33	708 668 94.0 132,574 135,983 11,141,290 121,382 0.92 2.09 511 102,607 100,773 8,550,695 90,403 1.06	284 183 40,934 3,845,470 452 94,590 8,065,160 3,610,761 48.53 17,343 7,767 63.50 37.00 1 155 5,300 24	291 188 97 33.3 6	650 369 274 41.8 13	1,607 876 675 42.0 66	932 237 629 67.5 66	1,033 314 692 87.0 27	1,877 1,132 734 39.1 11
122,511 142,925 8,580,651 128,093 1.50	1,581 142,536 63,503 5,301,838 55,448 1.93	895 80,800 139,719 9,372,302 10,158 1.35	867 137,223 126,025 9,825,670 110,212 1.12	867 137,223 126,025 9,825,670 110,212 1.12	350 87,219 54,553 3,022,293 48,766 1.61	913 114,002 67,417 2,972,501 61,487 2.07	511 102,607 100,773 8,550,695 90,403 1.06	247 17,745 10,395 880,695 170,632 1.09	413 57,725 29,589 1,202,580 27,807 2.31	1,042 130,834 192,030 15,239,652 170,632 1.12	498 91,048 106,657 7,110,311 97,277 1.37	520 102,171 116,068 8,974,730 105,810 1.17	1,422 152,897 225,037 20,894,245 197,551 0.95	
Isanti	Itasca	Jackson	Kanabec	Kandiyohi	Kittson	Koochi-ching	Lac qui Parle	Lake	Lake of the Woods	Le Sueur	Lincoln	Lyon	McLeod	

COUNTY TABLE XI.—FARM MORTGAGE DEBT, 1930; AND

ITEM (See definitions in Introduction)	Mahnomen	Marshall	Martin	Meeker	Mille Lacs	Morrison	Mower	Murray
FARM MORTGAGE DEBT, 1930								
1 All farms operated by owners.....number..	451	1,649	1,243	1,622	1,593	2,628	1,402	922
2 Free from mortgage debt.....number..	131	593	321	693	667	1,104	559	261
3 Mortgaged.....number..	313	992	829	906	1,007	1,433	773	638
4 Proportion of farms mortgaged.....per cent..	69.4	60.2	66.7	55.9	63.2	54.5	55.1	69.2
5 No mortgage report.....number..	7	64	93	23	19	91	70	23
6 Farms operated by full owners.....number..	242	994	963	1,250	1,255	2,035	1,053	565
7 Free from mortgage debt.....number..	86	412	272	555	452	895	451	181
8 Value of land and buildings.....dollars..	10,088	82,359	35,341	65,937	40,629	110,898	56,128	25,756
9 Mortgaged (amount of debt reported).....number..	260,450	2,120,880	4,428,901	6,244,213	3,217,025	6,849,258	5,144,785	2,320,195
10 Value of land and buildings.....dollars..	154	539	607	94	67	1,060	540	369
11 Value of land and buildings.....dollars..	24,039	122,188	98,454	94,282	69,708	145,647	77,372	72,891
12 Amount of mortgage debt.....dollars..	772,912	3,375,637	12,435,996	8,840,962	4,839,075	8,322,060	6,969,840	6,233,079
13 Ratio of debt to value.....per cent..	497,849	1,798,916	5,972,082	3,870,979	1,965,815	3,305,729	3,634,516	3,167,799
14 Average value per farm (land and buildings).....dollars..	64.41	53.27	48.03	43.77	40.62	39.72	51.92	49.80
15 Average amount of mortgage debt, per farm.....dollars..	5,019	6,283	20,558	13,255	6,426	7,851	12,953	16,892
16 Average value per acre (land and buildings).....dollars..	3,233	3,436	9,933	5,802	2,611	3,119	6,731	8,411
17 Average amount of mortgage debt, per acre.....dollars..	32.15	27.63	126.31	93.77	69.42	66.02	90.47	85.51
18 Average value per acre (land and buildings).....dollars..	20.71	14.72	50.66	41.05	28.20	22.25	46.97	42.58
19 Mortgaged (amount of debt not reported).....number..	2	3	1	3	9	6	8	1
20 Value of land and buildings.....dollars..		370	210	178	260	1,047	585	400
21 No mortgage report.....number..		10,740	32,900	12,250	24,800	46,800	52,350	30,000
22 Farms operated by full owners owning no other farm land: Reporting both mortgage debt and charges.....number..	2	40	68	17	17	71	56	14
23 Reporting both mortgage debt and charges.....acres..	140	509	527	607	685	905	484	298
24 Value of land and buildings.....dollars..	21,894	115,562	82,573	84,116	62,531	138,462	65,798	57,246
25 Amount of mortgage debt.....dollars..	699,712	3,177,637	10,263,329	7,816,512	4,401,975	7,826,130	5,829,040	5,069,659
26 Ratio of debt to value.....per cent..	457,149	1,706,158	4,603,607	3,430,872	1,798,940	3,128,629	3,661,256	2,522,742
27 Charges on mortgage debt (interest, etc.), 1929.....dollars..	65.33	63.69	47.78	43.89	40.87	39.93	52.52	60.35
28 Ratio of charges to debt.....per cent..	28,046	103,616	268,366	192,038	108,461	186,920	168,105	139,656
29 Ratio of charges to value.....per cent..	6.13	6.07	5.47	5.60	6.03	5.97	5.49	5.54
FARM TAXES, 1929								
30 Farms operated by full owners.....number..	242	994	963	1,260	1,255	2,035	1,053	565
31 Reporting both total taxes and real-estate taxes.....number..	220	873	912	1,205	1,201	1,880	973	530
32 per cent reporting.....per cent..	90.9	87.8	94.7	96.4	95.7	92.4	92.4	93.8
33 Taxes on all farm property.....dollars..	31,561	186,217	137,103	159,924	109,009	254,296	134,514	97,165
34 Value of land and buildings.....dollars..	22,135	112,248	226,976	178,427	131,847	208,037	183,569	130,144
35 Taxes on land and buildings only.....dollars..	993,782	5,177,073	17,232,695	14,918,175	7,955,700	14,832,158	12,082,655	8,415,814
36 Average, per acre.....dollars..	20,170	99,947	200,790	157,804	114,675	180,670	164,498	114,136
37 Ratio of taxes to value.....per cent..	0.64	0.54	1.46	0.99	1.05	0.71	1.22	1.17
38 Farms operated by full owners owning no other farm land: Reporting both total taxes and real-estate taxes.....number..	2.03	1.93	1.17	1.06	1.44	1.22	1.36	1.36
39 Reporting both total taxes and real-estate taxes.....acres..	196	780	731	1,062	1,085	1,743	796	408
40 Taxes on all farm property.....dollars..	27,891	167,035	109,417	140,834	97,462	233,272	107,621	73,764
41 Value of land and buildings.....dollars..	19,426	98,642	178,916	155,153	117,244	189,767	140,892	95,661
42 Taxes on land and buildings only.....dollars..	879,822	4,639,442	13,629,005	13,074,603	7,135,600	13,734,906	9,699,035	6,449,854
43 Ratio of taxes to value.....per cent..	17,706	87,675	167,790	137,337	102,991	164,607	131,872	84,012
44 Ratio of taxes to value.....per cent..	2.01	1.93	1.16	1.05	1.43	1.20	1.36	1.30

ITEM (See definitions in Introduction)	Rice	Rock	Roseau	St. Louis	Scott	Sherburne	Sibley	Stearns
FARM MORTGAGE DEBT, 1930								
1 All farms operated by owners.....number..	1,761	496	1,524	4,663	1,224	885	1,520	3,478
2 Free from mortgage debt.....number..	808	108	595	2,641	580	307	837	1,639
3 Mortgaged.....number..	925	368	888	1,848	629	480	630	1,678
4 Proportion of farms mortgaged.....per cent..	52.5	74.2	58.3	39.6	51.4	54.2	41.3	48.2
5 No mortgage report.....number..	28	20	41	174	15	98	59	161
6 Farms operated by full owners.....number..	1,407	350	1,085	4,427	1,026	666	1,204	2,872
7 Free from mortgage debt.....number..	661	84	451	2,532	499	243	674	1,381
8 Value of land and buildings.....dollars..	72,607	13,655	72,580	217,711	60,678	38,156	101,617	212,286
9 Mortgaged (amount of debt reported).....number..	7,969,455	1,641,920	1,616,525	9,096,990	7,071,570	1,903,101	10,537,013	14,578,521
10 Value of land and buildings.....dollars..	723	248	596	1,714	511	341	493	1,343
11 Value of land and buildings.....dollars..	85,245	50,940	113,775	161,428	64,255	48,665	77,549	207,053
12 Amount of mortgage debt.....dollars..	9,638,067	6,111,605	2,828,499	7,479,258	7,109,185	2,580,191	8,742,140	13,985,822
13 Ratio of debt to value.....per cent..	3,956,936	2,782,790	1,258,948	2,025,910	2,768,109	1,018,567	3,351,996	6,482,075
14 Average value per farm (land and buildings).....dollars..	41.49	45.53	44.51	27.09	38.94	39.48	38.34	46.35
15 Average amount of mortgage debt, per farm.....dollars..	13,192	24,643	4,746	4,364	13,912	7,667	17,733	10,414
16 Average value per acre (land and buildings).....dollars..	5,473	11,221	2,112	1,182	5,417	2,987	6,799	4,827
17 Average amount of mortgage debt, per acre.....dollars..	111.89	119.97	24.86	46.33	110.07	53.02	112.73	67.55
18 Average value per acre (land and buildings).....dollars..	46.42	54.63	11.07	12.55	43.09	20.93	43.22	31.31
19 Mortgaged (amount of debt not reported).....number..	2	4	2	16	3	-----	1	16
20 Value of land and buildings.....dollars..	44	880	120	1,952	300	-----	280	2,261
21 No mortgage report.....number..	11,500	97,200	2,100	89,200	26,600	-----	28,000	123,150
22 Farms operated by full owners owning no other farm land: Reporting both mortgage debt and charges.....number..	21	14	36	165	13	82	35	132
23 Reporting both mortgage debt and charges.....acres..	660	190	551	1,607	486	320	450	1,240
24 Value of land and buildings.....dollars..	78,150	36,822	104,656	151,673	60,927	45,213	69,304	129,218
25 Amount of mortgage debt.....dollars..	8,649,252	4,461,680	2,574,449	6,953,828	6,687,935	2,307,091	7,852,660	12,761,022
26 Ratio of debt to value.....per cent..	3,631,685	2,019,694	1,152,270	1,859,241	2,607,479	932,907	3,351,196	6,010,900
27 Charges on mortgage debt (interest, etc.), 1929.....dollars..	41.99	45.27	44.76	26.74	38.99	38.92	38.98	47.10
28 Ratio of charges to debt.....per cent..	199,902	104,374	70,817	118,113	138,390	60,970	156,995	351,833
29 Ratio of charges to value.....per cent..	5.50	5.17	6.15	6.35	6.31	6.54	5.13	5.85
FARM TAXES, 1929								
30 Farms operated by full owners.....number..	1,407	350	1,085	4,427	1,026	666	1,204	2,872
31 Reporting both total taxes and real-estate taxes.....number..	1,371	324	998	4,037	998	514	1,157	2,693
32 per cent reporting.....per cent..	97.4	92.6	91.8	91.2	97.3	77.2	96.6	93.8
33 Taxes on all farm property.....dollars..	157,156	64,104	178,226	363,900	129,932	76,677	182,008	419,819
34 Value of land and buildings.....dollars..	271,413	73,970	93,166	178,015	185,300	59,452	228,292	402,893
35 Taxes on land and buildings only.....dollars..	17,475,177	7,674,425	4,321,174	15,086,400	14,120,885	4,026,202	19,640,663	28,434,150
36 Average, per acre.....dollars..	242,661	64,346	81,796	155,026	163,207	63,942	204,596	349,407
37 Ratio of taxes to value.....per cent..	1.54	1.00	0.46	0.43	1.32	0.70	1.12	0.83
38 Farms operated by full owners owning no other farm land: Reporting both total taxes and real-estate taxes.....number..	1.30	0.84	1.89	0.97	1.16	1.34	1.04	1.23
39 Reporting both total taxes and real-estate taxes.....acres..	1,231	230	901	3,735	907	449	1,002	2,333
40 Taxes on all farm property.....dollars..	142,107	42,850	160,533	336,001	111,211	65,334	151,234	361,121
41 Value of land and buildings.....dollars..	238,882	48,630	83,282	162,006	165,829	49,348	187,996	343,375
42 Taxes on land and buildings only.....dollars..	16,631,100	5,141,710	3,872,114	14,721,960	12,730,435	3,467,872	16,443,763	24,312,098
43 Ratio of taxes to value.....per cent..	214,251	41,750	73,055	141,366	145,996	44,859	168,556	298,331
44 Ratio of taxes to value.....per cent..	1.37	0.81	1.89	0.96	1.15	1.29	1.03	1.23

CHARGES ON MORTGAGE DEBT, AND TAXES, 1929—Continued

Table with 15 columns for counties: Nicollet, Nobles, Norman, Olmsted, Otter Tail, Pennington, Pine, Pipestone, Polk, Pope, Ramsey, Red Lake, Redwood, and Renville. Each cell contains numerical data representing charges, with a final column for row indices from 1 to 44.

COUNTY TABLE XII.—COOPERATIVE MARKETING AND FARM EXPENDITURES, 1929; FARM MACHINERY, 1920; TENANTS RELATED TO LANDLORD AND CASH RENT PAID, 1930;

ITEM (See definitions in Introduction)		THE STATE	Aitkin	Anoka	Becker	Beltrami	Benton	Big Stone
COOPERATIVE MARKETING, 1929								
1	Cooperative marketing:							
2	Value of farm products sold.....dollars.....	105,965,586	505,642	675,463	1,267,279	176,721	534,080	290,804
3	Value of farm supplies purchased.....dollars.....	95,639	895	710	1,669	463	705	334
4	Value of all farm products ¹ on farms reporting cooperative sales.....dollars.....	6,414,232	68,602	26,378	87,169	10,804	17,725	18,028
5		39,561	387	360	719	88	148	162
6		250,594,425	1,263,841	1,556,553	2,791,050	663,465	1,514,573	1,003,053
FARM EXPENDITURES, 1929								
6	Expenditures for—							
7	Feed (hay, grain, mill feed, etc., "not raised on this farm").....dollars.....	19,678,966	249,863	308,620	201,254	155,485	155,299	104,630
8	Fertilizer (including commercial fertilizer, manure, marl, lime, and ground limestone).....dollars.....	113,627	1,604	1,088	1,636	1,345	1,042	605
9	Commercial fertilizer (quantity purchased).....dollars.....	714,055	3,141	23,419	2,446	1,919	1,579	125
10	Farm labor, exclusive of housework (cash).....dollars.....	9,402	58	344	44	57	20	4
11	Days of labor employed.....number.....	15,803	68	491	63	43	9	4
12	Farm implements and machinery (including automobiles, trucks, tractors, etc.).....dollars.....	8,968	56	344	43	52	14	3
13	Electric light and power (paid to a power company).....dollars.....	27,526,878	87,882	163,547	197,775	120,913	144,991	224,224
14		105,057	818	636	1,169	881	777	798
15		13,204,376	41,854	83,281	99,655	57,067	87,742	96,816
16		35,115,213	201,909	150,880	258,790	147,103	302,449	263,015
17		87,672	900	549	967	576	841	567
18		855,425	1,536	10,677	3,723	1,595	737	1,200
19		12,413	32	163	43	19	19	24
FARM MACHINERY, FACILITIES, AND ROADS, 1930								
19	Farm machinery:							
20	Automobiles.....number.....	185,717	1,857	1,289	2,424	1,446	1,558	1,148
21	Motor trucks.....number.....	159,372	1,723	1,164	2,190	1,343	1,419	1,001
22	Tractors.....number.....	36,557	273	451	348	172	162	214
23	Electric motors for farm work.....number.....	35,503	266	436	340	167	158	208
24	Stationary gas engines.....number.....	48,457	191	235	321	110	210	436
25	Telephones.....number.....	46,171	170	222	302	109	200	413
26	Water piped into farmer's dwelling house.....number.....	19,926	34	152	69	28	67	39
27	Water piped into bathroom.....number.....	11,721	27	90	46	14	40	30
28	Farmer's dwelling house lighted by electricity.....number.....	112,376	817	504	1,486	620	635	647
29	Kind of road:							
30	All farms.....number.....	93,382	690	446	1,232	521	559	549
31	Farms located on—							
32	Concrete road.....number.....	114,693	1,148	819	1,446	1,164	820	683
33	Brick road.....number.....	23,124	136	222	66	69	77	88
34	Asphalt road.....number.....	11,183	22	80	27	27	48	54
35	Macadam road.....number.....	23,342	71	239	112	39	120	80
36	Gravel road.....number.....	185,255	2,467	1,457	2,737	2,083	1,591	1,128
37	Sand-clay road.....number.....	2,259	113	4	1	1	2	14
38	Improved dirt road.....number.....	197	4	56	3	17	336	358
39	Unimproved dirt road.....number.....	1,355	577	481	516	317	536	358
40	All other (including not reported).....number.....	75,942	577	481	516	317	536	358
41		3,318	31	71	16	87	33	351
42		50,692	969	326	1,211	1,006	643	367
43		46,835	759	354	838	551	325	367
44		6,637	131	52	152	104	27	80
LAND OWNED AND RENTED BY PART OWNERS, 1930								
43	All land in farms operated by part owners.....acres.....	8,445,754	61,044	49,366	127,072	54,724	39,205	62,566
44	Owned and operated by part owners.....acres.....	3,604,575	26,464	28,662	66,603	33,519	25,497	34,302
45	Rented and operated by part owners.....acres.....	2,841,179	24,580	20,704	60,469	21,205	13,708	28,264
TENANCY								
46	Proportion of tenancy.....1930...per cent.....	31.1	12.0	21.1	25.3	12.9	21.2	51.3
47	.....1925...per cent.....	27.1	8.6	18.5	22.2	8.4	17.1	46.9
48	.....1920...per cent.....	24.7	6.6	18.1	19.3	5.8	12.8	40.0
TENANTS RELATED TO LANDLORD AND CASH RENT PAID, 1930								
49	All tenants.....number.....	57,633	295	308	692	268	337	578
50	Tenants related to landlord.....number.....	18,174	60	75	185	42	118	118
51	Proportion of all tenants.....per cent.....	31.5	20.3	24.4	26.7	15.7	35.0	20.4
52	Cash tenants.....number.....	23,242	194	176	217	172	149	66
53	Cash tenants related to landlord.....number.....	7,781	33	48	59	21	51	14
54	Proportion of all cash tenants.....per cent.....	33.5	17.0	27.3	27.2	12.2	34.2	21.2
55	Cash tenants reporting amount of rent.....number.....	23,134	193	175	214	172	147	66
56	Related to landlord.....number.....	7,753	33	48	59	21	50	14
57	land in farms.....acres.....	1,232,125	4,247	6,265	9,948	2,969	7,751	3,319
58	rent per year, total.....dollars.....	4,770,830	5,438	16,978	18,794	2,940	24,566	10,107
59	average rent per farm.....dollars.....	616	165	364	319	140	491	722
60	average rent per acre.....dollars.....	3.88	1.28	2.71	1.89	0.99	3.17	3.05
61	Not related to landlord.....number.....	13,239	131	95	136	128	72	50
62	land in farms.....acres.....	2,001,429	14,539	12,889	20,855	17,866	8,828	8,694
63	rent per year, total.....dollars.....	7,794,246	14,838	25,749	31,682	12,374	23,781	26,743
64	average rent per farm.....dollars.....	589	113	271	233	97	330	535
65	average rent per acre.....dollars.....	3.89	1.02	2.00	1.52	0.69	2.69	3.08
66	Relationship not reported.....number.....	2,142	20	32	19	23	25	2
67	All other tenants.....number.....	34,396	101	132	475	96	188	512
68	Other tenants related to landlord.....number.....	10,390	27	27	126	21	67	104
69	Proportion of all other tenants.....per cent.....	30.2	26.7	20.5	26.5	21.9	35.6	20.3
MOVEMENT OF FARM POPULATION, APRIL 1, 1929, TO MARCH 31, 1930								
70	Persons who moved—							
71	To farms from cities, villages, or other incorporated places.....number.....	16,469	324	303	303	283	132	72
72	From farms to cities, villages, or other incorporated places.....number.....	7,149	121	118	123	105	57	46
73		12,952	238	188	281	166	163	73
74		7,070	144	74	147	101	108	42

¹ Sold, traded, or consumed by operator's family.

FACILITIES, ROADS, AND LAND OWNED AND RENTED BY PART OWNERS, 1930; TENANCY, 1930, 1925, AND AND MOVEMENT OF FARM POPULATION, APRIL 1, 1929, TO MARCH 31, 1930

Blue Earth	Brown	Carlton	Carver	Cass	Chippewa	Chisago	Clay	Clear-water	Cook	Cotton-wood	Crow Wing	Dakota	Dodge	Douglas	
1,648,195 1,481 57,658 883 4,596,965	1,961,712 1,394 53,495 361 4,337,793	470,266 671 246,613 641 944,454	1,675,566 1,200 36,458 251 3,581,569	509,677 750 53,307 341 1,127,288	800,328 726 53,491 327 2,265,246	1,321,090 1,428 26,849 337 3,258,474	454,267 585 36,024 303 1,376,182	425,662 716 35,244 360 1,126,554	50 1 310 2 232	854,202 643 51,814 221 2,173,489	295,601 494 9,121 85 766,238	1,529,421 1,081 93,225 722 3,105,564	1,130,007 1,027 52,684 446 2,806,236	1,952,800 1,758 46,147 499 3,906,640	1 2 3 4 5
248,008 1,600 2,989 63 84 61 491,731 1,753 230,246 745,649 1,150 17,223 260	191,273 1,069 2,436 37 53 36 384,365 1,405 190,872 538,760 1,633 5,749 86	377,467 1,646 3,886 114 100 113 109,884 791 52,903 182,185 633 0,460 78	236,457 1,427 1,594 25 56 25 399,495 1,163 235,157 539,297 1,287 33,988 525	212,986 1,472 1,352 16 36 14 98,041 687 48,292 186,916 725 1,766 41	180,561 042 3,954 70 112 69 365,116 1,244 162,520 378,134 869 0,127 80	180,231 1,286 0,669 194 157 192 229,145 1,111 131,829 324,367 961 14,961 229	155,430 1,005 10,650 86 299 86 617,288 1,464 250,647 263,859 761 7,215 86	74,545 839 1,007 28 28 28 86,294 665 40,644 144,952 575 135 6	17,999 94 32 3 2 3 3,982 48 1,996 6,596 39 ----- -----	152,261 933 4,162 19 47 19 340,537 1,543 157,206 517,030 1,062 3,646 75	204,649 1,189 1,216 19 47 19 88,462 608 42,725 145,455 581 4,704 107	363,712 1,548 25,028 375 450 340 446,749 1,518 215,805 556,220 1,203 31,561 364	176,247 1,094 8,738 241 272 236 216,659 901 122,608 426,459 928 10,342 158	209,337 1,551 1,740 51 45 11 301,037 1,440 164,097 478,536 1,334 8,005 158	6 7 8 9 10 11 12 13 14 15 16 17 18
3,334 2,872 543 534 1,247 1,220 424 250 2,210 1,901 2,320 534 291 540 3,112 3	2,264 1,958 636 628 780 755 173 115 1,594 1,300 1,470 298 143 252 2,105 ----- ----- 1,654 1 199 130 148	1,536 1,418 436 417 170 167 566 67 47 552 471 859 223 43 144 2,070 59	2,241 1,879 1,123 1,098 566 546 47 384 1,023 867 1,473 652 296 682 2,041 63	1,594 1,448 232 226 173 163 182 99 874 744 1,093 143 19 74 2,010 ----- ----- 80 251 33 1,121 470 105	1,935 1,736 456 450 659 639 343 204 1,394 1,155 1,153 106 163 185 1,730 2	2,060 1,736 615 450 254 249 737 210 117 1,297 507 1,589 356 131 312 2,024 85	2,070 1,771 106 105 203 192 14 11 596 507 1,065 225 8 237 2,087 19	1,138 1,045 106 17 8 8 208 1 1 21 21 806 22 8 47 1,500 ----- ----- 239 8 789 406 78	99 91 330 323 149 144 143 50 723 618 1,240 119 57 211 1,949 ----- ----- 666 178 79 850 381 91	1,342 1,252 244 229 609 587 77 77 314 1,403 618 882 150 57 180 1,696 ----- ----- 178 4 347 74	2,172 1,939 828 787 609 587 474 314 1,403 1,231 1,183 491 280 562 2,251 ----- ----- 1,473 4 347 74	1,818 1,512 330 321 670 639 202 119 1,215 977 1,270 158 101 266 1,752 ----- ----- 965 3 412 72	2,829 2,378 290 293 462 444 301 173 2,316 1,724 1,671 179 130 287 2,626 ----- ----- 1,222 12 522 788 65	19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42	
87,083 50,654 36,429	63,741 41,129 22,812	21,023 12,595 9,028	18,829 11,338 7,491	66,650 35,718 30,932	69,697 40,472 29,225	39,190 23,410 15,780	149,095 79,798 69,297	57,109 30,883 26,226	518 380 138	89,918 51,330 38,588	56,894 30,796 26,098	68,102 40,542 27,580	44,321 24,309 20,012	83,619 48,753 34,866	43 44 45
34.8 35.1 30.8	35.2 35.0 35.2	6.6 4.3 3.6	21.8 18.2 17.0	21.8 15.9 11.1	44.2 43.1 37.6	22.1 17.4 16.0	41.8 38.9 34.8	14.3 10.1 7.0	2.4 2.6 2.8	47.2 47.6 41.8	18.7 16.6 17.4	31.7 25.5 24.7	43.7 42.5 38.0	23.4 21.5 18.3	46 47 48
1,083 345 31.9 429 132 30.8 426 131 18,988 97,877 5,15 255 35,771 199,804 784 5.59 40 654 213 32.6	740 318 43.0 337 171 50.7 333 170 29,628 128,195 4.33 134 22,221 113,443 347 5.11 29 403 147 36.5	137 29 21.2 95 13 13.7 95 13 1,042 2,298 2.21 63 7,637 9,654 153 1.26 19 42 16 38.1	444 238 53.6 342 183 53.5 339 181 20,973 110,479 5.27 138 14,648 88,995 645 6.08 102 55 53.9	439 61 13.9 221 24 10.9 221 24 2,583 2,947 1.14 185 25,176 21,103 114 0.94 12 218 37 17.0	765 248 32.4 210 79 37.6 209 79 16,376 66,745 4.08 123 21,271 95,607 364 4.49 34 555 169 30.5	447 167 37.4 289 100 34.6 289 100 13,483 45,485 3.37 155 17,189 56,490 3.29 3.62 7 158 67 42.4	873 229 26.2 157 53 33.8 152 52 10,828 24,873 2.30 83 18,493 37,127 447 2.01 31 127 176 24.6	214 38 17.8 87 8 9.2 87 8 1,159 1,185 1.02 48 6,778 7,232 151 1.07 31 127 30 23.6	3 1 33.3 3 1 33.3 3 1 154 120 0.78 2 320 95 48 0.30 ----- ----- ----- -----	920 273 29.7 184 64 34.8 184 64 10,927 49,941 4.57 105 19,690 24,051 849 4.89 15 736 209 28.4	317 50 15.8 203 26 12.8 200 26 3,606 4,651 1.29 152 19,690 24,051 168 1.22 22 114 24 21.1	713 254 35.6 350 108 30.9 349 107 15,178 60,213 3.97 219 27,895 123,057 562 4.43 23 363 146 40.2	766 205 26.8 223 57 25.6 222 57 8,965 30,590 3.41 128 18,827 71,859 561 3.82 37 543 148 27.3	614 230 37.5 286 105 36.7 285 104 15,068 44,313 2.94 159 22,446 63,731 561 2.01 22 328 125 38.1	49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69
241 104 148 82	344 116 99 41	281 87 94 132	182 87 94 56	335 115 203 109	67 46 76 41	245 123 163 100	207 81 204 100	119 50 71 42	6 3 4 4	114 41 80 40	399 148 221 110	286 126 229 98	222 82 86 53	145 80 166 96	70 71 72 73

COUNTY TABLE XII.—COOPERATIVE MARKETING AND FARM EXPENDITURES, 1929; FARM MACHINERY, 1920; TENANTS RELATED TO LANDLORD AND CASH RENT PAID, 1930; AND

ITEM (See definitions in Introduction)		Faribault	Fillmore	Freeborn	Goodhue	Grant	Hennepin	Houston
COOPERATIVE MARKETING, 1929								
1	Cooperative marketing:							
2	Value of farm products sold.....dollars	2,057,509	1,970,262	3,240,177	2,028,964	1,303,142	1,820,784	862,069
3	Value of farm supplies purchased.....dollars	1,468	1,900	2,047	1,006	1,043	1,593	1,092
4	Value of all farm products ¹ on farms reporting cooperative sales.....dollars	108,925	43,613	366,461	103,998	52,684	108,824	27,260
5		756	378	1,548	675	267	994	144
		5,511,026	5,284,475	6,907,614	4,571,218	2,806,540	4,391,755	2,824,286
FARM EXPENDITURES, 1929								
6	Expenditures for—							
7	Feed (hay, grain, mill feed, etc., "not raised on this farm").....dollars	279,517	328,194	376,001	254,371	120,523	798,405	188,708
8	Fertilizer (including commercial fertilizer, manure, marl, lime, and ground limestone).....dollars	1,474	1,854	1,969	1,804	754	2,912	1,249
9	Commercial fertilizer (quantity purchased).....dollars	16,518	13,471	136,661	7,613	6,832	77,819	6,568
10	Farm labor, exclusive of housework (cash).....dollars	287	277	546	151	81	540	127
11	Days of labor employed.....number	473	188	2,634	326	166	885	172
12	Farm implements and machinery (including automobiles, trucks, tractors, etc.).....dollars	286	186	545	146	80	368	127
13	Electric light and power (paid to a power company).....dollars	532,153	495,956	695,090	696,047	188,360	1,029,462	266,496
14		1,684	1,988	2,005	2,244	833	2,356	1,174
15		254,297	244,591	303,609	353,444	96,861	454,827	129,925
16		731,756	665,280	703,711	695,990	293,815	723,889	354,153
17		1,577	1,679	1,620	1,614	702	1,700	954
18		22,511	16,679	21,841	10,770	6,182	67,028	4,423
		305	282	316	153	82	963	108
FARM MACHINERY, FACILITIES, AND ROADS, 1930								
19	Farm machinery:							
20	Automobiles.....number	2,927	3,286	3,473	3,472	1,539	3,665	1,998
21	Motor trucks.....number	2,327	2,751	2,768	2,766	1,246	3,235	1,680
22	Tractors.....number	485	439	793	856	235	1,774	466
23	Electric motors for farm work.....number	474	434	775	819	232	1,657	457
24	Stationary gas engines.....number	1,033	792	1,114	1,328	467	648	448
25	Telephones.....number	1,001	766	1,076	1,271	444	620	442
26	Water piped into farmer's dwelling house.....number	561	439	571	228	230	865	312
27	Water piped into bathroom.....number	261	261	314	123	116	569	195
28	Farmer's dwelling house lighted by electricity.....number	1,857	1,926	2,370	2,620	1,175	1,798	1,114
29	Kind of road:	1,555	1,579	1,843	1,977	911	1,532	905
30	All farms.....number	2,480	3,186	3,089	3,044	1,377	3,981	1,910
31	Farms located on—							
32	Concrete road.....number		1	33	52	2	158	10
33	Brick road.....number						4	
34	Asphalt road.....number				2		70	
35	Macadam road.....number				5		348	17
36	Gravel road.....number	1,379	910	1,682	1,567	563	2,509	223
37	Sand-clay road.....number	1	1	3	29	2	27	2
38	Improved dirt road.....number	431	895	640	522	334	279	582
39	Unimproved dirt road.....number	593	1,208	652	809	435	438	1,000
40	All other (including not reported).....number	76	171	79	58	41	148	76
LAND OWNED AND RENTED BY PART OWNERS, 1930								
41	All land in farms operated by part owners.....acres	74,811	91,731	69,782	76,060	81,134	53,377	56,062
42	Owned and operated by part owners.....acres	43,467	50,545	39,927	45,733	45,006	29,227	33,958
43	Rented and operated by part owners.....acres	31,344	41,186	29,855	30,327	36,128	24,150	22,094
TENANCY								
44	Proportion of tenancy.....1930..per cent.	41.4	38.8	38.7	37.4	42.8	22.1	29.8
45	.....1925..per cent.	42.8	35.7	37.3	35.0	34.7	19.5	27.3
46	.....1920..per cent.	37.6	35.0	33.0	32.4	35.1	20.2	23.1
TENANTS RELATED TO LANDLORD AND CASH RENT PAID, 1930								
47	All tenants.....number	1,027	1,236	1,194	1,138	590	881	559
48	Tenants related to landlord.....number	344	528	378	527	169	366	272
49	Proportion of all tenants.....per cent.	33.5	42.6	31.7	46.3	28.6	41.5	47.8
50	Cash tenants.....number	405	454	563	486	140	733	258
51	Cash tenants related to landlord.....number	138	170	143	222	59	296	106
52	Proportion of all cash tenants.....per cent.	34.1	37.4	25.4	45.7	42.1	40.4	41.1
53	Cash tenants reporting amount of rent.....number	493	452	563	483	140	731	258
54	Related to landlord.....number	137	170	143	222	59	296	106
55	land in farms.....acres	23,768	26,334	22,097	36,734	12,529	24,067	18,068
56	rent per year, total.....dollars	123,136	106,705	100,620	136,085	34,448	129,080	59,819
57	average rent per farm.....dollars	899	628	708	612	584	426	564
58	average rent per acre.....dollars	5.18	4.05	4.55	3.70	2.75	5.36	3.31
59	Not related to landlord.....number	238	232	363	211	75	364	111
60	land in farms.....acres	39,596	36,437	50,214	29,959	14,007	27,907	15,882
61	rent per year, total.....dollars	231,701	158,287	273,358	120,143	36,397	166,359	68,033
62	average rent per farm.....dollars	974	682	753	509	485	457	523
63	average rent per acre.....dollars	6.85	4.34	5.44	4.01	2.80	5.96	3.65
64	Relationship not reported.....number	28	50	57	50	6	71	41
65	All other tenants.....number	622	782	631	652	460	148	311
66	Other tenants related to landlord.....number	206	356	235	305	110	70	166
67	Proportion of all other tenants.....per cent.	33.1	45.5	37.2	46.8	24.4	47.3	53.4
MOVEMENT OF FARM POPULATION, APRIL 1, 1929, TO MARCH 31, 1930								
68	Persons who moved—							
69	To farms from cities, villages, or other incorporated places.....number	453	287	363	193	124	577	124
70	From farms to cities, villages, or other incorporated places.....number	145	144	168	99	65	259	48
71		198	240	264	141	181	348	134
72		98	136	124	88	85	187	73

¹ Sold, traded, or consumed by operator's family.

AGRICULTURE—MINNESOTA

FACILITIES, ROADS, AND LAND OWNED AND RENTED BY PART OWNERS, 1930; TENANCY, 1930, 1925, AND MOVEMENT OF FARM POPULATION, APRIL 1, 1929, TO MARCH 31, 1930—Continued

Hubbard	Isanti	Itasca	Jackson	Kanabec	Kandiyohi	Kittson	Koochi- ching	Lac qui Parle	Lake	Lake of the Woods	Le Sueur	Lincoln	Lyon	McLeod	
117,946 213 6,107 34 342,892	673,147 980 45,916 307 2,077,796	93,818 282 84,202 309 450,667	1,025,464 785 69,100 302 3,076,983	1,010,331 1,093 139,108 784 1,945,892	2,160,934 1,735 170,444 743 4,292,751	581,012 717 15,732 162 1,771,036	69,130 200 8,688 68 266,495	1,619,587 1,192 111,578 663 3,992,192	22,028 79 22,393 63 70,556	85,730 190 15,964 157 242,607	1,309,023 1,279 31,718 249 3,491,863	1,236,109 772 81,942 571 2,712,295	1,396,648 1,014 83,112 503 3,437,120	2,187,908 1,669 92,929 778 4,875,752	1 2 3 4 5
121,137 855	151,454 1,222	220,104 1,373	234,328 1,370	178,618 1,081	209,222 1,370	66,313 623	92,280 736	216,682 1,185	54,772 276	66,705 464	170,631 1,178	168,128 939	185,059 977	230,230 1,503	6 7
466 15 12 15 38,767 425 20,805 74,662 361 1,303 89	10,647 206 466 206 145,931 930 74,800	600 228 15 20 113,562 900 47,106	14,772 228 373 223 460,351 1,665 207,103	1,924 27 40 27 78,815 558 42,031	6,129 103 165 108 413,243 1,615 213,173	1,156 20 31 19 305,518 835 119,666	393 9 12 9 82,960 612 32,456	1,377 25 38 25 384,733 1,468 177,571	163 10 5 2 17,599 111 8,774	30 2 1 2 31,208 293 11,462	1,406 25 41 25 316,856 1,304 144,083	1,284 73 29 33 333,711 1,312 134,797	6,809 73 160 71 435,175 1,412 184,746	3,161 71 84 71 398,879 1,530 220,012	8 9 10 11 12 13 14
190,606 361 1,303 89	190,606 703 4,701 78	214,431 728 2,872 45	746,191 1,372 5,136 76	140,383 506 3,669 65	484,266 1,297 10,037 108	215,512 461 1,410 41	107,318 338 1,472 24	563,717 1,180 5,587 70	27,256 96 818 23	44,441 1,192 17,632 4	560,204 1,192 17,632 247	410,535 905 3,881 72	438,258 1,073 5,316 83	585,745 1,399 10,758 161	15 16 17 18
1,000 980 188 136 111 111 29 22 606 526 652 50 22 52 1,304	2,028 1,731 468 464 252 244 142 102 788 703 1,474 484 151 186 2,080	1,561 1,464 412 304 161 188 78 52 466 416 1,134 112 40 98 2,278	2,547 2,107 590 581 230 951 174 65 1,679 1,410 1,696 164 151 222 2,244	1,473 1,303 157 152 230 225 87 55 945 822 1,003 82 29 145 1,535	2,837 2,387 391 386 837 805 231 147 1,987 1,609 1,528 193 108 259 2,544	1,237 1,098 147 144 614 501 60 38 732 567 786 41 18 102 1,344	716 673 163 157 140 130 15 10 181 165 525 38 16 35 1,278	2,340 1,987 416 410 917 47 207 110 1,498 1,268 1,234 176 111 222 2,109	248 212 57 45 47 46 23 17 73 68 190 36 14 36 298	403 383 47 45 52 588 584 360 236 598 1,114 902 1,137 384 253 414 2,139	1,811 1,490 265 262 502 473 108 79 1,114 902 939 112 68 158 1,578	2,178 1,864 308 305 737 691 148 96 1,046 902 1,436 241 130 253 1,992	2,801 2,355 1,095 1,080 728 710 415 228 1,821 1,518 1,597 428 271 455 2,503	19 20 21 22 23 24 25 26 27 28 29 30 31 32 33	
158 40 687 394 25	790 1 478 623 74	898 203 546 517 104	1,010 775 403 443 55	55 446 1 688 321 24	7 1,043 5 514 802 70	5 189 4 824 259 62	42 376 26 493 287 64	1 735 26 901 443 27	6 237 4 24 12 2	195 4 194 226 104	1,415 580 279 400 42	580 917 394 567 37	917 677 350 31	1,834 204 388 40 41	34 35 36 37 38 39 40 41 42
53,324 30,502 22,822	37,213 22,463 14,760	28,756 17,119 11,037	90,258 40,343 40,915	42,344 24,482 17,862	90,862 52,117 33,745	166,455 83,713 82,742	17,025 10,853 6,172	97,321 53,351 43,970	483 361 122	23,159 12,350 10,809	61,317 36,233 25,084	78,626 43,288 35,338	80,771 45,080 35,691	43,989 27,203 16,786	43 44 45
17.5 14.4 12.1	17.9 16.3 14.3	7.9 5.1 6.2	49.7 48.5 42.6	19.3 14.2 9.6	41.0 36.3 30.6	37.8 25.1 18.1	4.9 3.5 4.0	49.2 46.9 43.3	1.7 2.3 1.9	9.1 3.1 -----	24.2 20.2 17.0	40.6 40.1 36.3	47.7 46.9 40.7	24.3 20.4 18.6	46 47 48
228 40 17.5 93 11 11.8 82 11 1,650 1,439 131 0.87 72 9,711 9,725 135 1.00 9 135 29 21.5	364 121 33.2 128 43 33.6 128 43 6,073 15,933 371 2.62 67 6,779 17,533 262 2.59 18 236 78 33.1	180 37 20.6 110 16 14.5 109 16 1,048 1,464 92 1.40 84 7,505 13,332 159 1.78 9 236 21 30.0	1,116 334 29.9 413 141 34.1 413 141 22,022 110,956 851 5.23 233 39,074 225,165 966 5.76 39 703 193 27.5	297 62 20.9 182 31 17.0 182 31 3,380 7,690 248 2.28 123 15,494 31,572 247 3.36 23 115 31 27.0	1,042 295 28.3 427 145 34.0 427 145 25,679 80,730 57 3.14 323 41,345 138,831 553 0.74 31 150 24.4	508 91 17.9 123 17 13.8 122 17 3,771 5,456 787 1.45 96 20,182 14,908 155 0.74 9 385 74 19.2	63 6 9.5 37 ----- 37 ----- ----- 36 4,163 3,429 95 0.82 1 26 6 23.1	1,037 302 29.1 192 75 39.1 192 75 15,369 59,028 787 3.84 110 20,875 80,782 734 3.87 7 227 26.9	5 ----- 4 4 14.3 4 4 ----- ----- ----- 0.61 4 594 204 51 0.34 ----- ----- ----- -----	66 14 21.2 28 131 43.1 302 79 85 4.78 148 3,372 2,924 139 6.55 24 38 107 26.3	517 238 46.0 304 79 33.9 233 79 339 611 4.73 135 17,757 95,905 655 5.46 19 213 105 50.2	640 184 28.8 233 70 33.9 233 79 64,795 64,820 4.01 155 22,096 105,574 752 4.85 40 672 105 25.8	950 227 23.9 278 74 26.6 276 73 14,312 61,687 845 4.31 169 34,885 173,851 1,029 5.06 33 407 153 22.8	607 243 40.9 450 186 53 449 185 26,041 122,777 664 4.71 255 33,963 185,999 729 5.48 9 157 62 39.5	49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69
94 42 77 49	151 68 131 75	327 129 203 118	183 74 112 70	73 31 97 51	113 67 206 112	55 33 65 42	163 61 91 52	133 59 119 54	22 12 18 14	48 30 32 17	125 77 108 59	38 19 88 43	80 41 119 75	185 73 182 92	70 71 72 73

COUNTY TABLE XII.—COOPERATIVE MARKETING AND FARM EXPENDITURES, 1929; FARM MACHINERY, 1920; TENANTS RELATED TO LANDLORD AND CASH RENT PAID, 1930; AND

ITEM (See definitions in Introduction)		Mah-nomen	Marshall	Martin	Meeker	Mille Laes	Morrison	Mower
COOPERATIVE MARKETING, 1929								
1	Cooperative marketing:							
2	Value of farm products sold.....dollars.....	233,549	775,311	1,788,511	2,756,054	1,305,256	1,301,154	1,182,817
3	Value of farm supplies purchased.....dollars.....	5,168	46,222	106,584	91,956	129,942	57,310	87,742
4	Value of all farm products ¹ on farms reporting cooperative sales.....dollars.....	485,040	2,523,708	5,295,768	5,062,214	2,910,068	2,911,769	3,576,486
FARM EXPENDITURES, 1929								
6	Expenditures for—							
7	Feed (hay, grain, mill feed, etc., "not raised on this farm").....dollars.....	53,185	138,807	409,018	189,691	197,919	252,530	323,876
8	Fertilizer (including commercial fertilizer, manure, marl, lime, and ground limestone).....dollars.....	7,250	6,856	17,199	1,988	5,668	1,817	31,857
9	Commercial fertilizer (quantity purchased).....tons.....	38	124	290	50	34	35	598
10	Farm labor, exclusive of housework (cash).....dollars.....	83,404	315,618	534,912	332,192	119,984	188,062	309,952
11	Days of labor employed.....number.....	37,078	138,526	266,031	183,727	63,674	102,025	161,108
12	Farm implements and machinery (including automobiles, trucks, tractors, etc.).....dollars.....	67,854	358,197	820,136	510,353	183,506	483,300	400,989
13	Electric light and power (paid to a power company).....dollars.....	268	1,103	1,568	1,291	717	1,581	1,175
14		959	2,752	15,728	5,929	3,211	15,288	7,292
15		21	45	225	84	66	207	147
FARM MACHINERY, FACILITIES, AND ROADS, 1930								
19	Farm machinery:							
20	Automobiles.....number.....	568	2,357	2,945	2,630	1,836	2,060	2,513
21	Motor trucks.....number.....	78	236	679	390	218	273	307
22	Tractors.....number.....	102	1,011	952	668	108	345	806
23	Electric motors for farm work.....number.....	40	62	396	309	109	287	293
24	Stationary gas engines.....number.....	362	1,559	2,032	1,809	951	1,552	1,697
25	Farm facilities:							
26	Telephones.....farms reporting.....	138	1,488	2,139	1,535	1,068	1,492	1,706
27	Water piped into farmer's dwelling house.....farms reporting.....	10	129	314	351	104	155	274
28	Water piped into bathroom.....farms reporting.....	5	32	109	184	32	51	190
29	Farmer's dwelling house lighted by electricity.....farms reporting.....	31	91	447	313	172	279	361
30	Kind of road:							
31	All farms.....number.....	681	2,508	2,561	2,479	2,025	3,260	2,506
32	Farms located on—							
33	Concrete road.....number.....			2	18		26	31
34	Brick road.....number.....							1
35	Asphalt road.....number.....					2		
36	Macadam road.....number.....	16				51	29	
37	Gravel road.....number.....	68	486	1,790	1,810	938	755	968
38	Sand-clay road.....number.....		34		3	45	30	
39	Improved dirt road.....number.....	289	1,109	217	239	505	1,083	877
40	Unimproved dirt road.....number.....	275	804	453	808	458	1,160	507
41	All other (including not reported).....number.....	35	75	99	92	28	168	122
LAND OWNED AND RENTED BY PART OWNERS, 1930								
43	All land in farms operated by part owners.....acres.....	59,811	228,451	59,640	64,999	41,524	117,273	77,315
44	Owned and operated by part owners.....acres.....	31,862	114,167	35,182	37,699	24,888	73,211	41,926
45	Rented and operated by part owners.....acres.....	27,949	114,284	24,458	27,300	16,636	44,062	35,389
TENANCY								
46	Proportion of tenancy.....1930.....per cent.....	33.5	34.0	50.9	34.1	20.9	19.2	42.9
47	.....1925.....per cent.....	23.0	21.4	47.7	26.3	15.3	15.9	45.9
48	.....1920.....per cent.....	19.5	17.9	42.3	21.5	9.9	11.7	40.1
TENANTS RELATED TO LANDLORD AND CASH RENT PAID, 1930								
49	All tenants.....number.....	228	853	1,304	846	423	626	1,076
50	Tenants related to landlord.....number.....	30	146	388	281	120	195	294
51	Proportion of all tenants.....per cent.....	13.2	17.1	29.8	33.2	28.4	31.2	27.3
52	Cash tenants.....number.....	59	247	687	515	271	303	337
53	Cash tenants related to landlord.....number.....	9	41	218	176	62	82	86
54	Proportion of all cash tenants.....per cent.....	15.3	16.6	31.7	34.2	22.9	27.1	25.5
55	Cash tenants reporting amount of rent.....number.....	59	244	686	515	271	301	336
56	Related to landlord.....number.....	9	40	218	176	62	82	86
57	land in farms.....acres.....	1,623	7,728	38,160	26,419	6,169	12,012	13,867
58	rent per year, total.....dollars.....	1,777	8,559	228,645	94,700	22,512	28,454	53,260
59	average rent per farm.....dollars.....	197	214	1,049	638	363	347	619
60	average rent per acre.....dollars.....	1.09	1.11	5.99	3.58	3.65	2.37	3.84
61	Not related to landlord.....number.....	49	162	422	296	177	166	215
62	land in farms.....acres.....	7,418	33,334	70,863	45,673	16,073	21,115	31,637
63	rent per year, total.....dollars.....	7,063	24,024	479,013	172,027	47,205	41,671	134,505
64	average rent per farm.....dollars.....	144	148	1,135	581	267	251	626
65	average rent per acre.....dollars.....	0.95	0.72	6.76	3.77	2.94	1.97	4.25
66	Relationship not reported.....number.....	1	42	46	43	32	53	35
67	All other tenants.....number.....	169	606	617	331	152	323	739
68	Other tenants related to landlord.....number.....	21	105	170	105	58	113	268
69	Proportion of all other tenants.....per cent.....	12.4	17.3	27.6	31.7	38.2	35.0	28.1
MOVEMENT OF FARM POPULATION, APRIL 1, 1929, TO MARCH 31, 1930								
70	Persons who moved—							
71	To farms from cities, villages, or other incorporated places.....number.....	46	129	246	193	245	327	380
72	From farms to cities, villages, or other incorporated places.....number.....	23	65	113	86	104	130	139
73		39	163	167	126	210	219	386
74		24	96	80	68	124	120	146

¹ Sold, traded, or consumed by operator's family.

AGRICULTURE—MINNESOTA

879

FACILITIES, ROADS, AND LAND OWNED AND RENTED BY PART OWNERS, 1930; TENANCY, 1930, 1925, AND MOVEMENT OF FARM POPULATION, APRIL 1, 1929, TO MARCH 31, 1930—Continued

Murray	Nicollet	Nobles	Norman	Olmsted	Otter Tail	Pennington	Pine	Pipestone	Polk	Pope	Ramsey	Red Lake	Redwood	Renville	
835,038 865 56,381 383 2,825,403	1,674,587 1,027 34,932 332 3,490,344	632,092 462 80,602 841 2,203,904	803,536 1,001 37,933 338 2,472,367	1,647,898 1,303 31,637 292 4,147,734	6,327,970 5,141 427,598 2,033 10,652,820	408,497 591 18,065 185 1,179,697	1,408,863 1,073 124,296 829 2,985,971	170,994 230 23,236 132 716,863	1,431,018 1,871 81,463 951 4,411,824	1,298,757 1,067 31,852 183 2,084,107	230,274 189 7,165 69 446,024	251,012 291 11,614 119 561,433	1,947,857 1,493 48,151 271 5,119,586	3,763,760 2,408 304,148 1,197 7,916,410	1 2 3 4 5
193,831 1,254	126,710 803	233,788 1,196	127,345 1,028	282,780 1,427	549,581 3,873	99,857 685	413,193 2,410	183,876 717	309,899 2,333	157,750 1,068	358,892 816	60,738 535	281,208 1,334	453,938 1,759	6 7
5,566 81 92 77 423,468 1,722 168,729	4,365 64 158 64 340,115 1,679 180,539	4,497 78 132 73 453,344 1,653 210,424	12,579 131 315 131 323,030 1,290 149,761	17,187 237 428 236 496,873 1,511 252,207	5,597 82 103 82 681,991 3,665 386,336	959 24 33 24 73,028 428 37,842	9,428 229 281 260 158,741 1,104 80,600	2,545 43 69 41 275,558 1,090 108,813	24,165 306 668 303 858,129 2,816 375,413	1,405 224 39 24 230,768 1,090 123,256	21,359 224 370 220 292,356 464 117,651	657 19 18 18 67,700 446 33,678	2,599 52 67 52 625,295 2,054 245,984	8,892 161 205 146 568,929 2,028 277,187	8 9 10 11 12 13 14
670,967 1,276 5,945 102	411,610 830 9,219 107	569,098 1,286 10,412 147	262,513 785 6,022 89	622,993 1,349 13,769 150	1,112,552 3,314 22,571 266	114,762 363 319 9	364,503 1,363 13,989 193	304,727 1,862 2,634 48	722,760 1,000 8,819 128	397,023 1,000 3,170 44	117,037 344 36,821 660	119,339 344 264 12	746,529 1,436 9,835 138	850,398 1,717 9,060 149	15 16 17 18
2,350 1,031 282 277 757 706 227 163 1,200 1,052	1,718 1,381 1,520 506 714 687 255 142 1,424 1,085	2,446 2,040 254 247 735 708 143 114 1,240 1,131	1,965 1,646 290 281 633 573 192 98 1,164 916	2,489 2,084 501 474 785 748 348 217 440 1,332	6,910 5,885 813 802 1,014 964 659 340 5,329 4,041	1,031 897 70 69 240 224 9 8 537 454	2,869 2,581 408 391 366 388 312 180 1,785 1,565	1,367 1,175 159 166 368 369 64 52 665 583	4,013 3,506 570 556 1,263 435 417 92 192 2,710 2,107	2,055 1,621 318 312 435 417 107 379 279 1,328 1,064	842 750 672 508 113 190 182 17 12 394 189	814 739 81 81 190 107 17 12 212 344	2,919 2,513 354 346 1,061 1,008 1,224 223 134 1,603 1,650	3,568 2,970 722 702 1,270 1,224 335 173 2,800 2,328	19 20 21 22 23 24 25 26 27 28
1,306 228 118 301	1,182 472 182 258	1,594 1,666 124 335	1,309 234 60 172	1,839 440 253 414	4,329 478 175 580	491 25 13 35	1,491 207 66 283	843 92 56 143	2,587 306 126 317	1,303 158 225 120	634 437 93 687	488 51 10 24	1,509 224 163 284	1,826 288 176 368	29 30 31 32
2,038 2	1,473 13	2,119 11	1,946 1	2,400 1	6,702 2	1,100	3,288 90	1,255	4,205 3	1,762	1,074 283	891	2,646	3,185	33 34
540 942 519 35	1,046 161 219 34	787 662 615 44	348 985 527 85	1,233 1 591 511 39	1,558 10 2,770 2,090 244	216 51 380 420 30	555 1 1,746 805 90	350 745 449 414 36	745 13 1,700 1,494 246	720 3 445 487 92	522 6 35 98 31	239 6 399 202 45	1,663 289 601 93	1,970 2 9 496 67	35 36 37 38 39 40 41 42
96,004 52,815 43,189	49,497 29,472 20,025	85,427 46,344 39,083	129,550 61,912 67,638	71,760 41,016 30,744	240,522 136,645 103,877	85,324 43,259 42,065	64,491 38,990 26,101	45,377 25,217 20,160	289,548 138,694 150,854	98,741 53,594 40,147	7,464 3,695 3,769	82,074 38,668 43,406	106,054 61,241 44,813	106,813 60,963 45,850	43 44 45
54.4 52.3 43.5	34.5 33.7 34.1	57.3 56.5 63.5	39.9 35.0 31.2	38.8 32.5 28.9	28.2 22.7 17.3	36.0 19.7 14.4	15.3 10.0 7.5	58.8 54.7 54.3	34.8 29.0 26.5	32.9 31.2 28.7	11.8 9.9 20.0	33.4 29.8 21.9	48.1 44.5 40.8	42.2 40.8 37.7	46 47 48
1,109 271 24.4 300 92 29.8 302 91 16,998 77,502 852 4.56 182 34,511 163,923 901 4.75 29 800 179 22.4	508 247 48.6 314 151 48.1 313 150 27,005 115,962 773 4.29 155 28,825 123,907 799 4.62 8 194 96 49.5	1,215 860 29.6 467 145 31.0 467 145 28,438 148,976 1,027 5.24 294 57,652 331,078 1,126 5.74 28 748 215 28.7	777 227 29.2 102 41 40.2 102 87 7,501 18,225 445 2.43 51 9,451 23,690 465 2.51 10 603 186 27.6	884 288 32.6 281 87 31.0 280 87 14,327 60,781 699 4.24 161 56,994 100,151 622 4.47 4.32 675 201 33.3	1,889 678 35.9 681 237 34.8 316 238 4,688 88,815 378 2.30 350 27,958 18,579 138 0.66 63 1,208 441 36.5	396 46 11.6 187 24 12.8 187 24 88 10,055 4,801 200 1.02 140 27,058 41,774 133 0.66 23 209 22 10.5	502 142 28.3 317 89 25.2 316 78 88 16,335 80,000 328 2.87 191 40,618 41,774 219 1.93 37 185 53 28.6	788 165 22.4 310 78 25.2 305 78 102 16,335 80,000 1,026 4.80 168 33,899 55,379 1,075 5.24 29 428 310 20.3	1,463 416 28.4 328 106 32.3 321 177 102 11,719 35,792 351 1.96 180 33,899 55,379 308 1.93 39 1,135 110 27.3	580 168 29.0 177 49 27.7 177 49 42 11,719 26,015 543 2.27 115 21,219 52,821 459 2.49 13 403 310 29.5	127 44 34.5 121 42 34.7 121 42 14 2,063 15,231 563 7.38 66 3,812 27,119 411 7.11 13 6 2 33.3	298 61 20.5 60 14 23.3 60 14 106 2,995 4,007 286 1.34 39 7,990 8,010 205 1.00 7 238 47 19.7	1,273 413 32.4 231 107 46.3 280 106 18,927 85,134 805 4.50 75 12,961 66,710 889 5.15 49 1,042 306 29.4	1,343 462 34.4 473 205 43.3 472 205 37,470 151,568 739 4.05 244 41,068 190,535 781 64 2.64 870 267 29.5	49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69
167 78 209 101	72 32 62 25	94 42 38 22	108 58 129 83	288 129 216 110	525 235 477 259	71 31 92 54	268 112 243 160	76 36 84 25	264 132 244 141	117 43 91 55	225 86 109 46	32 17 57 36	169 80 92 64	236 125 196 111	70 71 72 73

COUNTY TABLE XII.—COOPERATIVE MARKETING AND FARM EXPENDITURES, 1929; FARM MACHINERY, 1920; TENANTS RELATED TO LANDLORD AND CASH RENT PAID, 1930; AND

ITEM (See definitions in Introduction)		Rice	Rock	Roseau	St. Louis	Scott	Sherburne	Sibley
COOPERATIVE MARKETING, 1929								
1	Cooperative marketing:							
2	Value of farm products sold.....dollars..	1,066,491	314,923	792,437	290,741	1,107,284	334,672	2,059,823
3	Value of farm supplies purchased.....dollars..	859	406	1,270	688	1,000	389	1,423
4	Value of all farm products on farms reporting cooperative sales.....dollars..	80,457	37,357	36,141	239,402	43,918	14,655	77,653
5		345	186	342	686	487	229	561
		2,475,745	1,674,230	2,081,866	750,609	2,810,934	865,512	4,532,182
FARM EXPENDITURES, 1929								
6	Expenditures for—							
7	Feed (hay, grain, mill feed, etc., "not raised on this farm").....dollars..	207,715	261,555	141,020	943,311	142,448	134,322	170,944
8	Fertilizer (including commercial fertilizer, manure, marl, lime, and ground limestone).....dollars..	1,273	877	1,276	4,022	961	780	1,217
9	Commercial fertilizer (quantity purchased).....dollars..	4,594	2,187	943	11,118	1,845	7,468	2,714
10	Farm labor, exclusive of housework (cash).....dollars..	93	42	14	163	32	93	45
11	Days of labor employed.....number..	102	58	20	227	48	100	66
12	Farm implements and machinery (including automobiles, trucks, tractors, etc.).....dollars..	93	41	11	161	32	90	44
13	Electric light and power (paid to a power company).....dollars..	369,048	303,123	97,853	458,685	217,085	122,062	372,477
14		1,418	1,052	640	1,912	938	568	1,421
15		205,307	159,773	53,890	182,879	119,208	64,293	107,335
16		408,676	419,800	171,936	411,618	389,755	173,348	623,448
17		1,240	797	602	1,295	870	476	1,312
18		17,106	6,991	892	20,145	17,341	2,123	14,642
		246	85	19	291	180	31	219
FARM MACHINERY, FACILITIES, AND ROADS, 1930								
19	Farm machinery:							
20	Automobiles.....number..	2,465	1,574	1,515	3,455	1,736	1,156	2,576
21	Motor trucks.....number..	2,132	1,280	1,386	3,194	1,458	1,046	2,107
22	Tractors.....number..	587	230	143	1,132	406	166	884
23	Electric motors for farm work.....number..	578	226	131	1,054	401	159	865
24	Stationary gas engines.....number..	698	435	398	586	361	191	816
25	Telephones.....number..	679	418	367	564	357	180	793
26	Water piped into farmer's dwelling house.....number..	351	93	25	176	373	57	440
27	Water piped into bathroom.....number..	207	50	18	111	196	35	221
28	Farmer's dwelling house lighted by electricity.....number..	1,513	877	638	798	835	572	1,665
29	Kind of road:	1,306	776	548	712	766	503	1,465
30	All farms.....number..	2,359	1,338	1,922	4,872	1,577	1,214	2,215
31	Farms located on—							
32	Concrete road.....number..	61		1	134	46	58	1
33	Brick road.....number..	1			7		10	10
34	Asphalt road.....number..	3	10		32		28	
35	Macadam road.....number..	1,562	333	306	3,741	914	236	1,617
36	Gravel road.....number..	2		2	55	18	13	4
37	Sand-clay road.....number..	199	244	1,024	321	209	567	135
38	Improved dirt road.....number..	479	702	490	407	332	276	391
39	Unimproved dirt road.....number..	52	49	90	175	58	22	57
40	All other (including not reported).....number..							
LAND OWNED AND RENTED BY PART OWNERS, 1930								
41	All land in farms operated by part owners.....acres..	51,451	40,072	131,280	24,372	31,492	53,715	59,695
42	Owned and operated by part owners.....acres..	32,210	21,687	71,331	15,055	19,096	29,475	37,226
43	Rented and operated by part owners.....acres..	19,241	18,385	59,949	9,317	12,396	24,240	22,469
TENANCY								
44	Proportion of tenancy.....1930..per cent..	24.7	62.4	20.6	3.7	21.8	26.5	30.4
45	.....1925..per cent..	23.5	58.2	12.7	2.8	20.1	25.0	28.6
46	.....1920..per cent..	20.0	58.9	8.6	3.4	17.8	19.1	28.1
TENANTS RELATED TO LANDLORD AND CASH RENT PAID, 1930								
47	All tenants.....number..	582	835	395	179	344	322	673
48	Tenants related to landlord.....number..	232	216	60	25	127	74	275
49	Proportion of all tenants.....per cent..	39.9	25.9	15.2	14.0	36.9	23.0	41.0
50	Cash tenants.....number..	252	481	135	129	256	78	438
51	Cash tenants related to landlord.....number..	85	120	20	14	85	18	206
52	Proportion of all cash tenants.....per cent..	33.7	24.9	14.8	10.9	33.2	23.1	42.4
53	Cash tenants reporting amount of rent.....number..	250	481	135	129	256	75	487
54	Related to landlord.....number..	84	120	20	14	85	16	206
55	land in farms.....acres..	11,034	22,629	3,540	1,271	11,621	2,737	34,211
56	rent per year, total.....dollars..	62,703	131,965	2,963	1,785	45,581	6,735	143,862
57	average rent per farm.....dollars..	627	1,100	148	128	536	421	693
58	average rent per acre.....dollars..	4.78	5.83	0.84	1.40	3.96	2.47	4.21
59	Not related to landlord.....number..	149	313	86	100	154	51	263
60	land in farms.....acres..	18,575	66,776	15,193	7,296	22,082	8,528	45,885
61	rent per year, total.....dollars..	89,930	403,970	11,957	17,087	96,842	17,751	215,253
62	average rent per farm.....dollars..	604	1,291	139	171	629	348	813
63	average rent per acre.....dollars..	4.84	6.05	0.79	2.34	4.39	2.08	4.74
64	Relationship not reported.....number..	17	48	29	15	17	8	18
65	All other tenants.....number..	330	354	260	50	88	244	185
66	Other tenants related to landlord.....number..	147	96	40	11	42	56	69
67	Proportion of all other tenants.....per cent..	44.5	27.1	15.4	22.0	47.7	23.0	37.3
MOVEMENT OF FARM POPULATION, APRIL 1, 1929, TO MARCH 31, 1930								
68	Persons who moved—							
69	To farms from cities, villages, or other incorporated places.....number..	220	42	108	675	132	61	137
70	From farms to cities, villages, or other incorporated places.....number..	90	25	44	246	64	28	63
71	.....farms reporting.....	161	42	88	467	112	74	110
72	.....farms reporting.....	78	19	48	316	46	45	57

¹ Sold, traded, or consumed by operator's family.

AGRICULTURE—MINNESOTA

FACILITIES, ROADS, AND LAND OWNED AND RENTED BY PART OWNERS, 1930; TENANCY, 1930, 1925, AND MOVEMENT OF FARM POPULATION, APRIL 1, 1929, TO MARCH 31, 1930—Continued

Stearns	Steele	Stevens	Swift	Todd	Traverse	Wabasha	Wadena	Waseca	Washing- ton	Watonwan	Wilkin	Winona	Wright	Yellow Medicine
2,612,079	1,876,654	850,548	762,235	3,258,627	672,729	1,109,426	818,605	1,100,312	1,282,968	1,540,621	503,447	1,537,469	2,255,853	2,299,072
2,624	1,266	672	722	2,846	587	936	959	1,070	1,000	985	496	1,339	2,342	1,550
105,022	99,102	33,541	40,253	223,085	10,817	60,125	72,801	23,244	69,797	86,112	33,273	60,553	64,167	174,216
529	640	253	312	1,202	59	423	421	179	690	514	221	549	529	1,030
6,296,506	3,713,107	2,015,245	2,090,914	5,836,570	1,581,469	3,122,610	1,581,820	3,156,846	2,844,679	3,260,170	1,562,223	3,749,007	5,461,080	5,021,243
451,242	189,822	107,818	134,450	329,518	114,426	197,822	192,262	113,980	346,970	200,146	122,917	244,362	392,430	247,780
2,721	1,164	644	852	2,332	526	1,121	1,065	833	1,454	889	626	1,360	2,202	1,326
1,948	7,973	1,696	2,341	3,221	256	9,328	187	2,515	11,690	6,828	3,460	7,133	1,461	5,150
34	149	37	36	84	5	153	7	47	205	120	38	118	41	74
51	212	40	69	74	6	229	4	77	172	32	82	239	39	107
34	149	37	35	84	5	177	5	47	186	120	37	116	32	74
549,614	619,162	187,582	268,583	249,922	227,296	450,816	57,118	305,565	398,335	250,905	291,970	428,370	393,796	434,857
2,473	1,020	799	1,172	1,541	798	1,253	443	1,028	1,298	891	831	1,381	1,834	1,538
343,440	237,282	90,727	126,313	141,652	106,565	198,184	33,243	159,399	196,214	127,427	136,592	217,257	230,236	202,460
789,480	400,731	299,347	341,000	563,466	239,752	519,229	134,949	407,010	348,265	448,484	297,978	498,430	500,911	550,704
2,307	1,054	665	824	1,804	515	1,082	519	953	918	602	602	1,189	1,412	1,181
22,654	29,767	2,088	2,155	9,219	2,234	9,042	1,121	12,524	27,147	13,171	6,914	23,229	13,814	6,112
324	312	33	46	144	38	127	29	154	347	162	53	329	201	97
4,531	2,131	1,376	1,925	3,067	1,143	1,999	1,268	1,813	1,887	1,724	1,297	2,225	3,909	2,638
4,233	1,742	1,192	1,666	3,259	1,013	1,597	1,160	1,546	1,637	1,411	1,075	1,867	3,365	2,073
867	481	242	324	332	231	304	144	382	720	285	289	496	832	431
849	470	240	322	330	225	285	143	377	655	278	275	487	815	427
937	727	528	518	403	453	747	133	613	375	658	628	700	717	926
918	709	492	497	396	443	713	131	604	357	640	562	687	705	865
543	768	84	64	191	63	314	41	288	488	343	132	518	299	248
278	369	58	42	124	37	183	27	156	285	199	77	300	194	133
3,510	1,405	755	1,222	2,738	561	1,424	670	1,223	1,298	1,346	638	1,575	1,886	1,748
2,932	1,192	665	1,037	2,287	477	1,117	581	1,075	1,052	1,095	541	1,288	1,673	1,424
2,468	1,459	747	1,047	2,184	677	1,419	694	1,154	1,435	952	624	1,676	2,560	1,321
306	279	170	80	109	74	527	52	319	568	160	137	801	836	232
214	151	56	43	58	37	174	19	138	316	116	45	223	373	119
586	443	118	121	249	81	334	62	279	504	289	139	656	505	257
4,656	1,925	1,292	1,844	3,703	1,109	1,782	1,405	1,678	1,963	1,480	1,193	2,158	3,745	2,209
46	94	5	11	1		24			147	11		116		34
												10		35
												1		36
6	1	8		1		1	2		4			1		37
1,898	1,176	461	614	865	377	636	86	814	864	957	245	746	2,338	790
7		3	1	11		7	10		70	4		1	56	38
779	163	460	528	1,365	537	410	847	292	379	270	621	420	368	807
1,748	336	304	594	1,323	126	600	420	542	447	201	286	660	913	557
172	155	50	96	113	39	77	26	29	48	37	46	65	69	55
125,267	32,862	92,535	114,121	98,772	73,712	49,962	54,409	50,430	63,298	49,918	118,013	37,852	72,952	101,669
80,068	20,518	52,989	58,838	58,371	40,314	29,787	31,204	30,733	31,080	27,733	58,015	23,286	44,294	56,970
45,199	12,344	39,546	55,283	40,401	33,398	20,175	23,205	19,697	22,218	22,185	59,998	14,566	28,688	44,699
24.6	29.7	51.7	40.3	25.2	57.1	36.0	27.5	34.3	20.2	42.6	50.1	31.0	24.1	46.9
21.7	27.1	52.7	41.8	20.2	53.6	32.9	19.6	36.0	19.1	38.7	49.2	25.9	20.0	44.4
17.5	24.0	46.7	35.9	17.9	54.7	29.9	14.9	28.0	20.2	38.0	43.7	24.5	15.9	36.3
1,146	571	668	853	934	633	641	385	575	397	631	600	668	904	1,035
476	231	137	189	303	137	285	103	229	205	216	110	305	334	398
41.5	40.6	20.5	22.2	32.4	21.6	44.5	26.7	39.8	51.6	34.2	18.3	45.7	36.9	38.5
612	283	116	147	507	48	263	162	336	304	238	55	311	576	257
280	95	38	43	160	22	123	44	124	158	97	16	144	197	117
45.8	33.0	32.8	29.3	31.6	45.8	46.8	27.2	36.9	52.0	40.8	29.1	46.3	34.2	45.5
610	283	111	147	506	48	258	162	333	304	237	54	310	573	257
280	95	38	43	159	22	121	44	123	158	97	16	143	196	117
45,063	13,263	8,722	9,488	23,280	5,440	20,819	6,622	17,904	19,787	16,377	4,636	24,424	20,051	24,171
147,924	63,986	24,949	25,276	59,083	15,427	81,803	13,666	77,094	69,052	79,680	11,898	56,015	96,418	90,440
528	674	657	588	372	701	371	311	627	437	821	744	602	492	850
3,08	4,82	2,86	2,66	2,54	2,84	3,63	2,06	4,31	3,49	4,87	2,57	3,52	4,81	4,11
285	160	72	83	293	25	121	111	187	135	132	31	135	298	133
46,330	21,651	14,780	13,400	39,303	5,734	17,282	16,467	26,878	17,331	20,270	6,556	20,703	29,197	24,557
145,236	116,078	47,788	38,585	92,626	17,459	71,850	27,910	131,668	61,876	108,468	14,439	81,021	134,274	114,560
510	725	664	465	316	700	594	251	704	458	822	466	600	451	861
3.13	5.36	3.23	2.88	2.36	3.05	4.16	1.69	4.90	3.57	5.35	2.20	3.91	4.60	4.67
45	28	1	21	54	1	16	7	23	11	8	7	32	79	7
534	288	552	708	427	585	378	224	239	93	393	545	367	328	778
196	136	99	146	143	115	162	59	105	47	119	94	161	137	281
86.7	47.2	17.9	20.7	33.5	19.7	42.9	26.3	43.9	50.5	30.3	17.2	45.1	41.8	36.1
213	91	175	176	292	35	116	141	68	227	197	75	146	142	201
80	52	95	61	115	19	64	65	34	108	87	36	82	71	90
188	117	165	93	268	31	99	95	76	164	115	64	167	154	188
88	81	77	51	153	13	58	59	42	93	53	84	84	94	72