

# MAINE.

## INTRODUCTION.

In the following pages are presented all the statistics of agriculture for Maine collected at the census of 1920, except a few minor items which are given in the state tables of the United States summary, at the beginning of this volume, and certain detailed tabulations which appear in Volume V of the Fourteenth Census Reports. The statistics of farms and farm property, including live stock, relate to January 1, 1920; those of live-

stock products, crops, and farm expenditures are for the calendar year 1919. In order to show the present tendency in agriculture, comparative figures for the census of 1910 are given throughout; and to show the general trend of the agricultural industry over a considerable period of time, all general farm information available is presented for the different censuses since 1850.

## FARMS AND FARM PROPERTY.

TABLE 1.—SUMMARY: 1920 AND 1910.

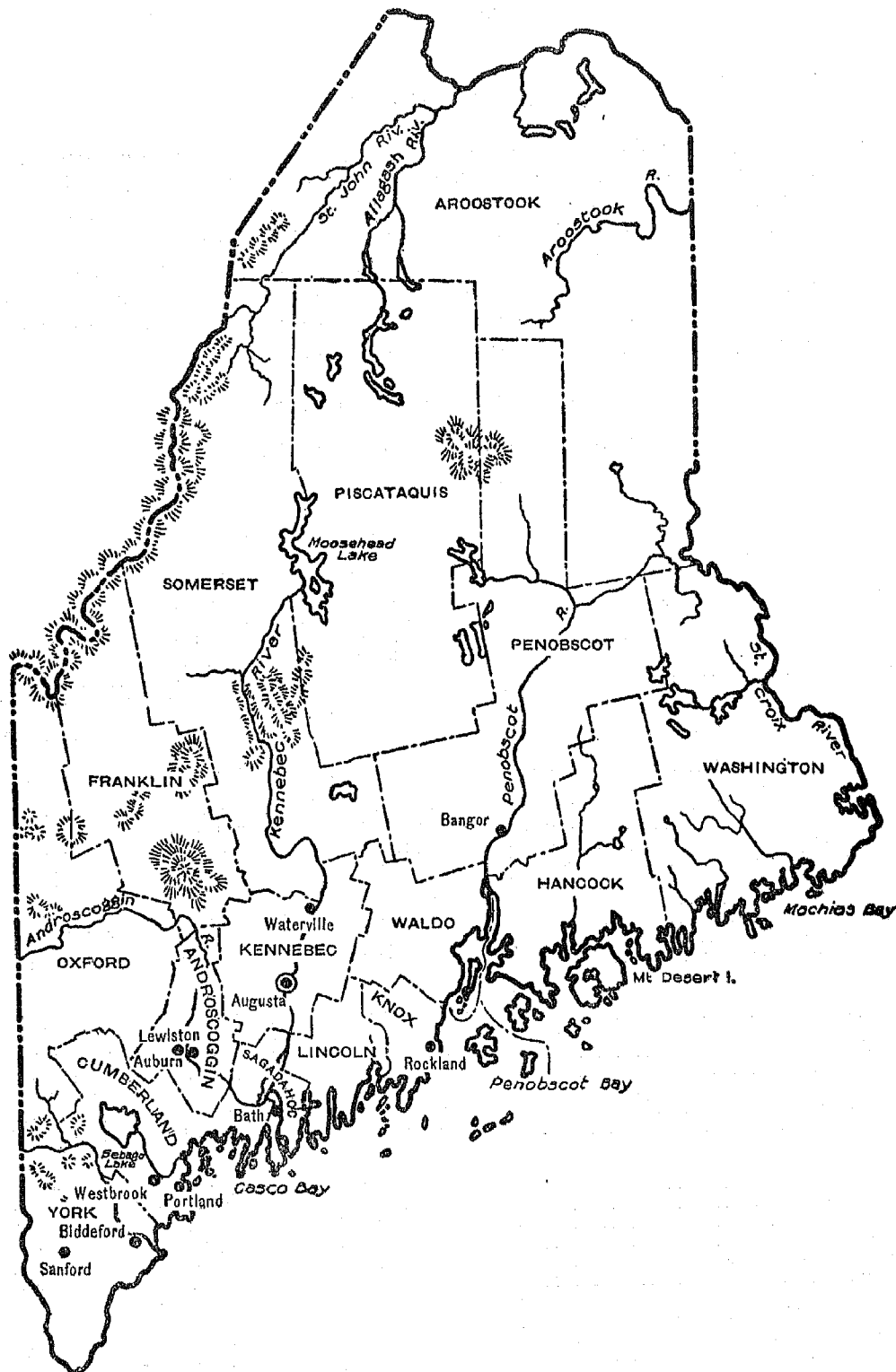
ITEM.	1920 (January 1)	1910 (April 15)	INCREASE. <sup>1</sup>	
			Amount.	Per cent.
Population, total.....	768,014	742,371	25,643	3.5
Rural <sup>2</sup> .....	468,445	480,123	-11,678	-2.4
Urban.....	299,569	262,248	37,321	14.2
Per cent rural.....	61.0	64.7		
Number of farms.....	48,227	60,016	-11,789	-19.6
Approximate land area of the state.....acres..	19,132,800	19,132,800		
All land in farms.....acres..	5,425,968	6,296,859	-870,891	-13.8
Improved land in farms.....acres..	1,977,329	2,360,657	-383,328	-16.2
Woodland in farms.....acres..	2,447,597	2,775,621	-328,024	-11.8
Other unimproved land in farms.....acres..	1,001,042	1,160,581	-159,539	-13.7
Per cent of land area in farms.....	28.4	32.9		
Per cent of farm land improved.....	36.4	37.5		
Average acreage per farm.....	112.5	104.9	7.6	7.2
Average improved acreage per farm.....	41.0	39.3	1.7	4.3
Value of all farm property.....	\$270,526,733	\$199,271,998	\$71,254,735	35.8
Land and buildings.....	204,108,971	159,619,626	44,489,345	27.9
Land alone.....	114,411,871	86,481,395	27,930,476	32.3
Buildings.....	89,697,100	73,138,231	16,558,869	22.6
Implements and machinery.....	26,637,660	14,490,533	12,147,127	83.8
Live stock.....	39,780,102	25,161,839	14,618,263	58.1
Average value per farm:				
All farm property.....	5,609	3,320	2,289	68.9
Land and buildings.....	4,232	2,660	1,572	59.1
Land alone.....	2,372	1,441	931	64.6
Buildings.....	1,860	1,219	641	52.6
Implements and machinery.....	552	241	311	129.0
Live stock.....	825	419	406	96.9
Average value per acre of land in farms:				
All farm property.....	49.86	31.65	18.21	57.5
Land and buildings.....	37.62	25.35	12.27	48.4
Land alone.....	21.09	13.73	7.36	53.6
Buildings.....	16.53	11.62	4.91	42.3
Implements and machinery.....	4.91	2.30	2.61	113.5
Live stock.....	7.33	4.00	3.33	83.3

<sup>1</sup> A minus sign (—) denotes decrease.

<sup>2</sup> Population residing outside of incorporated places having 2,500 inhabitants or over. The rate of increase (or decrease) in the rural population between the two censuses is affected somewhat by the fact that certain places classified as rural in 1910 had become urban by 1920. The population in 1910 of the territory classified as rural in 1920 was 477,395. For this territory, the population shows a decrease between 1910 and 1920 amounting to 1.9 per cent, which percentage indicates the rate of decline in the rural population, leaving out of consideration the changes in classification of territory.

# MAINE

COUNTIES, PRINCIPAL CITIES, RIVERS, AND MOUNTAINS.



EXPLANATION OF TERMS.

To assist in securing comparability for its statistics of agriculture, the Bureau of the Census provided the enumerators with certain definitions and instructions, the more important of which were essentially as given below.

**Farm.**—A "farm" for census purposes is all the land which is directly farmed by one person managing and conducting agricultural operations, either by his own labor alone or with the assistance of members of his household or hired employees. The term "agricultural operations" is used as a general term, referring to the work of growing crops, producing other agricultural products, and raising domestic animals, poultry, and bees. A "farm" as thus defined may consist of a single tract of land or of a number of separate and distinct tracts, and these several tracts may be held under different tenures, as where one tract is owned by the farmer and another tract is hired by him. When a landowner has one or more tenants, renters, croppers, or managers, the land operated by each is considered a "farm."

In applying the foregoing definition of a "farm" for census purposes, enumerators were instructed to report as a "farm" any tract of 3 or more acres used for agricultural purposes, and also any tract containing less than 3 acres which produced at least \$250 worth of farm products in the year 1919, or required for its agricultural operations the continuous services of at least one person.

**Farmer.**—A "farmer" or "farm operator," according to the census definition, is a person who directs the operation of a farm. Hence owners of farms who do not themselves direct the farm operations are not reported as "farmers." Farmers are divided by the Bureau of the Census into three general classes according to the character of their tenure, namely, owners, managers, and tenants.

**Farm owners** include (1) farmers operating their own land only and (2) those operating both their own land and some land hired from others. The latter are sometimes referred to in the census reports as "part owners," the term "full owners" being then used for those owning all their land.

**Managers** are farmers who are conducting farm operations for the owner for wages or a salary.

**Farm tenants** are farmers who, as tenants, renters, or croppers, operate hired land only. They were reported in 1920 in five classes: (1) Share tenants—those who pay a certain share of the products, as one-half, one-third, or one-quarter, for the use of the farm but furnish their own farm equipment and animals; (2) croppers—share tenants who do not furnish their work animals; (3) share-cash tenants—those who pay a share of the products for part of the land rented by them and cash for part; (4) cash tenants—those who pay a cash rental, as \$7 per acre of crop land or \$500 for the use of the whole farm; (5) standing renters—those who pay a stated amount of farm products for the use of the farm, as 3 bales of cotton or 500 bushels of corn. In some cases the character of the tenancy was not ascertained by the enumerator; such tenants are designated "unspecified."

**Farm land.**—Farm land is divided into (1) improved land, (2) woodland, and (3) other unimproved land.

**Improved land** includes all land regularly tilled or mowed, land in pasture which has been cleared or tilled, land lying fallow, land in gardens, orchards, vineyards, and nurseries, and land occupied by farm buildings.

**Woodland** includes all land covered with natural or planted forest trees which produce, or later may produce, firewood or other forest products.

**All other unimproved land** includes brush land, rough or stony land, swamp land, and any other land which is not improved or in forest.

The census classification of farm land as "improved land," "woodland," and "other unimproved land" is one not always easy for the farmers or enumerators to make, and the statistics, therefore, must be considered at best only a close approximation.

NUMBER OF FARMS, ACREAGE, AND VALUE.

TABLE 2.—NUMBER OF FARMS AND FARM ACREAGE: 1850 TO 1920.

CENSUS YEAR.	FARMS.		LAND IN FARMS.				Per cent of land area in farms.	Per cent of farm land im- proved.
	Number.	Per cent of in- crease. <sup>1</sup>	All land.		Improved land.			
			Acres.	Per cent of in- crease. <sup>1</sup>	Acres.	Per cent of in- crease. <sup>1</sup>		
1920.....	48,227	-19.0	5,425,068	-13.8	1,977,329	-10.2	28.4	36.4
1910.....	60,016	1.2	6,290,859	( <sup>2</sup> )	2,300,657	-1.1	32.9	37.5
1900.....	59,299	-4.4	6,290,946	1.9	2,380,889	-21.6	32.9	37.9
1890.....	62,013	-3.0	6,179,925	-5.7	3,044,666	-12.0	32.3	49.3
1880.....	64,300	7.5	6,552,578	12.2	3,484,908	19.4	34.2	53.2
1870.....	59,804	7.4	5,838,058	1.9	2,917,793	7.9	30.5	50.0
1860.....	55,698	19.1	5,727,671	25.7	2,704,133	32.6	29.9	47.2
1850.....	40,700		4,556,393		2,039,596		23.8	44.8

<sup>1</sup> A minus sign (—) denotes decrease.

<sup>2</sup> Less than one-tenth of 1 per cent decrease.

TABLE 3.—VALUE OF FARM PROPERTY: 1850 TO 1920.

CENSUS YEAR.	ALL FARM PROPERTY.		LAND AND BUILDINGS.		IMPLEMENTS AND MACHINERY.		LIVE STOCK.	
	Value.	Per cent of increase. <sup>1</sup>	Value.	Per cent of increase. <sup>1</sup>	Value.	Per cent of increase.	Value.	Per cent of increase. <sup>1</sup>
1920.....	\$270,526,733	35.8	\$204,108,971	27.9	\$26,637,660	83.8	\$39,780,102	58.1
1910.....	190,271,098	62.8	159,619,926	65.4	14,490,533	64.6	25,161,830	47.1
1900.....	122,410,904	0.1	96,602,150	-2.1	8,902,720	60.1	17,108,034	-6.4
1890.....	122,347,283	-1.2	98,567,730	-3.7	5,496,413	11.1	18,280,140	10.8
1880.....	123,805,039	18.0	102,357,016	24.3	4,948,048	28.6	16,499,378	-11.7
1870.....	104,932,554	7.7	82,399,561	4.7	3,847,290	16.6	18,685,703	21.0
1860.....	97,424,355	45.7	78,688,525	43.4	3,208,327	44.4	15,437,533	59.1
1850.....	96,352,031	.....	54,801,748	.....	2,284,557	.....	9,705,726	.....

<sup>1</sup> A minus sign (—) denotes decrease.

<sup>2</sup> Computed gold values, being 80 per cent of the currency values reported.

TABLE 4.—AVERAGE ACREAGE AND AVERAGE VALUE PER FARM: 1850 TO 1920.

[Averages are based on "all farms" in the state.]

CENSUS YEAR.	AVERAGE ACREAGE PER FARM.		AVERAGE VALUE PER FARM.			
	All land.	Improved land.	All farm property.	Land and buildings.	Implements and machinery.	Live stock.
1920.....	112.5	41.0	\$5,009	\$4,232	\$552	\$825
1910.....	104.9	39.3	3,320	2,660	241	419
1900.....	106.2	40.3	2,064	1,627	148	289
1890.....	99.7	49.1	1,973	1,589	80	295
1880.....	101.0	54.2	1,925	1,592	77	257
1870 <sup>1</sup> .....	97.6	48.8	1,754	1,377	64	212
1860.....	102.8	48.5	1,749	1,413	59	277
1850.....	97.4	43.6	1,430	1,173	49	208

<sup>1</sup> Computed gold values, being 80 per cent of the currency values reported.

TABLE 5.—AVERAGE VALUE PER ACRE: 1850 TO 1920.

[Averages are based on "all land in farms" in the state.]

CENSUS YEAR.	All farm property.	Land and buildings.	Land alone.	Buildings alone.	Implements and machinery.	Live stock.
1920.....	\$49.86	\$37.62	\$21.09	\$16.53	\$4.01	\$7.33
1910.....	31.65	25.35	13.73	11.62	2.30	4.00
1900.....	19.43	15.32	7.83	7.48	1.40	2.72
1890.....	19.80	15.95	.....	.....	0.89	2.96
1880.....	18.89	15.62	.....	.....	0.76	2.52
1870 <sup>1</sup> .....	17.97	14.11	.....	.....	0.66	3.20
1860.....	17.01	13.74	.....	.....	0.58	2.70
1850.....	14.68	12.04	.....	.....	0.50	2.13

<sup>1</sup> Computed gold values, being 80 per cent of the currency values reported.

## AGRICULTURE—MAINE.

## FARMS BY SIZE.

TABLE 6.—NUMBER OF FARMS, BY SIZE: 1920 AND 1910.

SIZE GROUP.	NUMBER OF FARMS.		INCREASE. <sup>1</sup>		PER CENT OF TOTAL.	
	1920	1910	Number.	Per cent.	1920	1910
Total.....	48,227	60,016	-11,789	-19.6	100.0	100.0
Under 20 acres.....	4,525	7,113	-2,588	-36.4	9.4	11.9
Under 3 acres.....	121	118	3	2.5	0.3	0.2
3 to 9 acres.....	1,997	3,456	-1,459	-42.2	4.1	5.8
10 to 19 acres.....	2,407	3,530	-1,123	-32.0	5.0	5.9
20 to 49 acres.....	6,768	9,492	-2,724	-28.7	14.0	15.8
50 to 99 acres.....	14,277	17,895	-3,618	-20.2	29.6	29.8
100 to 174 acres.....	14,425	16,033	-1,608	-13.3	29.9	27.7
175 to 499 acres.....	7,683	8,293	-610	-7.4	15.9	13.8
175 to 259 acres.....	6,229	6,653	-424	-6.8	10.8	9.4
260 to 499 acres.....	2,454	2,640	-186	-7.0	5.1	4.4
500 to 999 acres.....	459	461	-2	-0.4	1.0	0.8
1,000 acres and over.....	90	129	-39	-30.2	0.2	0.2

<sup>1</sup> A minus sign (-) denotes decrease.

TABLE 7.—NUMBER OF FARMS AND PER CENT DISTRIBUTION, BY SIZE: 1880 TO 1920.

SIZE GROUP.	1920	1910	1900	1890	1880
Total number of farms.....	48,227	60,016	59,299	62,013	64,309
Under 10 acres.....	2,118	3,574	2,417	2,616	2,134
10 to 19 acres.....	2,407	3,539	2,890	3,261	3,132
20 to 49 acres.....	6,768	9,492	9,267	10,141	11,489
50 to 99 acres.....	14,277	17,895	18,644	20,248	22,025
100 to 499 acres.....	22,108	24,926	25,451	25,262	25,035
500 to 999 acres.....	459	461	516	383	378
1,000 acres and over.....	90	129	114	102	116
Per cent of all farms.....	100.0	100.0	100.0	100.0	100.0
Under 10 acres.....	4.4	6.0	4.1	4.2	3.3
10 to 19 acres.....	5.0	5.9	4.9	5.3	4.9
20 to 49 acres.....	14.0	15.8	15.6	16.4	17.9
50 to 99 acres.....	29.6	29.8	31.4	32.7	34.2
100 to 499 acres.....	45.8	41.5	42.9	40.7	38.9
500 to 999 acres.....	1.0	0.8	0.9	0.6	0.6
1,000 acres and over.....	0.2	0.2	0.2	0.2	0.2

TABLE 8.—FARM ACREAGE AND VALUE, BY SIZE OF FARM: 1920 AND 1910.

SIZE GROUP (ACRES).	ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.	
	1920	1910	1920	1910	1920	1910
Total.....	5,425,968	6,296,859	1,977,329	2,360,657	\$204,108,971	\$159,619,628
Under 20.....	44,723	67,517	31,198	49,008	9,941,270	11,570,427
20 to 49.....	226,831	314,397	109,839	154,840	17,043,842	15,302,117
50 to 99.....	1,002,134	1,246,671	427,438	553,516	43,334,053	36,562,364
100 to 174.....	1,815,473	2,078,196	706,008	838,328	67,458,814	60,555,780
175 to 499.....	1,893,306	2,041,935	613,714	678,640	57,620,492	39,190,736
500 to 999.....	282,488	284,828	67,648	61,914	6,585,475	4,161,055
1,000 and over.....	161,013	263,356	21,424	24,408	2,724,425	2,277,177

TABLE 9.—PER CENT OF FARM LAND IMPROVED, AND AVERAGE VALUES, BY SIZE OF FARM: 1920 AND 1910.

SIZE GROUP.	PER CENT OF FARM LAND IMPROVED.		AVERAGE VALUE OF LAND AND BUILDINGS.			
			Per farm.		Per acre.	
	1920	1910	1920	1910	1920	1910
Total.....	36.4	37.5	\$4,232	\$2,660	\$37.62	\$25.35
Under 20 acres.....	69.8	72.6	2,197	1,627	222.29	171.37
20 to 49 acres.....	48.4	49.3	2,518	1,612	75.14	48.67
50 to 99 acres.....	42.7	44.4	3,035	2,043	43.24	29.33
100 to 174 acres.....	35.9	40.3	4,677	3,039	37.10	24.33
175 to 499 acres.....	32.4	33.2	7,422	4,726	30.12	19.19
500 to 999 acres.....	23.9	21.7	14,347	9,026	23.31	14.61
1,000 acres and over.....	13.3	9.3	30,271	17,653	16.92	8.65

## FARMS BY TENURE.

TABLE 10.—NUMBER OF FARMS, BY TENURE: 1920 AND 1910.

TENURE.	NUMBER OF FARMS.		INCREASE. <sup>1</sup>		PER CENT OF TOTAL.	
	1920	1910	Number.	Per cent.	1920	1910
Total.....	48,227	60,016	-11,789	-19.6	100.0	100.0
Owners.....	45,437	56,454	-11,017	-19.5	94.2	94.1
Owning entire farm.....	44,224	55,349	-11,125	-20.1	91.7	92.2
Hiring additional land.....	1,213	1,105	108	9.8	2.5	1.8
Managers.....	786	999	-213	-21.3	1.6	1.7
Tenants.....	2,004	2,563	-559	-21.8	4.2	4.3
Share tenants.....	292	289	3	1.0	0.6	0.5
Share-cash tenants.....	11	44	-33	.....	( <sup>2</sup> )	0.1
Cash tenants.....	1,569	1,733	-164	-9.5	3.3	2.9
Unspecified.....	132	497	-365	-73.4	0.3	0.8

<sup>1</sup> A minus sign (-) denotes decrease. Per cent not shown when base is less than 100.<sup>2</sup> Less than one-tenth of 1 per cent.

TABLE 11.—NUMBER OF FARMS AND PER CENT DISTRIBUTION, BY TENURE: 1880 TO 1920.

TENURE.	1920	1910	1900	1890	1880
Total number of farms.....	48,227	60,016	59,299	62,013	64,309
Farms operated by owners.....	45,437	56,454	55,607	58,643	61,528
Owning entire farm.....	44,224	55,349	54,832	( <sup>2</sup> )	( <sup>2</sup> )
Hiring additional land.....	1,213	1,105	775	( <sup>2</sup> )	( <sup>2</sup> )
Farms operated by managers.....	786	999	917	( <sup>2</sup> )	( <sup>2</sup> )
Farms operated by tenants.....	2,004	2,563	2,775	3,370	2,781
Share tenants.....	292	289	745	1,304	1,153
Share-cash tenants.....	11	44			
Cash tenants.....	1,569	1,733			
Unspecified.....	132	497	2,030	1,976	1,628
Per cent of all farms.....	100.0	100.0	100.0	100.0	100.0
Operated by owners.....	94.2	94.1	93.8	94.6	95.7
Owning entire farm.....	91.7	92.2	92.5	( <sup>2</sup> )	( <sup>2</sup> )
Hiring additional land.....	2.5	1.8	1.3	( <sup>2</sup> )	( <sup>2</sup> )
Operated by managers.....	1.6	1.7	1.5	( <sup>2</sup> )	( <sup>2</sup> )
Operated by tenants.....	4.2	4.3	4.7	5.4	4.3
Share and share-cash.....	0.6	0.6	1.3	2.2	1.8
Cash and unspecified.....	3.5	3.7	3.4	3.2	2.5

<sup>1</sup> Includes farms operated by managers.<sup>2</sup> Not reported separately.<sup>3</sup> Included with farms operated by owners.

TABLE 12.—FARM ACREAGE AND VALUE, BY TENURE: 1920 AND 1910.

TENURE.	ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.	
	1920	1910	1920	1910	1920	1910
Total.....	5,425,968	6,296,859	1,977,329	2,360,657	\$204,108,971	\$159,619,628
Owners.....	5,073,860	5,915,822	1,853,224	2,222,452	187,605,076	147,713,769
Managers.....	145,793	150,901	40,431	53,352	8,704,123	5,375,570
Tenants.....	206,319	224,136	74,674	84,853	7,830,773	6,580,287

TABLE 13.—PER CENT DISTRIBUTION OF FARMS AND OF FARM ACREAGE AND VALUE, BY TENURE: 1920 AND 1910.

TENURE.	NUMBER OF FARMS.		ALL LAND IN FARMS.		IMPROVED LAND IN FARMS.		VALUE OF LAND AND BUILDINGS.	
	1920	1910	1920	1910	1920	1910	1920	1910
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	94.2	94.1	93.5	93.9	93.7	94.1	91.9	92.5
Managers.....	1.6	1.7	2.7	2.5	2.5	2.3	4.3	3.4
Tenants.....	4.2	4.3	3.8	3.6	3.8	3.6	3.8	4.1



TABLE 14.—AVERAGE ACREAGE, PER CENT OF FARM LAND IMPROVED, AND AVERAGE VALUES, BY TENURE: 1920 AND 1910.

TENURE.	AVERAGE ACREAGE PER FARM.				PER CENT OF FARM LAND IMPROVED.		AVERAGE VALUE OF LAND AND BUILDINGS.			
	All land.		Improved land.				Per farm.		Per acre.	
	1920	1910	1920	1910	1920	1910	1920	1910	1920	1910
Total.....	112.5	104.9	41.0	39.3	36.4	37.5	\$4,232	\$2,660	\$37.92	\$25.35
Owners.....	111.7	104.8	40.8	39.4	36.5	37.6	4,127	2,617	36.96	24.97
Managers.....	185.5	157.1	62.9	53.4	33.9	34.0	11,150	5,351	60.11	34.20
Tenants.....	103.0	87.4	37.3	33.1	30.2	37.9	3,912	2,548	38.00	29.14

FARMS BY SEX, RACE, AND NATIVITY OF FARMER.

TABLE 15.—NUMBER, ACREAGE, AND VALUE OF FARMS, CLASSIFIED BY SEX AND TENURE OF FARMER: 1920.

SEX AND TENURE.	Number of farms.	All land in farms (acres).	Im-proved land in farms (acres).	Value of land and buildings.	AVERAGE PER FARM.		
					All land (acres).	Im-proved land (acres).	Value of land and buildings.
Total.....	48,227	5,425,968	1,977,329	\$204,108,971	112.5	41.0	\$4,232
Male.....	45,702	5,202,099	1,897,519	196,065,751	113.8	41.5	4,290
Female.....	2,525	223,869	79,810	8,043,220	88.4	31.6	3,185
Owners.....	45,437	5,073,856	1,853,224	187,505,075	111.7	40.8	4,127
Male.....	42,904	4,857,225	1,776,574	179,026,395	113.1	41.4	4,181
Female.....	2,473	216,630	76,650	7,878,680	87.0	31.0	3,186
Managers.....	786	145,793	49,431	8,764,123	185.5	62.9	11,150
Male.....	780	144,217	48,054	8,719,823	184.9	62.4	11,179
Female.....	6	1,576	777	44,300	262.7	129.5	7,383
Tenants.....	2,004	206,319	74,674	7,839,773	103.0	37.3	3,912
Male.....	1,958	201,256	72,291	7,719,533	102.8	36.0	3,943
Female.....	46	5,063	2,383	120,240	110.1	51.8	2,614

TABLE 16.—NUMBER, ACREAGE, AND VALUE OF FARMS, CLASSIFIED BY NATIVITY OF WHITE FARMERS AND BY RACE OF COLORED FARMERS: 1920 AND 1910.

COLOR AND NATIVITY OR RACE.	NUMBER OF FARMS.		LAND IN FARMS, 1920 (ACRES).		Value of land and buildings, 1920
	1920	1910	Total.	Improved.	
All farmers.....	48,227	60,016	5,425,968	1,977,329	\$204,108,971
White farmers.....	48,214	59,987	5,425,015	1,976,884	204,054,571
Native.....	43,880	55,014	4,900,200	1,768,011	178,204,681
Foreign-born.....	4,334	4,973	404,806	208,873	25,780,890
Country of birth:					
Canada.....	3,088	3,028	338,675	162,174	19,827,468
Denmark.....	104	110	5,897	3,084	442,750
England.....	188	277	12,934	5,245	841,330
Finland.....	220	(?)	27,365	8,803	551,500
Germany.....	74	100	8,210	2,838	339,504
Ireland.....	68	174	8,759	3,764	519,748
Russia.....	57	25	5,867	2,191	183,225
Sweden.....	68	108	5,907	2,179	367,550
Scotland.....	284	351	30,557	11,575	1,799,600
Other countries.....	205	196	20,626	7,460	914,215
Colored farmers.....	13	29	953	445	54,400
Negro.....	13	28	953	445	54,400
Indian.....		1			

<sup>1</sup> Includes farmers with country of birth not reported, as follows: For 1920, 502; for 1910, 129.

<sup>2</sup> Included with "other countries."

TABLE 17.—NUMBER OF FARMERS, CLASSIFIED BY TENURE, COLOR, AND NATIVITY: 1920 AND 1910.

TENURE.	ALL FARMERS.		NATIVE WHITE. <sup>1</sup>		FOREIGN-BORN WHITE.		COLORED.	
	1920	1910	1920	1910	1920	1910	1920	1910
Total.....	48,227	60,016	43,880	55,014	4,344	4,973	13	29
Owners.....	45,437	56,454	41,338	51,795	4,086	4,031	13	25
Managers.....	786	999	689	990	97	68		1
Tenants.....	2,004	2,563	1,803	2,289	201	274		3

<sup>1</sup> Includes farmers with country of birth not reported.

FARM MORTGAGES.

TABLE 18.—MORTGAGED FARMS: 1920 AND 1910.  
(Owned farms only; includes all farms owned in whole or in part by the operator.)

CLASS.	NUMBER OF OWNED FARMS.		INCREASE. <sup>1</sup>		PER CENT OF TOTAL.	
	1920	1910	Number.	Per cent.	1920	1910
Total.....	45,437	56,454	-11,017	-19.5	100.0	100.0
Free from mortgage.....	30,065	41,309	-10,644	-26.8	67.5	73.2
Mortgaged.....	13,023	14,948	-1,925	-12.9	28.7	26.5
Unknown.....	1,749	197	1,552	787.8	3.8	0.3

<sup>1</sup> A minus sign (—) denotes decrease. The comparative figures shown for farms free from mortgage and mortgaged are affected somewhat by the fact that more farms were tabulated as "unknown" in 1920 than in 1910.

TABLE 19.—MORTGAGED FARMS (OR FARM HOMES): 1890 TO 1920.

CLASS.	OWNED FARMS.		OWNED FARM HOMES.		PER CENT OF TOTAL.			
	1920	1910	1900	1890	1920	1910	1900	1890
Total.....	45,437	56,454	53,496	57,391	100.0	100.0	100.0	100.0
Free from mortgage.....	30,065	41,309	38,415	44,712	67.5	73.2	71.8	77.0
Mortgaged.....	13,023	14,948	13,991	12,079	28.7	26.5	26.2	22.1
Unknown.....	1,749	197	1,090	.....	3.8	0.3	2.0	.....

TABLE 20.—MORTGAGE DEBT: 1920 AND 1910.

ITEM.	OWNED FARMS MORTGAGED. <sup>1</sup>		INCREASE. <sup>2</sup>	
	1920	1910	Amount.	Per cent.
Number of farms reporting amount of debt.....	12,345	13,594	-1,549	-11.1
Value of land and buildings.....	\$58,427,088	\$39,774,005	\$18,653,083	46.9
Amount of mortgage debt.....	\$18,592,225	\$11,738,529	\$6,853,696	58.4
Ratio of debt to value, per cent.....	31.8	29.5	.....	.....
Average rate of interest paid, per cent.....	6.1	.....	.....	.....
Average value per farm.....	\$4,733	\$2,803	\$1,870	65.3
Average debt per farm.....	\$1,506	\$845	\$661	78.2
Average equity per farm.....	\$3,227	\$2,018	\$1,209	59.9

<sup>1</sup> Includes only farms consisting wholly of owned land and reporting amount of debt. In considering the comparative figures, it should be borne in mind that the mortgage debt may have been more completely reported at one census than at the other.

<sup>2</sup> A minus sign (—) denotes decrease.

FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED.

TABLE 21.—FARMS REPORTING EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919 AND 1909.

ITEM.	NUMBER OF FARMS REPORTING.		INCREASE. <sup>1</sup>		PER CENT OF ALL FARMS.	
	1919	1909	Number.	Per cent.	1919	1909
Labor.....	29,735	37,190	-10,455	-28.1	55.4	62.0
Fertilizer.....	22,641	39,947	-17,306	-43.3	46.9	65.6
Feed.....	39,794	46,643	-6,849	-14.7	82.5	77.7

<sup>1</sup> A minus sign (—) denotes decrease.

TABLE 22.—AMOUNT OF EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919 AND 1909.

ITEM.	AMOUNT EXPENDED.		INCREASE.	
	1919	1909	Amount.	Per cent.
Labor, total.....	\$9,641,064	\$5,633,106	\$4,007,958	71.2
Amount in cash.....	7,506,437	4,485,911	3,020,526	67.3
Value of rent and board furnished.....	2,134,627	1,147,195	987,432	86.1
Fertilizer.....	7,769,037	4,069,470	3,699,568	90.7
Feed.....	14,858,557	7,207,854	7,650,703	104.4

## LIVE STOCK ON FARMS AND ELSEWHERE.

(DOMESTIC ANIMALS, POULTRY, AND BEES.)

Domestic animals: 1920 and 1910.—The census of 1920 was taken as of January 1 and that of 1910 as of April 15. Since a great many domestic animals are born during the period between January 1 and April 15 and, on the other hand, a considerable number of older animals are slaughtered or die during the same period, the numbers of the different classes of animals for the two censuses are not fully comparable. In addition to the change in the date of enumeration, there have been certain changes in the age and sex classifications. The 1910 figures presented in the following tables are therefore restricted to those classes of domestic animals which are least affected by these changes and for which the figures are fairly comparable with the 1920 returns.

Dairy cows: 1920 and 1910.—In 1910 the census called for "cows and heifers kept for milk" and "cows and heifers *not* kept for milk." The instructions read: "Report as cows kept for milk those whose milk is used in some form for human food. Cows milked for three months during the year should be reported as *kept for milk*, although a part of the year they run with their calves."

In 1920 the census called for "dairy cattle" and "beef cattle." Dairy cattle were defined as those "kept mainly for milk production," and the following instructions were given the enumerators: "Classify all cattle as beef cattle or as dairy cattle, according to the principal purpose for which they are kept." It is believed that under this rule the fully established dairy and beef breeds have been properly reported, with few errors, and that cattle of the dual-purpose breeds or of no definite breeding have been placed in one class or the other, according to the principal purpose for which they are kept.

In states where cattle are raised extensively for beef production the result of this new classification will be to reduce materially the proportion of cows classified as dairy cows, and even in states having few strictly beef cattle the 1920 classification may be expected to give a somewhat smaller proportion of dairy cows than the 1910 classification.

In Maine, however, notwithstanding this change of classification, the number of dairy cows, including heifers 1 year old and over, reported for January 1, 1920, namely 217,021, shows an increase of 60,202, or 38.4 per cent, as compared with 156,819 cows reported as "kept for milk" on April 15, 1910, thus indicating a decided trend toward the dairy industry.

On the other hand, the 9,956 beef cows reported in 1920 represent a decrease of 8,019, or 44.6 per cent, as compared with 17,975 cows reported in 1910 as "not kept for milk."

Farms reporting domestic animals: 1910.—Horses were reported by 47,292 farms in Maine in 1910, mules by 212 farms, cattle by 47,664, sheep by 11,060, and swine by 24,852. In comparing these figures with the 1920 figures given in the table below, due allowance should be made for the fact that the total number of farms in Maine decreased from 60,016 in 1910 to 48,227 in 1920.

TABLE 23.—DOMESTIC ANIMALS ON FARMS: 1920.

CLASS.	FARMS REPORTING.		ANIMALS.		
	Num-ber.	Per cent of all farms.	Num-ber.	Value.	Average value.
Total.....	44,103	91.4	.....	\$37,458,596	.....
Horses, total.....	40,238	83.4	94,350	15,980,681	\$189.38
Colts under 1 year of age.....	1,330	2.8	1,732	150,933	90.61
Colts 1 year old and under 2 years.....	1,613	3.3	1,894	218,565	115.40
Mares 2 years old and over.....	21,740	45.1	33,703	5,550,857	164.70
Geldings 2 years old and over.....	31,271	64.8	50,301	9,879,764	175.48
Stallions 2 years old and over.....	597	1.2	720	174,562	242.45
Mules, total.....	284	0.5	444	70,336	158.41
Mule colts under 1 year of age.....	18	( <sup>1</sup> )	20	1,445	55.58
Mule colts 1 year old and under 2 years.....	23	( <sup>1</sup> )	31	4,010	129.35
Mules 2 years old and over.....	224	0.5	387	64,881	167.65
Asses and burros.....	39	0.1	46	3,055	66.41
Cattle, total.....	41,239	85.5	300,747	18,270,810	60.75
Beef cattle, total.....	7,465	15.5	33,474	2,230,336	66.63
Calves under 1 year of age.....	2,310	4.8	0,046	183,849	20.41
Heifers 1 year old and under 2 years.....	1,237	2.0	2,804	135,570	47.34
Cows and heifers 2 years old and over.....	2,082	4.2	7,082	552,177	77.86
Steers 1 year old and under 2 years.....	2,479	5.1	6,509	327,232	50.27
Steers 2 years old and over.....	3,135	6.0	0,701	928,809	95.74
Bulls 1 year old and over.....	1,014	2.1	1,202	102,090	81.33
Dairy cattle, total.....	40,154	83.3	267,273	16,040,474	60.02
Calves under 1 year of age.....	19,056	40.8	43,898	1,044,058	23.78
Heifers 1 year old and under 2 years.....	18,989	39.4	41,596	1,014,090	38.83
Cows and heifers 2 years old and over.....	39,346	81.6	175,425	12,847,093	73.24
Bulls 1 year old and over.....	5,576	11.6	6,354	533,427	83.95
Sheep, total.....	8,829	18.3	119,471	1,191,780	9.98
Lambs under 1 year of age.....	5,109	10.7	23,660	202,685	8.68
Ewes 1 year old and over.....	8,051	16.7	90,040	612,417	10.13
Rams 1 year old and over.....	3,071	6.4	3,067	62,007	15.87
Wethers 1 year old and over.....	306	0.6	1,795	13,411	7.47
Goats, total.....	110	0.2	476	3,809	8.00
Kids under 1 year of age, raised for fleeces.....	10	( <sup>1</sup> )	49	280	5.71
Goats 1 year old and over, raised for fleeces.....	17	( <sup>1</sup> )	62	521	8.40
All other goats.....	103	0.2	365	3,008	8.24
Swine, total.....	27,996	53.1	91,204	1,938,125	21.25
Pigs under 6 months old.....	18,391	38.1	53,036	683,401	12.89
Sows and gilts for breeding, 6 months old and over.....	6,322	13.1	12,414	442,259	35.63
Boars for breeding, 6 months old and over.....	1,341	2.8	1,553	62,599	40.31
All other hogs, 6 months old and over.....	10,023	22.0	24,201	749,866	30.98

<sup>1</sup> Less than one-tenth of 1 per cent.

TABLE 24.—POULTRY AND BEES ON FARMS: 1920 AND 1910.

ITEM.	FARMS REPORTING, 1920.		NUMBER REPORTED. <sup>1</sup>		Value, 1920	Average value, 1920
	Number.	Per cent of all farms.	1920 (Jan. 1)	1910 (Apr. 15)		
Poultry, total.....	38,923	80.7	1,418,342	1,735,962	\$2,219,332	\$1.58
Chickens.....	38,464	79.8	1,403,284	1,704,900	2,178,064	1.55
Turkeys.....	600	1.2	3,531	2,948	15,391	4.36
Ducks.....	1,210	2.5	5,455	6,311	9,895	1.81
Geese.....	984	2.0	3,480	4,021	12,785	3.07
Guinea fowls.....	388	0.8	1,426	13,340	1,689	1.18
Pigeons.....	158	0.3	1,106	4,436	608	0.52
Hives of bees.....	2,009	4.2	12,639	7,592	102,174	8.08

<sup>1</sup> The numbers of the different classes of poultry are not strictly comparable for the two censuses, since a considerable number of fowls are killed between Jan. 1 and Apr. 15.

<sup>2</sup> Includes a small number of peafowls.

TABLE 25.—SELECTED CLASSES OF DOMESTIC ANIMALS ON FARMS: 1920 AND 1910.

CLASS.	NUMBER.		INCREASE. <sup>1</sup>	
	1920 (Jan. 1)	1910 (Apr. 15)	Number.	Per cent.
Horses:				
Total, excluding spring colts reported for 1910.....	94,350	107,210	-12,860	-12.0
Colts under 1 year old on Jan. 1 of census year.....	1,732	3,705	-1,973	-53.3
Horses 1 year old and over on Jan. 1 of census year.....	92,618	103,505	-10,887	-10.5
Mules:				
Total, excluding spring colts reported for 1910.....	444	353	91	25.8
Mule colts under 1 year old on Jan. 1 of census year.....	20	11	15	.....
Mules 1 year old and over on Jan. 1 of census year.....	418	342	76	22.2
Cattle:				
Total, excluding spring calves reported for 1910.....	300,747	224,622	76,125	33.9
Calves under 1 year old on Jan. 1 of census year.....	40,944	35,518	14,426	40.6
Cows and heifers 1 year old and over on Jan. 1 of census year.....	226,977	174,794	52,183	29.9
Steers and bulls 1 year old and over on Jan. 1 of census year.....	23,826	14,310	9,516	66.5
Sheep:				
Total, excluding spring lambs reported for 1910.....	119,471	149,934	-30,463	-20.3

<sup>1</sup> A minus sign (—) denotes decrease. Per cent not shown when base is less than 100.

TABLE 26.—DOMESTIC ANIMALS NOT ON FARMS: 1920 AND 1910.

CLASS.	INCLOSURES REPORTING.		ANIMALS.			
	1920 (Jan. 1)	1910 (Apr. 15)	Number.		Increase. <sup>1</sup>	
			1920 (Jan. 1)	1910 (Apr. 15)	Number.	Per cent.
Total.....	20,304	18,438				
Horses.....	12,869	14,806	24,972	23,622	-4,650	-15.7
Horses 1 year old and over on Jan. 1 of census year.....			24,855	20,291	-4,436	-15.1
Mules.....	49	25	84	67	17	.....
Mules 1 year old and over on Jan. 1 of census year.....			82	66	16	.....
Asses and burros.....	16	15	16	19	-3	.....
Cattle.....	11,144	6,626	19,775	9,700	10,075	103.9
Cattle 1 year old and over on Jan. 1 of census year.....			17,930	8,361	9,569	114.4
Sheep.....	500	234	3,936	2,023	1,913	94.6
Goats.....	67	26	150	30	111	.....
Swine.....	6,806	2,650	15,473	5,608	9,865	173.0

<sup>1</sup> A minus sign (—) denotes decrease. Per cent not shown when base is less than 100.

TABLE 27.—TOTAL NUMBER OF DOMESTIC ANIMALS: 1920.

CLASS.	Total.	On farms.	Not on farms.
Horses.....	119,322	94,350	24,972
Horses 2 years old and over.....	115,342	90,724	24,618
Mules.....	528	444	84
Mules 2 years old and over.....	461	387	74
Asses and burros.....	62	46	16
Cattle.....	320,522	300,747	19,775
Beef cattle.....	35,010	33,474	1,536
Dairy cattle.....	285,512	267,273	18,239
Dairy cows.....	189,696	175,425	14,271
Sheep.....	123,407	119,471	3,936
Goats.....	626	476	150
Swine.....	106,677	91,204	15,473

### LIVE-STOCK PRODUCTS.

Farm value of live-stock products: 1919 and 1909.—The Thirteenth Census schedule called for the total value as well as the total quantity of all live-stock products, whether sold or consumed on the farm. The 1909 values are therefore based directly on the reported figures. But in the Fourteenth Census schedule the question as to value in the case of dairy products, eggs, and chickens was restricted to the amounts sold. The 1919 value of butter made on farms has been computed on the basis of the average value received per pound for butter sold; the values of eggs produced and chickens raised have been computed in a similar way. The values of cheese made on farms and of honey and wax produced have been computed on the basis of average values per pound secured through the Bureau of Crop Estimates of the Department of Agriculture. The method of obtaining these average values was the same as that used for securing average values for the important crops, which is described in a later paragraph.

Dairy products.—It is difficult to secure reports of the total quantity of milk produced during a given year, especially from farmers who keep cows chiefly to supply milk and butter for family use. Since such farmers usually keep no records, they are able to make only rough estimates of the milk production and frequently underestimate the quantity of milk produced for home use. Many farmers, too, either because they are unwilling to make any estimates or for other reasons, fail to report their milk production, even though they report butter or other dairy products as well as dairy cows.

For several decades past the Bureau of the Census has made estimates for such incomplete reports, where the farmer reported "cows kept for milk" but failed to report the amount of milk produced, these estimates being based on the average production per cow as shown by the complete reports. Since farmers with first-class dairy herds and up-to-date methods are more likely to make complete reports than those with cows

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of a lower grade, the estimates obtained in this way have probably been somewhat above the actual production. With the new basis of classification for dairy cows in use for 1920, however, as already noted, the estimates should be more satisfactory than heretofore, since milk will be estimated only for cows kept mainly for milk production.

In the table which follows, both the actual reported quantity of milk produced and the estimated total are given. The latter includes, in addition to the milk reported, an estimate of the amount of milk produced on farms which reported dairy cows but failed to report any milk. A certain quantity of milk, on the other hand, was reported from farms which reported no dairy cows. This is included in the total and may represent either milk produced by beef cows milked a part of the year on farms having no dairy cows or milk produced on farms which kept dairy cows some time during the year 1919 but had none on January 1, 1920.

TABLE 28.—DAIRY COWS ON FARMS, 1920; AND DAIRY PRODUCTS, 1919 AND 1909.

ITEM.	FARMS REPORTING.		Number or quantity.	Unit.	Value.
	Num-ber.	Per cent of all farms.			
Dairy cows on farms Jan. 1, 1920, total.....	30,340	81.6	175,425	Head..	.....
On farms reporting milk produced.....	33,718	60.0	151,471	Head..	.....
On farms not reporting milk produced.....	5,628	11.7	23,054	Head..	.....
Average production of milk per dairy cow, 1919 <sup>1</sup> .....			433	Gals..	.....
Specified dairy products:					
Milk, as reported.....1919..			67,304,799	Gals..	.....
.....1909..			56,020,384	Gals..	.....
Increase, 1909-1919.....			11,278,405	Gals..	.....
Per cent of increase.....			20.1		.....
Total production of milk, including estimates.....1919..			77,670,881	Gals..	.....
Butter made.....1919..	20,020	60.2	10,855,560	Lbs..	\$6,272,232
.....1909..	36,371	60.6	13,200,220	Lbs..	\$3,786,054
Cheese made.....1919..	279	0.6	55,161	Lbs..	\$20,412
.....1909..	278	0.5	118,210	Lbs..	\$18,872
Milk sold.....1919..	12,020	24.0	28,190,733	Gals..	\$8,881,006
.....1909..	8,000	13.5	12,784,866	Gals..	\$2,518,384
Cream sold.....1919..	2,480	5.1	742,813	Gals..	\$959,335
.....1909..	2,124	3.5	737,706	Gals..	\$109,365
Butter fat sold.....1919..	3,353	7.0	2,705,560	Lbs..	\$1,639,385
.....1909..	4,846	8.1	4,060,344	Lbs..	\$1,257,017
Butter sold.....1919..	19,895	41.3	6,945,411	Lbs..	\$4,063,798
.....1909..	24,664	41.1	8,380,817	Lbs..	\$2,433,332
Value of milk, cream, and butter fat sold, and of butter and cheese made <sup>2</sup> .....1919..					\$17,772,370
.....1909..					\$8,079,692
Increase, 1909-1919.....					\$9,692,678
Per cent of increase.....					120.0
Receipts from sale of dairy products <sup>3</sup> .....1919..					\$15,543,524
.....1909..					\$6,722,779
Increase, 1909-1919.....					\$8,820,745
Per cent of increase.....					131.2

<sup>1</sup> Based on the 1919 milk production as reported for dairy cows, and the number of dairy cows on hand Jan. 1, 1920.

<sup>2</sup> This item represents the total farm value of dairy products, excluding milk and cream consumed as such on the farm where produced.

<sup>3</sup> Figures for 1919 do not include "cheese sold," as that item was not reported for 1919. The value of cheese sold in 1909 was \$14,681.

TABLE 29.—SHEEP ON FARMS, 1920 AND 1910; GOATS ON FARMS, 1920; AND WOOL AND MOHAIR PRODUCED, 1919 AND 1909.

ITEM.	Farms reporting.	Number of sheep (or goats) on hand.	WOOL (OR MOHAIR) PRODUCED.		
			Number of animals shorn.	Weight (pounds).	Value.
Sheep on farms Jan. 1, 1920, total.....	8,829	119,471	.....	.....	.....
On farms reporting wool.....	7,157	107,808	.....	.....	.....
On farms not reporting wool.....	1,672	11,663	.....	.....	.....
Sheep of shearing age <sup>1</sup> on farms Apr. 15, 1910.....	10,984	149,934	.....	.....	.....
Wool produced, as reported, total.....1919..	7,436	.....	102,329	617,823	\$383,464
On farms reporting sheep.....	7,157	.....	99,429	600,008	\$372,768
On farms not reporting sheep.....	279	.....	2,900	17,815	\$10,696
Total production of wool, including estimates.....1919..				605,453	\$412,581
.....1909..				947,622	\$266,080
Increase, 1909-1919 <sup>2</sup> .....				-282,169	\$146,501
Per cent of increase <sup>2</sup> .....				-29.8	55.1
Goats raised for fleeces, on farms Jan. 1, 1920.....	20	111	.....	.....	.....
Mohair produced, as reported, total.....1919..	20	.....	79	322	\$147
.....1909..	39	.....	.....	639	\$207

<sup>1</sup> Sheep born before January 1, 1910. <sup>2</sup> A minus sign (-) denotes decrease.

TABLE 30.—CHICKENS (OR FOWLS) ON FARMS, 1920 AND 1910; AND POULTRY PRODUCTS, 1919 AND 1909.

[The products shown for 1919 include chicken eggs and chickens only, while the 1909 figures include the products of all kinds of poultry.]

ITEM.	FARMS REPORTING.		Number or quantity.	Value.
	Num-ber.	Per cent of all farms.		
Chickens on farms Jan. 1, 1920, total.....	38,464	70.8	Number.	.....
On farms reporting eggs produced.....	33,720	69.0	1,403,284	.....
On farms reporting chickens raised.....	28,036	55.9	1,281,198	.....
Fowls on farms Apr. 15, 1910.....	46,440	77.4	1,120,377	.....
Eggs produced, as reported.....1919..	34,332	71.2	1,735,902	.....
Total production of eggs, including estimates.....1919..			Dozens.	.....
.....1909..			9,108,081	\$5,031,748
Eggs sold, as reported.....1919..	27,855	57.8	9,977,349	5,487,542
.....1909..	37,294	62.1	14,935,959	3,792,335
Chickens raised, as reported.....1919..	27,348	56.7	6,770,370	3,735,171
Total chickens raised, including estimates.....1919..			10,340,134	2,659,117
.....1909..			Number.	.....
Chickens sold, as reported.....1919..	17,670	36.7	1,548,458	1,889,379
.....1909..	27,341	45.6	1,908,400	2,328,329
			1,213,639	1,454,815
			736,742	907,087
			1,213,639	727,748

TABLE 31.—BEES ON FARMS, 1920 AND 1910; AND HONEY AND WAX PRODUCED, 1919 AND 1909.

ITEM.	Farms reporting.	Hives of bees.	PRODUCT.	
			Quantity (pounds).	Value.
Bees on farms Jan. 1, 1920, total.....	2,009	12,639	.....	.....
On farms reporting honey.....	1,272	10,394	.....	.....
On farms not reporting honey.....	737	2,245	.....	.....
Bees on farms Apr. 15, 1910.....	1,371	7,592	.....	.....
Honey produced.....1919..	1,201	.....	209,072	\$73,173
.....1909..	838	.....	112,051	20,016
Wax produced.....1919..			2,387	1,077
.....1909..			2,260	670

CROPS.

**Summary: 1919 and 1909.**—This section summarizes the census data relative to all of the farm crops of 1919 and 1909, except that it does not include nursery or greenhouse products or forest products of farms.

In comparing one year with another it should be borne in mind that the acreage of crops (or the number of fruit trees) and the number of farms reporting are on the whole a better index of the general changes or tendencies in agriculture than either the quantity or the value of the crops, since variations in quantity may be due mainly to favorable or unfavorable seasons, and variations in the value of the crops may result largely from changes in prices.

For convenience in making comparisons between the crop figures and the total acreage of improved land, a separate total is presented for all those crops for which acreage is reported.

The combined acreage of crops harvested in Maine in 1919 for which the acreage was reported was 1,529,941, which represents 77.4 per cent of the total improved land in farms (1,977,329 acres). The total crop acreage reported for 1909 was 1,587,896, or 67.3 per cent of the improved land in farms (2,360,657 acres). Most of the remaining improved land doubtless consisted of improved pasture, land lying fallow, house and farm yards, and land occupied by orchards and vineyards, the acreage of which was not reported.

TABLE 32.—SUMMARY FOR ALL CROPS: 1919 AND 1909.

CROP.	FARMS REPORTING.				ACRES HARVESTED.			PRODUCTION.					
	Number.		Per cent of all farms.		1919	1909	Per cent of increase.	Quantity.			Value.		
	1919	1909	1919	1909				Unit.	1919	1909	Per cent of increase.	1919	1909
<b>All crops</b> .....					1,529,941	1,587,896	-3.6					\$100,152,324	\$33,386,440
With acreage reports.....												90,447,200	31,116,698
With no acreage reports.....												9,705,064	2,269,747
<b>Cereals, total</b> .....					157,227	159,618	-1.5	Bu....	4,577,846	5,395,188	-15.1	5,616,507	3,100,902
Corn.....	4,214	9,801	8.7	16.3	6,905	15,213	-54.2	Bu....	288,281	648,882	-55.0	604,495	434,834
Oats.....	18,337	22,029	38.0	36.7	116,091	120,091	-3.6	Bu....	3,600,617	4,232,309	-14.9	3,780,648	2,293,947
Wheat, total.....	4,961	1,433	10.3	2.4	14,404	3,407	324.5	Bu....	261,186	85,110	206.8	613,785	91,554
Winter.....	759	230	1.6	0.4	3,374	615	448.6	Bu....	63,712	17,156	271.4	149,724	15,056
Spring.....	4,301		9.1		11,090	2,792	297.2	Bu....	197,473	67,953	190.6	464,061	75,898
Emmer and spelt.....		22	(*)	(*)	7	25		Bu....	135	587	-77.0	270	433
Barley.....	1,029	2,258	3.4	3.8	4,358	4,136	5.4	Bu....	104,912	106,674	-1.7	183,597	80,230
Rye.....	133	100	0.3	0.2	272	292	-6.8	Bu....	4,673	4,815	-2.9	9,340	4,388
Buckwheat.....	4,788	5,081	9.9	10.0	14,364	15,552	-7.0	Bu....	315,327	316,782	-0.5	520,291	189,516
Mixed crops <sup>1</sup> .....	37		0.1		106			Bu....	2,716			4,075	
<b>Other grains and seeds with acreage reports, total</b> <sup>2</sup> .....					6,246	10,878	-42.6	Bu....	63,927	92,539	-30.9	382,215	285,495
Dry edible beans.....	8,956	15,788	18.6	26.3	5,080	10,341	-45.0	Bu....	58,797	87,565	-32.9	358,661	275,334
Soy beans.....	405		0.8		314			Bu....	2,000			8,384	
Dry peas.....	292	1,030	0.6	1.7	243	537	-54.7	Bu....	3,034	4,063	-38.0	15,170	10,134
<b>Seeds with no acreage reports, total</b> <sup>3</sup> .....								Bu....	462	527	-12.3	7,623	2,494
Red clover seed.....	18		(*)					Bu....	111	132	16.7	3,885	568
Other clover and alfalfa seed.....	53		(*)					Bu....	43			1,200	
Timothy seed.....		74	0.1	0.1				Bu....	288	360	-20.0	2,118	906
<b>Hay and forage, total</b> <sup>4</sup> .....	46,790	57,953	97.0	96.6	1,245,699	1,255,040	-0.8	Tons..	1,320,289	1,113,390		29,568,372	15,118,105
All tame or cultivated grasses.....					1,195,281	1,205,253	-0.8	Tons..	1,106,415	984,699	18.5	27,592,415	14,232,738
Timothy alone.....	8,121	9,621	16.8	16.0	153,059	166,080	-7.8	Tons..	107,309	143,855	16.3	4,435,283	2,112,052
Timothy and clover mixed.....	31,327	33,112	65.0	55.2	722,210	643,180	12.3	Tons..	727,382	569,203	30.1	17,457,108	8,165,437
Clover alone.....	905	952	2.1	1.6	9,387	4,818	91.8	Tons..	12,221	5,753	112.4	268,862	77,401
Alfalfa.....	111	51	0.2	0.1	730	174	319.5	Tons..	944	210	337.0	28,320	2,873
Other tame grasses <sup>5</sup> .....	14,279		29.6		309,895	300,992	-2.7	Tons..	258,490	275,582	-6.2	5,402,782	3,841,975
Wild, salt, or prairie grasses.....	1,463	2,857	3.0	4.8	14,162	24,557	-42.3	Tons..	12,006	21,148	-40.4	170,185	192,781
Small grains cut for hay.....	5,303		11.2		15,100			Tons..	24,635			492,700	
Annual legumes cut for hay.....	314	7,005	0.7	11.8	2,537	13,388	31.7	Tons..	2,697	25,059	9.0	66,675	277,609
Silage crops.....	2,912		6.0		10,687			Tons..	87,634			744,892	
Corn cut for forage <sup>6</sup> .....	3,302		6.8		6,255	11,701		Tons..	22,817	81,324		285,217	401,770
Kafir, sorghum, etc., for forage.....	80		0.2		114			Tons..	244			3,055	
Root crops for forage.....	1,872		3.0		1,563	81		Tons..	9,271	1,100	699.2	213,233	13,201
<b>Vegetables, total</b> .....												57,681,901	12,877,717
Potatoes (Irish or white).....	36,896	40,381	70.5	82.3	111,378	135,709	-18.0	Bu....	25,631,470	28,556,837	-10.6	52,339,514	10,224,714
Other vegetables <sup>7</sup> .....	9,284	45,116	19.3	75.2	14,073	25,288		Bu....				2,161,714	2,153,038
Farm garden <sup>8</sup> .....	40,981		85.0					Bu....				3,180,673	
<b>Miscellaneous crops, total</b> .....												136,629	53,397
Maple sugar and sirup.....	2,168	2,274	4.5	3.8								130,405	52,137
Sundry minor crops <sup>9</sup> .....					(19)	15						224	1,200
<b>Fruits, total</b> .....												6,759,077	2,448,240
Small fruits.....	6,153		12.8		1,573	1,260	24.8	Qts..	1,561,647	2,285,415	-31.7	378,714	233,124
Other fruits.....												6,380,363	2,215,116

<sup>1</sup> A minus sign (-) denotes decrease. Per cent not shown when base is less than 100 or when per cent is more than 1,000.

<sup>2</sup> Excluding 6,255 acres reported for corn cut for forage, which is practically all duplicated in the acreage shown for corn harvested as grain.

<sup>3</sup> Less than one-tenth of 1 per cent.

<sup>4</sup> Principally oats and barley grown and harvested together.

<sup>5</sup> The 1909 figures include small quantities of peanuts and flaxseed.

<sup>6</sup> Includes small quantities of flower and vegetable seeds (value only, 1919 and 1909); of vetch seed (1919); and of "other grass seed" (1909). The entire acreage from which the grass and clover seeds were secured is believed to be included in the acreage given elsewhere for hay and forage.

<sup>7</sup> Corn cut for forage was not reported to any extent in 1909; hence no close comparison between 1919 and 1909 can be made, either for the hay and forage totals or for the bracketed group in which corn cut for forage appears.

<sup>8</sup> Includes millet and Hungarian grass.

<sup>9</sup> The 1910 figures represent vegetables raised for sale only.

<sup>10</sup> In 1909 the value of the farm garden was largely included in the value of "other vegetables."

<sup>11</sup> These crops comprise tobacco (1919 and 1909) and hemp (1909).

<sup>12</sup> Less than 1 acre.

<sup>13</sup> Includes the value of a small quantity of nuts.

In addition to the crops regularly harvested in 1919, as shown in the tables, there were reported 589 acres of mature crops grazed or "hogged off."

**Farm value of crops.**—At the census of 1920 the farm schedule called for the value of all farm property, including land, buildings, implements and machinery, and of all the different classes of live stock. It also called for mortgage indebtedness, certain classes of farm expenditures, and value of live-stock products sold. To this extent the census of 1920 followed the procedure of 1910 and 1900.

In the case of farm crops, however, wherever a unit value could be used, such as the value per bushel or per ton, the farmer was asked to report the acreage and production of each crop but not the value. To supplement the information obtained from the farmers, the Bureau of Crop Estimates of the United States Department of Agriculture secured by special schedule from its crop reporters average values for such crops.

TABLE 33.—ACREAGE OF IMPORTANT CROPS: 1879 TO 1919.

CROP.	1919	1909	1899	1889	1879
Corn.....	6,905	15,213	16,856	10,891	30,907
Oats.....	116,601	120,901	108,661	121,612	78,785
Wheat.....	14,464	3,407	6,607	4,116	43,820
Buckwheat.....	14,364	15,552	25,292	22,395	20,135
Dry edible beans.....	5,680	10,341	10,252	.....	.....
Hay and forage.....	1,245,699	1,255,040	1,270,254	1,300,302	1,279,299
Potatoes.....	111,378	135,799	71,765	49,617	70,179

<sup>1</sup> Includes 6,255 acres in corn cut for forage. This crop was not included to any extent in the hay and forage totals prior to 1919.

TABLE 34.—PERCENTAGES AND AVERAGES FOR IMPORTANT CROPS: 1919 AND 1909.

CROP.	PER CENT OF IMPROVED LAND OCCUPIED.		AVERAGE YIELD PER ACRE.				AVERAGE VALUE PER ACRE.	
	1919	1909	Unit.	1919	1909		1919	1909
Corn.....	0.4	0.6	Bu....	41.4	42.7		\$72.43	\$28.58
Oats.....	5.9	5.1	Bu....	30.9	35.0		32.40	18.96
Wheat.....	0.7	0.1	Bu....	18.1	25.0		42.44	26.87
Buckwheat.....	0.7	0.7	Bu....	22.0	20.4		36.22	12.19
Dry edible beans.....	0.3	0.4	Bu....	10.3	8.5		63.04	26.63
Hay and forage.....	63.0	63.2	Tons..	1.06	0.89		23.74	12.05
Potatoes.....	5.8	5.8	Bu....	229.2	210.3		469.93	75.29

TABLE 35.—VEGETABLES RAISED FOR SALE: 1919.

[Vegetables other than potatoes and sweet potatoes.]

CROP.	FARMS REPORTING.		Acres harvested.	Value of product.
	Number.	Per cent of all farms.		
Total.....	9,284	19.3	14,073	\$2,181,714
Beans (green).....	1,590	3.3	520	\$2,130
Beets.....	238	0.5	66	14,758
Cabbages.....	1,069	2.2	468	159,665
Carrots.....	242	0.5	65	15,851
Colery.....	65	0.1	25	10,218
Corn (sweet).....	6,712	13.9	11,316	1,554,800
Cucumbers.....	901	1.9	160	42,108
Lettuce.....	238	0.5	52	21,816
Onions.....	314	0.7	99	28,694
Peas (green).....	1,301	2.7	385	65,827
Rutabagas.....	53	0.1	30	5,512
Squashes.....	274	0.6	221	20,387
Tomatoes.....	583	1.2	132	35,824
Turnips.....	367	0.8	147	28,711
All other vegetables.....	.....	.....	125	21,001
Mixed vegetables.....	199	0.4	253	45,413

These special schedules were tabulated by the Bureau of the Census, and the resulting averages, approved by the Bureau of Crop Estimates as representing a fair average of the farm value per unit, were used in computing most of the crop values presented in the accompanying tables.

For some products it was not possible to find any satisfactory unit on which to base a computation of the total value. Values were therefore obtained on the 1920 census schedule for vegetables, other than potatoes and sweet potatoes, and for the farm garden.

TABLE 36.—MAPLE SUGAR AND SIRUP: 1919 AND 1909.

PRODUCT.	FARMS REPORTING.		Trees tapped.	PRODUCTION.		
	Number.	Per cent of all farms.		Quantity.	Unit.	Value.
Total.....	1919 1909	2,168 2,274	4.5 3.8	234,478 252,764	.....	\$136,405 62,137
Sugar made.....	1919 1909	..... 117	..... 0.2	24,934 16,388	Lbs....	9,973 2,425
Sirup made.....	1919 1909	..... 2,230	..... 3.7	42,144 43,971	Gals..	120,432 49,712

TABLE 37.—SMALL FRUITS: 1919 AND 1909.

CROP.	FARMS REPORTING.		Acres harvested.	PRODUCTION.	
	Number.	Per cent of all farms.		Quantity (quarts).	Value.
Total.....	1919 1909	6,153 .....	12.8 .....	1,573 1,260	1,581,647 2,285,415
Strawberries.....	1919 1909	3,435 3,404	7.1 5.8	555 693	893,740 1,626,250
Raspberries.....	1919 1909	2,007 1,051	4.2 1.8	311 127	279,254 154,121
Raspberries and loganberries.....	1919 1909	2,198 1,404	4.6 2.4	282 146	242,478 153,816
Blackberries and dewberries.....	1919 1909	171 536	0.4 0.9	138 151	57,637 100,192
Cranberries.....	1919 1909	381 1,076	0.8 1.8	44 89	20,420 76,031
Currents.....	1919 1909	235 .....	0.5 .....	243 59	68,109 175,005
Other berries.....	1919 1909	.....	.....	.....	11,580 12,746

TABLE 38.—FRUIT TREES AND GRAPEVINES NOT OF BEARING AGE: 1920 AND 1910.

FRUIT.	FARMS REPORTING.				TREES OR VINES NOT OF BEARING AGE.	
	Number.		Per cent of all farms.		1920	1910
	1920	1910	1920	1910		
Orchard fruits, total <sup>1</sup> .....	11,494	.....	23.8	.....	535,314	1,090,768
Apples.....	9,707	17,362	20.1	28.9	512,217	1,045,123
Peaches.....	366	320	0.8	0.5	2,570	3,320
Pears.....	1,637	3,170	3.4	5.3	7,120	13,013
Plums and prunes.....	2,027	3,614	4.2	6.0	9,395	22,491
Cherries.....	1,026	1,271	2.1	2.1	4,012	6,653
Grapes.....	524	510	1.1	0.8	1,926	1,944

<sup>1</sup> The 1910 figures include apricots and quinces. These fruits were not called for by the 1920 schedule.

TABLE 39.—ORCHARD FRUITS AND GRAPES: 1919 AND 1909.

FRUIT.	FARMS REPORTING TREES OR VINES OF BEARING AGE.				NUMBER OF TREES OR VINES OF BEARING AGE.		PRODUCTION.				
	Number.		Percent of all farms.				Quantity.			Value.	
	1920	1910	1920	1910	1920	1910	Unit.	1919	1909	1919	1909
Orchard fruits, total <sup>1</sup> .....	35,344	42,976	73.3	71.6	2,911,247	3,586,452	Bu....	4,867,703	3,694,251	\$6,370,283	\$2,207,748
Apples.....	34,009	42,976	71.8	71.6	2,833,304	3,476,016	Bu....	4,829,340	3,636,181	9,278,151	2,121,816
Peaches.....	587	683	1.2	1.1	5,606	5,102	Bu....	2,177	2,014	5,225	3,205
Pears.....	5,504	10,857	11.4	18.1	22,525	46,683	Bu....	14,201	38,904	27,869	43,524
Plums and prunes.....	6,792	7,005	14.1	11.8	37,529	43,576	Bu....	20,043	14,637	52,113	31,954
Cherries.....	2,780	3,165	5.8	5.3	12,223	14,288	Bu....	1,846	2,403	6,925	7,104
Grapes.....	2,006	2,880	4.2	4.8	7,339	9,731	Lbs...	100,789	231,529	10,080	6,954

<sup>1</sup> The figures for 1910 and 1909 include apricots, quinces, and mulberries. These fruits were not called for by the 1920 schedule.



COUNTY TABLE I.—FARMS AND FARM PROPERTY, 1920.

		THE STATE.	Andros- coggin.	Aroostook.	Cumber- land.	Franklin.	Hancock.	Kennebec.	Knox.
<b>ALL FARMS.</b>									
1	Number of farms..1920.....	48,227	2,235	6,741	3,740	1,849	2,442	4,442	1,427
2	1910.....	60,010	2,979	7,289	5,131	2,275	3,382	5,062	2,169
3	1900.....	59,299	2,924	6,938	5,101	2,526	2,784	5,523	2,115
4	All farmers classified by sex, 1920:								
5	Male.....number..	45,702	2,128	6,573	3,535	1,769	2,240	4,129	1,340
6	Female.....number..	2,525	107	168	205	80	202	313	87
7	Color and nativity of all farmers, 1920:								
8	Native white.....number..	43,530	2,118	5,118	3,400	1,731	2,331	4,107	1,318
9	Foreign-born white.....number..	4,384	117	1,623	339	118	110	333	109
10	Negro and other nonwhite.....number..	13			1		1	2	
11	All farms classified by size, 1920:								
12	Under 3 acres.....number..	121	4	3	17		17	10	21
13	3 to 9 acres.....number..	1,997	107	106	196	46	144	196	78
14	10 to 19 acres.....number..	2,407	143	108	282	78	201	232	76
15	20 to 49 acres.....number..	6,768	346	545	783	159	577	669	283
16	50 to 99 acres.....number..	14,277	709	2,105	1,301	395	736	1,541	493
17	100 to 174 acres.....number..	14,425	643	2,540	837	679	478	1,233	330
18	175 to 259 acres.....number..	5,229	187	879	206	273	170	397	103
19	260 to 499 acres.....number..	2,454	87	401	88	178	84	145	39
20	500 to 999 acres.....number..	459	4	49	22	34	23	14	4
21	1,000 acres and over.....number..	90		5	8	7	12	5	
<b>LAND AND FARM AREA.</b>									
22	Approximate land area, 1920.....acres..	19,132,800	293,760	4,129,920	545,920	1,144,960	974,080	562,560	224,640
23	Land in farms..1920.....acres..	5,425,968	211,954	850,208	319,776	274,808	226,184	430,020	124,010
24	1910.....acres..	6,296,859	259,760	884,430	387,734	341,301	303,469	467,049	157,715
25	1900.....acres..	6,299,948	257,400	793,205	408,946	393,870	274,390	479,749	156,430
26	Improved land in farms..1920.....acres..	1,977,329	90,483	450,763	129,454	96,294	44,896	173,835	34,048
27	1910.....acres..	2,360,657	103,600	443,007	161,528	109,323	69,030	198,385	51,710
28	1900.....acres..	2,386,889	125,701	389,232	148,436	158,051	51,553	189,994	47,091
29	Woodland in farms, 1920.....acres..	2,447,597	74,571	299,400	135,358	138,852	135,824	155,043	50,657
30	Other unimproved land in farms, 1920.....acres..	1,001,042	46,900	100,036	54,964	39,662	46,404	101,142	33,905
31	Per cent of land area in farms, 1920.....	28.4	72.2	20.6	58.6	24.0	23.5	76.4	55.2
32	Per cent of farm land improved, 1920.....	36.4	42.7	53.0	40.5	35.0	19.6	40.4	27.5
33	Average acreage per farm, 1920.....	112.5	94.8	126.1	85.5	148.6	93.9	96.8	86.9
34	Average improved acreage per farm, 1920.....	41.0	40.5	66.9	34.6	52.1	18.4	39.1	23.9
<b>VALUE OF FARM PROPERTY.</b>									
35	All farm property..1920.....dollars..	270,526,733	11,404,735	77,759,226	20,976,806	9,388,917	9,682,100	20,063,915	5,717,528
36	1910.....dollars..	199,271,998	9,214,698	44,220,004	17,520,103	6,947,540	7,396,374	16,130,345	5,623,889
37	1900.....dollars..	122,410,904	7,319,877	14,683,421	12,519,323	4,678,276	4,567,433	11,888,087	3,918,123
38	Land in farms..1920.....dollars..	114,411,871	3,963,780	42,545,211	8,116,225	3,726,936	4,152,655	7,109,914	2,048,513
39	1910.....dollars..	86,481,395	3,458,995	25,199,046	7,389,947	2,856,997	2,882,610	6,075,497	2,210,963
40	1900.....dollars..	49,359,450	2,897,270	6,893,290	5,371,850	1,774,550	1,783,450	4,650,350	1,507,890
41	Farm buildings..1920.....dollars..	89,697,100	4,157,600	19,976,648	8,127,880	3,022,665	3,732,535	8,339,063	2,171,743
42	1910.....dollars..	73,138,281	3,798,885	10,814,063	7,189,153	2,614,988	3,272,248	6,709,773	2,424,855
43	1900.....dollars..	47,142,700	3,045,050	4,274,020	5,067,720	1,713,290	1,895,510	4,840,050	1,032,720
44	Implements and machinery..1920.....dollars..	20,637,060	1,202,655	7,943,801	1,796,333	903,548	711,425	2,044,212	494,980
45	1910.....dollars..	14,490,533	706,151	3,303,144	1,079,804	454,525	470,743	1,157,074	374,407
46	1900.....dollars..	8,802,720	470,650	1,325,440	775,840	316,300	310,530	770,510	240,070
47	Live stock on farms..1920.....dollars..	39,780,102	2,140,790	7,204,166	2,980,365	1,796,068	1,085,435	3,470,726	1,002,292
48	1910.....dollars..	25,161,839	1,250,687	4,906,757	1,801,204	1,021,630	704,873	2,131,001	608,560
49	1900.....dollars..	17,106,034	906,907	2,220,671	1,303,913	874,136	571,943	1,694,277	477,548
50	Average values, 1920:								
51	All property per farm.....dollars..	5,609	5,130	11,535	5,609	5,078	3,905	4,719	4,007
52	Land and buildings per farm.....dollars..	4,232	3,634	9,275	4,343	3,650	3,229	3,478	2,957
53	Land alone per acre.....dollars..	21.09	18.70	50.04	25.38	18.56	18.12	16.53	16.52
<b>FARMS OPERATED BY OWNERS.</b>									
54	Number of farms..1920.....	45,437	2,100	6,424	3,458	1,743	2,283	4,134	1,331
55	1910.....	56,454	2,747	6,976	4,736	2,164	3,180	4,754	2,031
56	1900.....	55,607	2,725	6,593	4,713	2,410	2,646	5,121	1,950
57	Per cent of all farms, 1920.....	94.2	94.0	95.3	92.5	94.3	93.6	93.1	93.3
58	Land in farms, 1920.....acres..	5,073,850	199,207	809,142	293,216	252,228	213,803	395,628	114,827
59	Improved land in farms, 1920.....acres..	1,853,224	89,309	426,898	118,145	90,020	41,813	159,097	31,674
60	Value of land and buildings, 1920.....dollars..	187,505,075	7,581,710	59,065,224	14,320,505	6,273,950	5,937,104	14,054,940	3,712,696
61	Degree of ownership, 1920:								
62	Farmers owning entire farm.....number..	44,224	2,078	6,244	3,337	1,687	2,199	4,033	1,292
63	Farmers hiring additional land.....number..	1,213	22	180	121	56	84	101	39
64	Color and nativity of owners, 1920:								
65	Native white owners.....number..	41,338	1,996	4,877	3,147	1,635	2,201	3,830	1,230
66	Foreign-born white owners.....number..	4,086	104	1,547	310	108	81	302	101
67	Negro and other nonwhite owners.....number..	13			1		1	2	
<b>FARMS OPERATED BY MANAGERS.</b>									
68	Number of farms..1920.....	786	44	65	110	26	72	78	31
69	1910.....	999	52	47	107	24	78	125	48
70	1900.....	917	49	58	98	21	34	96	39
71	Land in farms, 1920.....acres..	145,793	4,117	12,055	14,921	10,796	9,071	14,057	4,062
72	Improved land in farms, 1920.....acres..	49,431	2,077	6,708	6,029	2,304	1,708	5,793	967
73	Value of land and buildings, 1920.....dollars..	8,764,123	283,470	1,286,000	1,228,775	213,737	1,766,544	708,937	359,970
<b>FARMS OPERATED BY TENANTS.</b>									
74	Number of farms..1920.....	2,004	91	252	172	80	87	230	65
75	1910.....	2,563	180	286	288	87	118	183	90
76	1900.....	2,775	150	287	200	95	104	306	120
77	Per cent of all farms, 1920.....	4.2	4.1	3.7	4.6	4.3	3.6	5.2	4.6
78	Land in farms, 1920.....acres..	208,310	8,540	29,011	11,639	11,789	6,310	20,335	5,121
79	Improved land in farms, 1920.....acres..	74,674	3,037	17,097	5,280	3,880	1,375	8,075	1,477
80	Value of land and buildings, 1920.....dollars..	7,839,773	256,200	2,170,036	688,825	261,014	181,592	685,100	147,690
81	Form of tenancy, 1920:								
82	Share tenants.....number..	292	16	67	16	25	14	26	12
83	Share-cash tenants.....number..	11	2	1	1	1	1	1	1
84	Cash tenants.....number..	1,569	70	167	140	47	72	199	52
85	Unspecified.....number..	132	3	17	15	7		4	
86	Color and nativity of tenants, 1920:								
87	Native white tenants.....number..	1,803	82	195	155	72	78	208	61
88	Foreign-born white tenants.....number..	201	9	57	17	8	9	22	4
89	Negro and other nonwhite tenants.....number..								



	Lincoln.	Oxford.	Penobscot.	Piscataquis.	Sagadahoc.	Somerset.	Waldo.	Washington.	York.
<b>ALL FARMS.</b>									
Number of farms, 1920.....	2,024	3,078	5,188	1,424	852	3,616	3,234	2,501	3,344
1910.....	2,679	3,874	6,614	1,913	1,238	4,184	3,607	2,918	4,802
1900.....	2,808	4,420	6,076	1,935	1,238	4,122	3,674	2,951	5,064
<b>All farmers classified by sex, 1920:</b>									
Male.....	1,914	2,954	4,025	1,382	806	3,463	2,997	2,438	3,106
Female.....	110	124	263	42	40	183	237	123	238
<b>Color and nativity of all farmers, 1920:</b>									
Native white.....	1,067	2,821	4,810	1,279	783	3,335	3,185	2,306	3,155
Foreign-born white.....	57	256	308	145	69	811	40	183	187
Negro and other nonwhite.....	.....	1	4	.....	.....	.....	.....	.....	.....
<b>All farms classified by size, 1920:</b>									
Under 2 acres.....	2	12	6	3	3	2	141	10	11
2 to 9 acres.....	108	90	210	33	10	95	142	178	247
10 to 19 acres.....	119	132	210	34	27	155	155	177	277
20 to 49 acres.....	373	306	692	108	90	308	420	409	601
50 to 99 acres.....	608	713	1,593	348	270	814	896	718	957
100 to 174 acres.....	524	908	1,563	501	308	1,357	1,057	589	788
175 to 259 acres.....	138	464	562	237	102	597	401	223	296
260 to 499 acres.....	50	281	282	131	27	268	142	125	126
500 to 999 acres.....	8	64	56	25	4	59	22	33	35
1,000 acres and over.....	4	9	8	4	2	4	4	9	9
<b>LAND AND FARM AREA.</b>									
Approximate land area, 1920.....	292,480	1,267,200	2,085,120	2,412,800	160,000	2,325,120	463,360	1,617,020	632,960
Land in farms, 1920.....	184,998	894,989	891,275	218,608	95,866	600,883	359,983	272,153	377,693
1910.....	222,024	638,225	670,638	255,541	118,024	595,757	376,813	317,146	413,238
1900.....	233,069	620,704	603,671	265,180	115,043	679,801	381,591	248,782	438,625
<b>Improved land in farms, 1920.....</b>									
1910.....	51,524	134,722	210,485	67,880	33,868	180,815	117,424	56,347	95,001
1900.....	75,023	155,340	277,217	81,218	53,610	244,329	143,837	67,114	140,368
<b>Woodland in farms, 1920.....</b>									
1910.....	58,430	198,474	203,240	104,223	30,270	240,474	155,789	54,010	141,203
1900.....	90,150	238,612	253,910	117,001	35,160	229,243	154,443	103,720	167,238
<b>Other unimproved land in farms, 1920.....</b>									
1910.....	43,324	61,655	117,880	33,787	26,832	90,825	88,110	52,088	64,464
1900.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Per cent of land area in farms, 1920.....	63.3	34.3	28.4	9.1	59.9	21.5	77.7	16.8	51.8
Per cent of farm land improved, 1920.....	27.9	31.0	37.1	31.0	35.3	36.0	32.6	20.7	29.3
Average acreage per farm, 1920.....	91.4	141.3	114.0	153.6	112.5	137.2	111.3	100.3	98.0
Average improved									

COUNTY TABLE II.—LIVE STOCK ON FARMS AND RANGES,

		THE STATE.	Andros- coggin.	Aroostook.	Cumber- land.	Franklin.	Hancock.	Kennebec.	Knox.
<b>DOMESTIC ANIMALS: 1920.</b>									
1	Farms reporting domestic animals.....	44,103	2,062	6,420	3,372	1,713	2,074	4,020	1,310
2	Value of all domestic animals.....	37,458,596	1,995,739	7,099,094	2,647,325	1,663,379	996,725	3,251,228	877,244
3	<b>Horses:</b>								
4	Total number.....	94,350	4,069	21,725	6,055	4,076	2,566	7,961	1,692
5	Colts under 1 year of age.....	1,732	59	555	59	126	24	103	34
6	Colts 1 year old and under 2 years.....	1,894	70	654	80	97	15	128	34
7	Mares 2 years old and over.....	33,703	1,332	8,374	1,844	1,594	854	2,515	740
8	Geldings 2 years old and over.....	56,301	2,536	11,908	4,030	2,151	1,661	4,870	1,173
9	Stallions 2 years old and over.....	720	22	174	42	108	12	39	11
10	Total value.....	15,080,681	660,023	4,703,105	934,470	619,431	409,781	1,104,267	288,749
11	<b>Mules:</b>								
12	Total number.....	444	28	124	21	23	6	40	7
13	Mule colts under 1 year of age.....	26	4	12	1	1	1	8	1
14	Mule colts 1 year old and under 2 years.....	31	2	12	1	1	1	4	1
15	Mules 2 years old and over.....	387	22	100	21	18	6	28	7
16	Total value.....	70,330	4,515	21,070	3,200	2,840	900	4,740	1,400
17	<b>Asses and burros:</b>								
18	Total number.....	46	5	4	5	2	5	1	1
19	Total value.....	3,055	240	300	825	200	220	25	25
20	<b>Cattle:</b>								
21	Total number.....	300,747	17,153	32,870	22,310	15,662	8,662	30,329	8,119
22	Total value.....	18,270,810	1,203,677	1,716,190	1,513,070	901,158	477,634	1,800,439	470,463
23	<b>Beef cattle—</b>								
24	Total number.....	33,474	892	2,090	1,842	2,316	1,951	2,636	1,200
25	Calves under 1 year of age.....	6,040	97	684	308	302	228	438	208
26	Heifers 1 year old and under 2 years.....	2,864	34	374	195	151	81	220	41
27	Cows and heifers 2 years old and over.....	7,062	341	609	304	443	119	534	114
28	Steers 1 year old and under 2 years.....	6,599	100	471	310	526	270	612	308
29	Steers 2 years old and over.....	9,701	251	373	624	831	289	700	498
30	Bulls 1 year old and over.....	1,262	39	179	51	63	55	133	31
31	Total value.....	2,230,336	65,772	125,843	144,148	160,610	62,442	182,108	70,321
32	<b>Dairy cattle—</b>								
33	Total number.....	267,273	16,261	30,180	20,468	13,346	7,611	27,693	6,919
34	Calves under 1 year of age.....	45,898	2,369	7,181	2,967	1,951	1,180	4,453	956
35	Heifers 1 year old and under 2 years.....	41,596	2,575	4,504	3,003	2,142	1,281	4,455	1,017
36	Cows and heifers 2 years old and over.....	175,425	10,858	17,570	13,499	8,947	5,023	18,071	4,826
37	Bulls 1 year old and over.....	6,354	450	625	569	306	127	684	120
38	Total value.....	16,040,474	1,137,905	1,590,847	1,368,922	731,648	415,102	1,018,331	304,142
39	<b>Sheep:</b>								
40	Total number.....	119,471	2,104	26,611	2,302	7,918	5,155	7,166	3,517
41	Lambs under 1 year of age.....	23,660	430	4,777	532	1,845	996	1,403	657
42	Ewes 1 year old and over.....	90,049	1,516	19,607	1,044	5,014	4,022	5,482	2,724
43	Rams 1 year old and over.....	3,967	68	1,091	102	242	124	250	101
44	Wethers 1 year old and over.....	1,795	6	1,136	24	117	13	22	5
45	Total value.....	1,101,780	23,002	285,037	27,098	70,722	40,041	69,733	30,734
46	<b>Goats:</b>								
47	Total number.....	476	15	18	21	8	8	36	10
48	Total value.....	3,809	145	195	305	63	60	250	230
49	<b>Swine:</b>								
50	Total number.....	91,504	4,879	17,943	7,507	3,399	2,803	8,936	3,067
51	Pigs under 6 months old.....	53,036	3,007	7,615	4,603	2,139	2,007	5,822	1,195
52	Sows and gilts for breeding, 6 months old and over.....	12,414	622	2,332	1,097	499	334	1,277	233
53	Boars for breeding, 6 months old and over.....	1,553	85	872	137	70	40	130	28
54	All other hogs, 6 months old and over.....	24,201	1,105	7,630	1,670	691	422	1,098	1,611
55	Total value.....	1,038,125	103,687	373,248	108,822	68,340	50,110	181,601	85,043
<b>POULTRY AND BEES: 1920.</b>									
56	<b>Chickens</b> .....	1,403,284	73,220	153,580	155,699	40,617	54,811	127,117	67,008
57	Other poultry.....	15,058	599	2,395	2,285	539	636	1,455	768
58	Value of all poultry.....	2,219,332	141,840	168,898	283,933	70,333	85,043	208,365	122,256
59	<b>Bees</b> .....	12,639	372	3,242	594	326	353	1,319	343
60	Total value.....	102,174	3,121	26,174	5,110	2,956	3,066	11,133	2,792
<b>LIVE-STOCK PRODUCTS: 1919.</b>									
61	<b>Dairy products:</b>								
62	Milk produced (as reported).....	67,304,799	3,837,234	6,845,166	5,885,976	2,779,915	2,150,201	6,513,622	1,952,673
63	Milk sold.....	28,190,733	2,921,883	369,494	2,684,044	1,253,195	419,346	2,704,856	771,714
64	Cream sold.....	742,813	48,179	42,598	63,638	40,609	18,422	82,203	27,239
65	Butter fat sold.....	2,705,560	71,013	75,994	75,345	269,471	43,589	342,504	49,381
66	Butter made on farms.....	10,855,560	382,545	1,733,957	1,901,978	360,291	620,730	1,000,776	304,361
67	Butter sold.....	6,945,411	302,160	631,754	742,353	256,045	405,459	741,467	203,734
68	Cheese made on farms.....	55,161	1,412	6,872	3,611	600	11,091	142	142
69	Value of dairy products.....	17,772,376	1,304,516	1,120,871	1,741,628	775,730	559,316	1,802,083	519,880
70	Receipts from sale of dairy products.....	15,543,524	1,255,873	671,243	1,571,845	715,002	441,713	1,700,137	403,173
71	Average production of milk per dairy cow.....	433	434	426	454	389	475	414	426
72	<b>Eggs and chickens:</b>								
73	Eggs produced (as reported).....	9,198,081	464,089	636,093	1,070,037	279,178	399,069	817,300	401,143
74	Eggs sold.....	6,770,370	383,662	202,264	839,268	179,924	284,853	628,172	431,042
75	Chickens raised (as reported).....	1,548,458	88,322	146,334	196,401	42,463	61,199	134,609	78,671
76	Chickens sold.....	736,742	49,156	29,537	112,893	20,959	30,000	66,621	44,467
77	Value of chickens and eggs produced.....	6,821,127	370,951	592,151	853,458	201,892	285,801	610,253	363,938
78	Receipts from sale of chickens and eggs.....	4,642,258	270,001	168,274	617,986	121,426	189,584	422,560	200,707
79	<b>Honey and wax:</b>								
80	Honey produced.....	209,072	3,946	77,347	9,615	6,169	5,309	21,612	4,500
81	Wax produced.....	2,387	1	1,223	90	55	44	177	50
82	Value of honey and wax.....	74,250	1,381	27,621	3,406	2,184	1,910	7,044	1,568
83	<b>Wool:</b>								
84	Sheep shorn.....	102,329	1,624	22,754	1,670	7,026	3,978	6,450	2,856
85	Wool produced (as reported).....	617,823	10,255	133,233	10,682	40,782	21,948	39,443	14,105
86	Value.....	383,464	6,044	94,380	6,695	28,426	12,377	22,641	8,774

¹ Value of milk, cream, and butter fat sold, and of butter and cheese made on farms.

COUNTY TABLE III.—DOMESTIC ANIMALS

1	Inclosures reporting domestic animals.....	20,304	1,129	2,310	2,017	940	1,209	1,391	868
2	<b>Horses, total number</b> .....	24,972	1,503	2,457	3,071	1,007	1,020	1,519	874
3	<b>Mules, total number</b> .....	84	1	8	29	5	4	1	3
4	<b>Asses and burros, total number</b> .....	16	1	1	2	1	1	1	1
5	<b>Cattle, total number</b> .....	19,775	1,064	2,042	1,561	1,157	1,641	1,134	978
6	Dairy cows.....	14,271	829	1,765	1,108	816	1,078	788	658
7	<b>Sheep, total number</b> .....	3,936	40	372	77	431	615	182	289
8	<b>Goats, total number</b> .....	150	8	2	23	3	3	13	8
9	<b>Swine, total number</b> .....	15,473	1,166	1,482	1,681	818	673	1,077	339

1920; AND LIVE-STOCK PRODUCTS, 1919.

		Lincoln.	Oxford.	Penobscot.	Piscata- quis.	Sagada- hoc.	Somerset.	Waldo.	Washing- ton.	York.
<b>DOMESTIC ANIMALS: 1920.</b>										
1	Farms reporting domestic animals.....number..	1,825	2,008	4,800	1,322	807	3,331	2,828	2,302	2,040
2	Value of all domestic animals.....dollars..	1,178,871	2,803,609	4,370,942	1,249,456	692,272	2,894,197	2,102,166	1,280,854	2,200,494
<b>Horses:</b>										
3	Total number.....	2,080	5,979	10,096	3,025	1,545	8,070	5,702	3,240	4,057
4	Colts under 1 year of age.....	30	93	213	48	15	205	80	40	42
5	Colts 1 year old and under 2 years.....	89	89	239	62	19	184	73	74	82
6	Mares 2 years old and over.....	911	2,177	4,040	1,022	510	2,910	1,968	1,203	1,341
7	Geldings 2 years old and over.....	1,702	3,579	6,114	1,807	980	4,711	3,529	1,908	3,510
8	Stallions 2 years old and over.....	4	41	84	20	15	64	41	21	26
9	Total value.....dollars..	420,909	948,325	1,702,822	513,204	231,251	1,197,554	825,739	587,730	743,255
<b>Mules:</b>										
10	Total number.....	0	4	35	18	8	67	23	12	22
11	Mule colts under 1 year of age.....	0	1	1	1	1	2	1	1	1
12	Mule colts 1 year old and under 2 years.....	0	3	3	3	0	0	0	0	0
13	Mules 2 years old and over.....	0	4	33	14	7	65	23	11	21
14	Total value.....dollars..	775	700	4,000	3,050	1,175	12,535	3,189	2,350	3,210
<b>Asses and burros:</b>										
15	Total number.....	0	4	1	3	3	6	2	1	4
16	Total value.....dollars..	0	225	25	205	150	320	50	25	125
<b>Cattle:</b>										
17	Total number.....	10,430	27,028	30,423	9,830	5,905	25,872	19,938	10,956	19,560
18	Total value.....dollars..	988,910	1,780,636	2,289,214	589,888	392,789	1,407,800	1,121,077	564,027	1,307,772
<b>Beef cattle:</b>										
19	Total number.....	1,971	5,016	2,501	885	547	2,910	1,509	1,283	4,075
20	Calves under 1 year of age.....	267	706	403	210	83	499	201	383	783
21	Heifers 1 year old and under 2 years.....	102	358	281	70	52	287	96	100	323
22	Cows and heifers 2 years old and over.....	244	1,115	718	206	110	703	227	288	866
23	Stoers 1 year old and under 2 years.....	446	1,081	439	154	139	556	301	215	672
24	Stoers 2 years old and over.....	793	1,502	557	180	167	695	581	107	1,344
25	Bulls 1 year old and over.....	50	104	133	59	20	110	73	00	87
26	Total value.....dollars..	163,212	309,835	136,825	50,473	37,090	172,807	91,880	64,470	328,080
<b>Dairy cattle:</b>										
27	Total number.....	8,459	22,612	33,832	8,945	5,358	22,962	18,369	8,773	15,485
28	Calves under 1 year of age.....	1,251	3,040	5,410	1,613	884	2,521	2,521	1,092	2,100
29	Heifers 1 year old and under 2 years.....	1,295	3,321	5,130	1,381	815	3,585	2,782	1,324	2,386
30	Cows and heifers 2 years old and over.....	5,704	15,073	22,426	5,831	3,501	14,719	12,611	6,616	10,080
31	Bulls 1 year old and over.....	110	572	866	220	158	564	455	141	809
32	Total value.....dollars..	535,008	1,300,801	2,162,389	539,415	355,729	1,235,059	1,020,107	490,587	1,009,742
<b>Sheep:</b>										
33	Total number.....	2,026	5,073	18,933	9,712	2,621	15,454	6,875	5,890	1,314
34	Lambs under 1 year of age.....	366	1,071	4,008	1,206	266	3,301	1,329	1,080	308
35	Ewes 1 year old and over.....	1,003	3,700	14,200	6,106	2,011	11,624	5,120	4,503	925
36	Rams 1 year old and over.....	51	215	510	214	80	425	207	171	07
37	Wethers 1 year old and over.....	0	18	110	6	155	104	19	40	14
38	Total value.....dollars..	17,038	55,622	181,774	67,639	30,203	126,830	60,453	68,898	20,000
<b>Goats:</b>										
39	Total number.....	0	141	47	12	10	4	125	1	11
40	Total value.....dollars..	0	848	871	67	195	65	864	10	132
<b>Swine:</b>										
41	Total number.....	2,272	5,517	10,204	3,510	1,276	7,520	4,473	2,548	5,250
42	Pigs under 6 months old.....	1,002	3,532	6,142	2,130	702	4,700	2,850	1,808	3,086
43	Sows and gilts for breeding, 6 months old and over.....	221	737	1,017	528	202	957	547	303	618
44	Boars for breeding, 6 months old and over.....	32	88	163	64	23	125	61	37	80
45	All other hogs, 6 months old and over.....	417	1,100	2,072	782	250	1,744	1,014	400	1,457
46	Total value.....dollars..	50,270	120,253	198,076	75,443	30,449	149,021	90,704	58,299	125,100
<b>POULTRY AND BEES: 1920.</b>										
47	Chickens.....number..	74,515	79,524	142,730	30,698	38,204	80,670	103,476	40,188	118,209
48	Other poultry.....number..	580	806	906	400	420	600	978	400	1,099
49	Value of all poultry.....dollars..	129,096	133,127	199,122	55,283	64,033	133,408	152,415	61,316	210,174
50	Bees.....number of hives..	283	378	1,815	650	209	1,056	961	343	389
51	Total value.....dollars..	2,520	3,020	13,897	5,439	1,838	7,624	7,303	2,798	3,328
<b>LIVE-STOCK PRODUCTS: 1919.</b>										
<b>Dairy products:</b>										
52	Milk produced (as reported).....gallons..	2,134,059	5,746,868	9,325,181	2,389,151	1,370,898	5,038,214	4,057,645	2,028,358	4,042,738
53	Milk sold.....gallons..	953,942	3,167,209	4,767,415	1,012,700	632,823	1,555,804	2,055,148	420,770	1,010,330
54	Cream sold.....gallons..	1,353	49,050	101,808	40,354	10,918	93,303	42,772	34,851	30,276
55	Butter fat sold.....pounds..	80,350	259,959	309,053	73,826	18,401	605,411	258,007	24,098	24,208
56	Butter made on farms.....pounds..	368,775	584,781	1,146,701	301,083	243,345	600,888	480,267	784,806	703,587
57	Butter sold.....pounds..	231,212	376,951	781,519	247,043	189,403	420,820	299,298	500,724	549,409
58	Cheese made on farms.....pounds..	175	2,215	1,194	4,470	84	19,510	989	215	448
59	Value of dairy products.....dollars..	535,009	1,513,788	2,380,940	671,848	430,071	1,322,370	1,218,034	607,644	1,248,296
60	Receipts from sale of dairy products.....dollars..	457,531	1,381,426	2,171,943	506,293	397,058	1,171,743	1,110,906	512,622	1,115,506
61	Average production of milk per dairy cow.....gallons..	410	408	455	499	421	425	409	531	420
<b>Eggs and chickens:</b>										
62	Eggs produced (as reported).....dozens..	515,740	556,028	936,832	205,804	248,360	536,055	649,455	333,269	758,949
63	Eggs sold.....dozens..	443,910	465,424	603,070	158,640	207,422	402,329	575,848	237,024	586,718
64	Chickens raised (as reported).....number..	100,707	92,765	146,283	39,476	44,336	89,459	99,336	38,896	149,272
65	Chickens sold.....number..	40,040	43,200	69,422	19,477	22,020	43,058	49,211	19,332	70,011
66	Value of chickens and eggs produced.....dollars..	390,102	431,037	682,700	102,452	216,061	419,220	480,452	225,403	630,144
67	Receipts from sale of chickens and eggs.....dollars..	279,951	314,472	438,241	111,680	154,000	280,131	381,959	150,704	443,556
<b>Honey and wax:</b>										
68	Honey produced.....pounds..	2,004	5,082	20,343	11,324	3,132	10,388	10,878	5,938	4,785
69	Wax produced.....pounds..	98	89	70	175	87	119	54	68	02
70	Value of honey and wax.....dollars..	970	1,779	9,254	4,042	1,113	3,600	3,831	2,118	1,703
<b>Wool:</b>										
71	Sheep shorn.....number..	1,708	4,441	15,876	6,487	2,382	13,747	5,492	4,702	1,010
72	Wool produced (as reported).....pounds..	10,741	20,047	94,470	39,845	16,450	86,341	32,209	28,482	6,189
73	Value.....dollars..	7,199	10,311	54,465	24,515	9,589	62,000	19,310	16,428	3,901

<sup>1</sup> Value of milk, cream, and butter fat sold, and of butter and cheese made on farms.

NOT ON FARMS OR RANGES: 1920.

1	Inclosures reporting domestic animals.....	515	1,423	2,148	807	481	1,220	715	1,445	1,005
2	Horses, total number.....	538	1,940	2,454	1,604	505	1,727	859	1,109	1,999
3	Mules, total number.....	0	2	4	1	3	0	0	0	11
4	Asses and burros, total number.....	0	2	3	0	0	1	0	2	2
5	Cattle, total number.....	593	1,492	1,932	700	436	1,098	628	1,717	1,602
6	Dairy cows.....	380	1,076	1,422	540	291	795	497	1,177	1,051
7	Sheep, total number.....	217	135	337	158	1	157	21	832	72
8	Goats, total number.....	0	12	11	47	3	8	0	1	7
9	Swine, total number.....	187	1,107	1,957	952	338	1,234	316	724	1,422

COUNTY TABLE V.—MORTGAGE DEBT, 1920; AND EXPENDITURES FOR LABOR, FERTILIZER, AND FEED, 1919.

	THE STATE.	Andros- coggin.	Aroostook.	Cumber- land.	Franklin.	Hancock.	Kennebec.	Knox.
MORTGAGE DEBT REPORTS: 1920.								
1 For all farms operated by owners:								
2 Number free from mortgage debt.....	30,065	1,329	3,136	2,535	1,111	1,801	2,777	1,062
3 Number with mortgage debt.....	13,023	592	3,191	835	589	327	1,279	201
4 Number with no mortgage report.....	1,749	179	97	88	43	155	78	68
5 For farms consisting of owned land only:								
6 Number of farms reporting amount of debt.....	12,345	561	3,065	810	551	309	1,214	187
7 Value of land and buildings.....dollars..	58,427,088	2,008,820	28,146,531	3,150,858	1,958,850	790,400	4,245,055	442,650
8 Amount of mortgage debt.....dollars..	18,502,225	754,327	8,533,629	994,410	677,962	260,139	1,391,650	136,611
Ratio of debt to value.....per cent..	31.8	37.6	30.3	31.6	34.6	32.5	32.8	30.9
Average rate of interest paid.....per cent..	6.1	5.9	6.3	5.9	5.9	5.9	5.0	5.8
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.								
9 Labor:								
10 Farms reporting.....number..	26,735	1,142	4,776	2,203	1,085	1,047	2,421	778
11 Total expenditure.....dollars..	9,641,064	418,024	3,888,426	726,938	283,700	277,510	584,416	153,924
12 Amount in cash.....dollars..	7,506,437	251,145	2,903,096	576,597	223,906	245,181	475,544	120,162
13 Value of rent and board furnished.....dollars..	2,134,627	166,879	925,330	151,341	59,794	32,329	108,872	27,762
14 Fertilizer:								
15 Farms reporting.....number..	22,641	1,042	5,326	1,860	1,050	581	1,041	531
16 Amount expended.....dollars..	7,769,067	71,655	6,123,353	120,272	100,621	38,782	159,357	36,823
15 Feed:								
16 Farms reporting.....number..	39,794	1,974	3,260	3,384	1,600	2,055	3,876	1,306
Amount expended.....dollars..	14,858,557	1,079,340	682,718	1,609,457	543,597	567,686	1,438,378	595,497

	Lincoln.	Oxford.	Penobscot.	Piscata- quis.	Sagada- hoc.	Somerset.	Waldo.	Washing- ton.	York.
MORTGAGE DEBT REPORTS: 1920.									
1 For all farms operated by owners:									
2 Number free from mortgage debt.....	1,453	1,813	3,373	846	547	2,213	2,188	1,903	2,518
3 Number with mortgage debt.....	246	980	1,481	480	182	1,161	683	305	651
4 Number with no mortgage report.....	211	136	74	7	44	87	210	194	78
5 For farms consisting of owned land only:									
6 Number of farms reporting amount of debt.....	226	890	1,427	451	175	1,076	630	273	500
7 Value of land and buildings.....dollars..	554,650	2,794,870	4,630,060	1,475,550	634,650	3,593,325	1,584,670	601,800	1,805,749
8 Amount of mortgage debt.....dollars..	160,950	961,484	1,503,526	464,556	193,830	1,324,184	528,088	143,731	574,039
Ratio of debt to value.....per cent..	28.9	34.4	32.5	30.8	30.5	36.9	33.3	23.9	31.8
Average rate of interest paid.....per cent..	5.9	5.9	6.0	5.9	5.9	5.9	5.9	6.0	5.8
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.									
9 Labor:									
10 Farms reporting.....number..	995	1,817	2,843	875	374	1,861	1,628	952	1,938
11 Total expenditure.....dollars..	132,406	514,884	870,290	268,016	109,717	425,740	328,897	214,829	446,338
12 Amount in cash.....dollars..	116,692	408,895	689,332	195,258	83,890	345,936	253,935	184,744	367,124
13 Value of rent and board furnished.....dollars..	15,714	105,989	180,958	72,758	22,827	79,813	74,962	30,085	79,214
14 Fertilizer:									
15 Farms reporting.....number..	574	1,648	2,270	660	243	1,652	1,090	744	1,429
16 Amount expended.....dollars..	21,962	80,442	431,903	107,093	27,682	179,792	129,500	61,393	60,437
15 Feed:									
16 Farms reporting.....number..	1,810	2,895	4,574	1,253	782	3,109	2,758	2,179	2,970
Amount expended.....dollars..	628,541	1,252,202	1,720,564	461,645	412,795	905,344	1,161,110	565,920	1,243,748

# NEW HAMPSHIRE.

## INTRODUCTION.

In the following pages are presented all the statistics of agriculture for New Hampshire collected at the census of 1920, except a few minor items which are given in the state tables of the United States summary, at the beginning of this volume, and certain detailed tabulations which appear in Volume V of the Fourteenth Census Reports. The statistics of farms and farm property, including live stock, relate to January

1, 1920; those of live-stock products, crops, and farm expenditures are for the calendar year 1919. In order to show the present tendency in agriculture, comparative figures for the census of 1910 are given throughout; and to show the general trend of the agricultural industry over a considerable period of time, all general farm information available is presented for the different censuses since 1850.

## FARMS AND FARM PROPERTY.

TABLE 1.—SUMMARY: 1920 AND 1910.

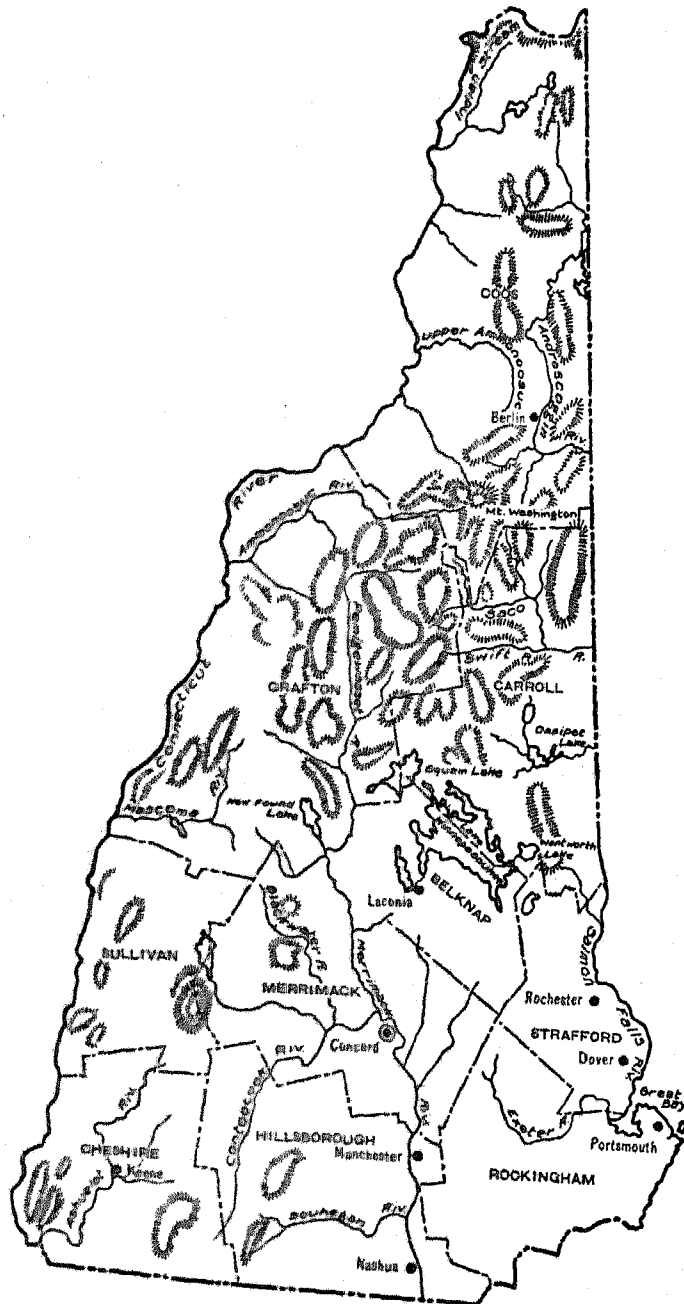
ITEM.	1920 (January 1)	1910 (April 15)	INCREASE. <sup>1</sup>	
			Amount.	Per cent.
Population, total.....	443,083	430,572	12,511	2.9
Rural <sup>2</sup> .....	163,322	175,473	-12,151	-6.9
Urban.....	279,761	255,099	24,662	9.7
Per cent rural.....	36.9	40.8		
Number of farms.....	20,523	27,053	-6,530	-24.1
Approximate land area of the state.....acres..	5,779,840	5,779,840		
All land in farms.....acres..	2,603,806	3,249,458	-645,652	-19.9
Improved land in farms.....acres..	702,902	929,185	-226,283	-24.4
Woodland in farms.....acres..	1,299,838	1,502,389	-202,551	-13.5
Other unimproved land in farms.....acres..	601,066	817,884	-216,818	-26.5
Per cent of land area in farms.....	45.0	56.2		
Per cent of farm land improved.....	27.0	28.6		
Average acreage per farm.....	126.9	120.1	6.8	5.7
Average improved acreage per farm.....	34.2	34.3	-0.1	-0.3
Value of all farm property.....	\$118,656,115	\$103,704,196	\$14,951,919	14.4
Land and buildings.....	89,995,870	85,916,061	4,079,809	4.7
Land alone.....	47,425,331	44,519,047	2,906,284	6.5
Buildings.....	42,570,539	41,397,014	1,173,525	2.8
Implements and machinery.....	9,499,322	5,877,657	3,621,665	61.6
Live stock.....	19,160,923	11,910,478	7,250,445	60.9
Average value per farm:				
All farm property.....	5,782	3,833	1,949	50.8
Land and buildings.....	4,385	3,176	1,209	38.1
Land alone.....	2,311	1,646	665	40.4
Buildings.....	2,074	1,530	544	35.6
Implements and machinery.....	463	217	246	113.4
Live stock.....	934	440	494	112.3
Average value per acre of land in farms:				
All farm property.....	45.57	31.91	13.66	42.8
Land and buildings.....	34.56	26.44	8.12	30.7
Land alone.....	18.21	13.70	4.51	32.9
Buildings.....	16.35	12.74	3.61	28.3
Implements and machinery.....	3.65	1.81	1.84	101.7
Live stock.....	7.36	3.67	3.69	100.5

<sup>1</sup> A minus sign (-) denotes decrease.

<sup>2</sup> Population residing outside of incorporated places or towns having 2,500 inhabitants or over. The rate of increase (or decrease) in the rural population between the two censuses is affected somewhat by the fact that certain places classified as rural in 1910 had become urban by 1920. The population in 1910 of the territory classified as rural in 1920 was 174,057. For this territory, the population shows a decrease between 1910 and 1920 amounting to 6.2 per cent, which percentage indicates the rate of decline in the rural population, leaving out of consideration the changes in classification of territory.

# NEW HAMPSHIRE

COUNTIES, PRINCIPAL CITIES, RIVERS, AND MOUNTAINS.



EXPLANATION OF TERMS.

To assist in securing comparability for its statistics of agriculture, the Bureau of the Census provided the enumerators with certain definitions and instructions, the more important of which were essentially as given below.

**Farm.**—A "farm" for census purposes is all the land which is directly farmed by one person managing and conducting agricultural operations, either by his own labor alone or with the assistance of members of his household or hired employees. The term "agricultural operations" is used as a general term, referring to the work of growing crops, producing other agricultural products, and raising domestic animals, poultry, and bees. A "farm" as thus defined may consist of a single tract of land or of a number of separate and distinct tracts, and these several tracts may be held under different tenures, as where one tract is owned by the farmer and another tract is hired by him. When a landowner has one or more tenants, renters, croppers, or managers, the land operated by each is considered a "farm."

In applying the foregoing definition of a "farm" for census purposes, enumerators were instructed to report as a "farm" any tract of 3 or more acres used for agricultural purposes, and also any tract containing less than 3 acres which produced at least \$250 worth of farm products in the year 1919, or required for its agricultural operations the continuous services of at least one person.

**Farmer.**—A "farmer," or "farm operator," according to the census definition, is a person who directs the operation of a farm. Hence owners of farms who do not themselves direct the farm operations are not reported as "farmers." Farmers are divided by the Bureau of the Census into three general classes according to the character of their tenure, namely, owners, managers, and tenants.

**Farm owners** include (1) farmers operating their own land only and (2) those operating both their own land and some land hired from others. The latter are sometimes referred to in the census reports as "part owners," the term "full owners" being then used for those owning all their land.

**Managers** are farmers who are conducting farm operations for the owner for wages or a salary.

**Farm tenants** are farmers who, as tenants, renters, or croppers, operate hired land only. They were reported in 1920 in five classes: (1) Share tenants—those who pay a certain share of the products, as one-half, one-third, or one-quarter, for the use of the farm but furnish their own farm equipment and animals; (2) croppers—share tenants who do not furnish their work animals; (3) share-cash tenants—those who pay a share of the products for part of the land rented by them and cash for part; (4) cash tenants—those who pay a cash rental, as \$7 per acre of crop land or \$500 for the use of the whole farm; (5) standing renters—those who pay a stated amount of farm products for the use of the farm, as 3 bales of cotton or 500 bushels of corn. In some cases the character of the tenancy was not ascertained by the enumerator; such tenants are designated "unspecified."

**Farm land.**—Farm land is divided into (1) improved land, (2) woodland, and (3) other unimproved land.

**Improved land** includes all land regularly tilled or mowed, land in pasture which has been cleared or tilled, land lying fallow, land in gardens, orchards, vineyards, and nurseries, and land occupied by farm buildings.

**Woodland** includes all land covered with natural or planted forest trees which produce, or later may produce, firewood or other forest products.

**All other unimproved land** includes brush land, rough or stony land, swamp land, and any other land which is not improved or in forest.

The census classification of farm land as "improved land," "woodland," and "other unimproved land" is one not always easy for the farmers or enumerators to make, and the statistics, therefore, must be considered at best only a close approximation.

NUMBER OF FARMS, ACREAGE, AND VALUE.

TABLE 2.—NUMBER OF FARMS AND FARM ACREAGE: 1850 TO 1920.

CENSUS YEAR.	FARMS.		LAND IN FARMS.				Per cent of land area in farms.	Per cent of farm land im- proved.
	Num- ber.	Per cent of in- crease. <sup>1</sup>	All land.		Improved land.			
			Acres.	Per cent of in- crease. <sup>1</sup>	Acres.	Per cent of in- crease. <sup>1</sup>		
1920.....	20,523	-24.1	2,603,806	-19.9	702,902	-24.4	45.0	27.0
1910.....	27,053	-7.7	3,240,458	-10.0	929,185	-13.7	56.2	25.6
1900.....	29,324	0.6	3,009,804	4.4	1,076,879	-37.7	62.5	29.8
1890.....	29,151	-9.4	3,450,018	-7.0	1,727,387	-25.2	58.8	49.9
1880.....	32,181	8.6	3,721,173	3.2	2,308,112	-1.1	64.4	62.0
1870.....	29,642	-2.8	3,605,994	-3.7	2,334,487	-1.4	62.4	64.7
1860.....	30,501	4.4	3,744,625	10.4	2,387,034	5.1	64.8	63.2
1850.....	29,229	.....	3,392,414	.....	2,251,488	.....	58.7	66.4

<sup>1</sup> A minus sign (-) denotes decrease.

TABLE 3.—VALUE OF FARM PROPERTY: 1850 TO 1920.

CENSUS YEAR.	ALL FARM PROPERTY.		LAND AND BUILDINGS.		IMPLEMENTS AND MACHINERY.		LIVE STOCK.	
	Value.	Per cent of increase. <sup>1</sup>	Value.	Per cent of increase. <sup>1</sup>	Value.	Per cent of increase.	Value.	Per cent of increase. <sup>1</sup>
1920....	\$118,656,115	14.4	\$89,995,870	4.7	\$9,490,322	61.6	\$19,160,923	60.9
1910.....	103,704,196	20.8	85,918,031	22.5	5,877,657	13.8	11,910,478	12.8
1900.....	85,842,096	7.0	70,124,380	6.0	5,163,090	49.6	10,554,648	1.0
1890.....	80,207,575	-9.6	66,162,600	-12.8	3,594,850	17.1	10,450,125	6.5
1880.....	88,715,693	11.7	75,834,389	17.6	3,060,240	10.9	9,812,064	-10.6
1870.....	79,436,641	-4.0	64,471,451	-7.5	2,767,954	3.2	12,197,236	11.6
1860.....	83,297,400	25.4	69,689,781	28.1	2,683,012	15.9	10,924,627	23.1
1850.....	66,432,023	.....	55,245,997	.....	2,314,125	.....	8,871,901	.....

<sup>1</sup> A minus sign (-) denotes decrease.

<sup>2</sup> Computed gold values, being 80 per cent of the currency values reported.

TABLE 4.—AVERAGE ACREAGE AND AVERAGE VALUE PER FARM: 1850 TO 1920.

[Averages are based on "all farms" in the state.]

CENSUS YEAR.	AVERAGE ACREAGE PER FARM.		AVERAGE VALUE PER FARM.			
	All land.	Im- proved land.	All farm property.	Land and buildings.	Imple- ments and machinery.	Live stock.
1920.....	126.9	34.2	\$5,782	\$4,385	\$463	\$934
1910.....	120.1	34.3	3,833	3,176	217	440
1900.....	123.1	36.7	2,927	2,391	176	300
1890.....	118.7	50.3	2,751	2,270	123	358
1880.....	115.6	71.7	2,757	2,355	95	305
1870.....	121.7	78.3	2,680	2,175	93	411
1860.....	122.8	77.6	2,731	2,285	88	358
1850.....	116.1	77.0	2,273	1,890	79	304

<sup>1</sup> Computed gold values, being 80 per cent of the currency values reported.

TABLE 5.—AVERAGE VALUE PER ACRE: 1850 TO 1920.

[Averages are based on "all land in farms" in the state.]

CENSUS YEAR.	All farm property.	Land and buildings.	Land alone.	Buildings alone.	Imple- ments and machinery.	Live stock.
1920.....	\$45.57	\$34.50	\$18.21	\$16.35	\$3.65	\$7.36
1910.....	31.91	26.44	13.70	12.74	1.81	3.67
1900.....	23.78	19.43	9.83	9.59	1.43	2.92
1890.....	23.19	19.13	.....	.....	1.04	3.02
1880.....	23.84	20.38	.....	.....	0.82	2.64
1870.....	22.03	17.88	.....	.....	0.77	3.38
1860.....	22.24	18.61	.....	.....	0.72	2.92
1850.....	19.58	16.29	.....	.....	0.68	2.62

<sup>1</sup> Computed gold values, being 80 per cent of the currency values reported.



## AGRICULTURE—NEW HAMPSHIRE.

## FARMS BY SIZE.

TABLE 6.—NUMBER OF FARMS, BY SIZE: 1920 AND 1910.

SIZE GROUP.	NUMBER OF FARMS.		INCREASE. <sup>1</sup>		PER CENT OF TOTAL.	
	1920	1910	Number.	Per cent.	1920	1910
Total.....	29,523	27,053	-2,470	-9.1	100.0	100.0
Under 20 acres.....	2,997	4,595	-1,598	-37.0	14.1	17.0
Under 3 acres.....	113	92	21	0.6	0.3	0.3
3 to 9 acres.....	1,352	2,307	-1,005	-42.6	6.6	8.7
10 to 19 acres.....	1,432	2,196	-764	-34.8	7.0	7.9
20 to 49 acres.....	3,375	4,509	-1,134	-25.1	16.4	16.7
50 to 99 acres.....	4,888	6,268	-1,380	-21.8	23.8	23.1
100 to 174 acres.....	4,966	6,247	-1,281	-20.2	24.3	23.1
175 to 499 acres.....	3,399	4,774	-1,375	-29.2	18.6	17.6
500 to 999 acres.....	2,329	2,994	-665	-21.7	11.3	11.0
1,000 acres and over.....	1,489	1,810	-321	-17.7	7.8	6.7
500 to 999 acres.....	493	513	-20	-3.9	2.1	1.9
1,000 acres and over.....	135	167	-32	-19.2	0.7	0.6

<sup>1</sup> A minus sign (-) denotes decrease. Per cent not shown when base is less than 100.

TABLE 7.—NUMBER OF FARMS AND PER CENT DISTRIBUTION, BY SIZE: 1880 TO 1920.

SIZE GROUP.	1920	1910	1900	1890	1880
Total number of farms.....	29,523	27,053	29,324	29,151	32,181
Under 20 acres.....	2,997	4,595	2,072	1,720	1,832
Under 3 acres.....	113	92	1,027	1,824	2,056
3 to 9 acres.....	1,432	2,196	4,765	4,644	5,062
10 to 19 acres.....	3,375	4,509	7,129	7,367	8,716
20 to 49 acres.....	4,888	6,268	12,793	13,074	13,446
50 to 99 acres.....	4,966	6,247	510	425	385
100 to 174 acres.....	135	167	154	109	104
175 to 499 acres.....	3,399	4,774	100.0	100.0	100.0
500 to 999 acres.....	2,329	2,994	7.1	5.9	5.7
1,000 acres and over.....	1,489	1,810	7.0	6.3	6.3
500 to 999 acres.....	493	513	16.4	15.0	17.6
1,000 acres and over.....	135	167	23.8	23.2	27.1
Per cent of all farms.....	42.0	49.7	43.5	44.8	41.8
Under 20 acres.....	2.1	1.9	1.7	1.5	1.2
1,000 acres and over.....	0.7	0.6	0.6	0.4	0.3

TABLE 8.—FARM ACREAGE AND VALUE, BY SIZE OF FARM: 1920 AND 1910.

SIZE GROUP.	ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.	
	1920	1910	1920	1910	1920	1910
Total.....	2,693,806	3,249,458	702,902	829,185	\$39,995,870	\$55,916,061
Under 20 acres.....	27,926	42,563	18,749	30,314	6,409,089	8,104,281
Under 3 acres.....	111,567	146,613	49,934	68,056	8,377,375	9,187,087
3 to 9 acres.....	344,807	494,935	121,208	164,314	15,130,479	14,413,621
10 to 19 acres.....	631,682	787,462	191,238	256,561	19,930,665	19,065,747
20 to 49 acres.....	999,126	1,221,680	265,410	314,777	27,130,080	24,990,313
50 to 99 acres.....	267,907	322,557	47,613	58,667	6,699,137	6,197,406
100 to 174 acres.....	229,789	294,387	31,128	37,296	6,961,405	4,577,698

TABLE 9.—PER CENT OF FARM LAND IMPROVED, AND AVERAGE VALUES, BY SIZE OF FARM: 1920 AND 1910.

SIZE GROUP.	PER CENT OF FARM LAND IMPROVED.		AVERAGE VALUE OF LAND AND BUILDINGS.			
			Per farm.		Per acre.	
	1920	1910	1920	1910	1920	1910
Total.....	27.0	28.6	\$4,285	\$3,176	\$54.56	\$35.44
Under 20 acres.....	67.4	71.2	2,311	1,764	230.22	190.40
Under 3 acres.....	44.8	46.6	2,541	2,038	78.98	62.93
3 to 9 acres.....	38.2	37.8	2,109	2,307	43.94	33.15
10 to 19 acres.....	30.3	32.5	4,067	3,052	31.62	24.21
20 to 49 acres.....	24.8	25.8	7,128	5,105	27.42	19.95
50 to 99 acres.....	17.6	18.2	15,402	12,081	24.98	19.21
100 to 174 acres.....	13.5	12.7	44,809	27,411	26.26	15.35

## FARMS BY TENURE.

TABLE 10.—NUMBER OF FARMS, BY TENURE: 1920 AND 1910.

TENURE.	NUMBER OF FARMS.		INCREASE. <sup>1</sup>		PER CENT OF TOTAL.	
	1920	1910	Number.	Per cent.	1920	1910
Total.....	29,523	27,053	-2,470	-9.1	100.0	100.0
Owners.....	18,604	24,493	-5,889	-24.0	90.6	90.5
Owning entire farm.....	17,836	23,714	-5,878	-24.8	86.9	87.7
Hiring additional land.....	768	779	-11	-1.4	3.7	2.9
Managers.....	546	681	-135	-19.8	2.7	2.5
Tenants.....	1,373	1,879	-506	-26.9	6.7	6.9
Share tenants.....	120	151	-31	-20.5	0.6	0.6
Share-cash tenants.....	5	29	-24	( <sup>2</sup> )	( <sup>2</sup> )	0.1
Cash tenants.....	1,073	1,224	-151	-12.3	5.2	4.5
Unspecified.....	175	475	-300	-63.2	0.9	1.8

<sup>1</sup> A minus sign (-) denotes decrease. Per cent not shown when base is less than 100.

<sup>2</sup> Less than one-tenth of 1 per cent.

TABLE 11.—NUMBER OF FARMS AND PER CENT DISTRIBUTION, BY TENURE: 1880 TO 1920.

TENURE.	1920	1910	1900	1890	1880
Total number of farms.....	29,523	27,053	29,324	29,151	32,181
Farms operated by owners.....	18,604	24,493	25,450	26,827	29,550
Owning entire farm.....	17,836	23,714	25,881	( <sup>2</sup> )	( <sup>2</sup> )
Hiring additional land.....	768	779	569	( <sup>2</sup> )	( <sup>2</sup> )
Farms operated by managers.....	546	681	689	( <sup>2</sup> )	( <sup>2</sup> )
Farms operated by tenants.....	1,373	1,879	2,185	2,324	2,615
Share tenants.....	120	151	546	1,013	1,378
Share-cash tenants.....	5	29			
Cash tenants.....	1,073	1,224	1,639	1,311	1,237
Unspecified.....	175	475			
Per cent of all farms.....	100.0	100.0	100.0	100.0	100.0
Operated by owners.....	90.6	90.5	90.2	92.0	91.9
Owning entire farm.....	86.9	87.7	88.3	( <sup>2</sup> )	( <sup>2</sup> )
Hiring additional land.....	3.7	2.9	1.9	( <sup>2</sup> )	( <sup>2</sup> )
Operated by managers.....	2.7	2.5	2.3	( <sup>2</sup> )	( <sup>2</sup> )
Operated by tenants.....	6.7	6.9	7.5	8.0	8.1
Share and share-cash.....	0.6	0.7	1.9	3.5	4.3
Cash and unspecified.....	6.1	6.3	5.6	4.5	3.8

<sup>1</sup> Includes farms operated by managers.

<sup>2</sup> Not reported separately.

<sup>3</sup> Included with farms operated by owners.

TABLE 12.—FARM ACREAGE AND VALUE, BY TENURE: 1920 AND 1910.

TENURE.	ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.	
	1920	1910	1920	1910	1920	1910
Total.....	2,693,806	3,249,458	702,902	829,185	\$39,995,870	\$55,916,061
Owners.....	2,296,353	2,863,633	623,673	829,301	75,518,677	74,451,558
Managers.....	154,358	209,625	33,821	42,790	9,351,273	6,767,633
Tenants.....	133,065	176,200	45,408	57,094	5,125,920	4,696,870

TABLE 13.—PER CENT DISTRIBUTION OF FARMS AND OF FARM ACREAGE AND VALUE, BY TENURE: 1920 AND 1910.

TENURE.	NUMBER OF FARMS.		ALL LAND IN FARMS.		IMPROVED LAND IN FARMS.		VALUE OF LAND AND BUILDINGS.	
	1920	1910	1920	1910	1920	1910	1920	1910
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	90.6	90.5	88.2	88.1	88.7	89.3	83.9	86.7
Managers.....	2.7	2.5	5.9	6.5	4.8	4.6	10.4	7.9
Tenants.....	6.7	6.9	5.9	5.4	6.5	6.1	5.7	5.5



TABLE 14.—AVERAGE ACREAGE, PER CENT OF FARM LAND IMPROVED, AND AVERAGE VALUES, BY TENURE: 1920 AND 1910.

TENURE.	AVERAGE ACREAGE PER FARM.				PER CENT OF FARM LAND IM- PROVED.		AVERAGE VALUE OF LAND AND BUILDINGS.			
	All land.		Improved land.				Per farm.		Per acre.	
	1920	1910	1920	1910	1920	1910	1920	1910	1920	1910
Total.....	126.9	120.1	34.2	34.3	27.0	28.6	\$4,385	\$3,176	\$34.56	\$26.44
Owners.....	123.4	116.9	33.5	33.9	27.2	29.0	4,059	3,040	32.89	26.00
Managers.....	252.7	307.8	61.9	62.8	21.9	20.4	17,127	9,988	60.68	32.28
Tenants.....	111.5	93.8	33.1	30.4	29.7	32.4	3,733	2,500	33.49	26.66

# FARMS BY SEX, RACE, AND NATIVITY OF FARMER.

TABLE 15.—NUMBER, ACREAGE, AND VALUE OF FARMS, CLASSIFIED BY SEX AND TENURE OF FARMER: 1920.

SEX AND TENURE.	Number of farms.	All land in farms (acres).	Improved land in farms (acres).	Value of land and buildings.	AVERAGE PER FARM.		
					All land (acres).	Improved land (acres).	Value of land and buildings.
Total.....	20,523	2,603,806	702,902	\$89,985,870	126.9	34.2	\$4,385
Male.....	19,091	2,463,555	656,499	\$84,811,888	129.0	34.4	4,443
Female.....	1,432	140,251	46,403	5,183,982	97.9	32.4	3,620
Owners.....	18,604	2,296,383	623,673	75,518,677	123.4	33.5	4,059
Male.....	17,214	2,180,813	578,398	70,473,755	125.5	33.6	4,094
Female.....	1,390	135,570	45,275	5,044,922	97.5	32.6	3,629
Managers.....	546	154,358	33,821	9,351,273	282.7	61.9	17,127
Male.....	533	153,318	33,457	9,290,673	287.7	62.8	17,442
Female.....	13	1,040	364	54,600	80.0	28.0	4,200
Tenants.....	1,373	153,065	45,408	5,125,920	111.5	33.1	3,733
Male.....	1,344	149,424	44,644	5,041,460	111.2	33.2	3,751
Female.....	29	3,641	764	84,460	125.6	26.3	2,912

TABLE 16.—NUMBER, ACREAGE, AND VALUE OF FARMS, CLASSIFIED BY NATIVITY OF WHITE FARMERS AND BY RACE OF COLORED FARMERS: 1920 AND 1910.

COLOR AND NATIVITY OR RACE.	NUMBER OF FARMS.		LAND IN FARMS, 1920 (ACRES).		Value of land and buildings, 1920
	1920	1910	Total.	Im-proved.	
All farmers.....	20,523	27,053	2,603,806	702,902	\$89,985,870
White farmers.....	20,509	27,038	2,602,330	702,387	89,966,470
Native.....	17,890	24,347	2,336,254	621,913	79,919,335
Foreign-born.....	2,619	2,691	266,076	80,474	10,047,135
Country of birth:					
Canada.....	1,514	1,697	156,841	51,176	5,209,780
England.....	210	236	19,269	5,610	878,702
Scotland.....	84	92	10,369	2,689	753,155
Ireland.....	124	263	12,587	3,645	634,665
Germany.....	74	90	6,310	1,742	218,100
Sweden.....	111	88	8,206	2,538	329,850
Other countries.....	502	225	52,494	13,074	2,022,983
Colored farmers.....	14	15	1,476	515	29,400
Negro.....	14	14	1,476	515	29,400
Indian.....		1			

<sup>1</sup> Includes farmers with country of birth not reported, as follows: For 1920, 615; for 1910, 64.

TABLE 17.—NUMBER OF FARMERS, CLASSIFIED BY TENURE, COLOR, AND NATIVITY: 1920 AND 1910.

TENURE.	ALL FARMERS.		NATIVE WHITE. <sup>1</sup>		FOREIGN-BORN WHITE.		COLORED.	
	1920	1910	1920	1910	1920	1910	1920	1910
Total.....	20,523	27,053	17,890	24,347	2,619	2,691	14	15
Owners.....	18,604	24,403	16,225	22,143	2,367	2,338	12	12
Managers.....	546	681	472	592	73	88	1	1
Tenants.....	1,373	1,879	1,193	1,612	179	265	1	2

<sup>1</sup> Includes farmers with country of birth not reported.

## FARM MORTGAGES.

TABLE 18.—MORTGAGED FARMS: 1920 AND 1910.

[Owned farms only; includes all farms owned in whole or in part by the operator.]

CLASS.	NUMBER OF OWNED FARMS.		INCREASE. <sup>1</sup>		PER CENT OF TOTAL.	
	1920	1910	Number.	Per cent.	1920	1910
Total.....	18,604	24,493	-5,889	-24.0	100.0	100.0
Free from mortgage.....	11,992	18,119	-6,127	-33.8	64.5	74.0
Mortgaged.....	5,389	6,234	-845	-13.6	29.0	25.5
Unknown.....	1,223	140	1,083	773.6	6.6	0.6

<sup>1</sup> A minus sign (—) denotes decrease. The comparative figures shown for farms free from mortgage and mortgaged are affected somewhat by the fact that more farms were tabulated as "unknown" in 1920 than in 1910.

TABLE 19.—MORTGAGED FARMS (OR FARM HOMES): 1890 TO 1920.

CLASS.	OWNED FARMS.		OWNED FARM HOMES.		PER CENT OF TOTAL.			
	1920	1910	1900	1890	1920	1910	1900	1890
Total.....	18,604	24,493	25,370	25,969	100.0	100.0	100.0	100.0
Free from mortgage.....	11,992	18,119	18,388	20,310	64.5	74.0	72.5	78.2
Mortgaged.....	5,389	6,234	6,279	5,659	29.0	25.5	24.7	21.8
Unknown.....	1,223	140	703	34.4	6.6	0.6	2.8	.....

TABLE 20.—MORTGAGE DEBT: 1920 AND 1910.

ITEM.	OWNED FARMS MORTGAGED. <sup>1</sup>		INCREASE. <sup>2</sup>	
	1920	1910	Amount.	Per cent.
Number of farms reporting amount of debt.....	4,951	5,666	-715	-12.6
Value of land and buildings.....	\$20,274,025	\$15,457,040	\$4,816,985	31.2
Amount of mortgage debt.....	\$6,820,551	\$4,773,610	\$2,046,941	42.9
Ratio of debt to value, per cent.....	33.6	30.9	.....	.....
Average rate of interest paid, per cent.....	5.1	.....	.....	.....
Average value per farm.....	\$4,095	\$2,728	\$1,367	50.1
Average debt per farm.....	\$1,378	\$842	\$536	63.7
Average equity per farm.....	\$2,717	\$1,886	\$831	44.1

<sup>1</sup> Includes only farms consisting wholly of owned land and reporting amount of debt. In considering the comparative figures, it should be borne in mind that the mortgage debt may have been more completely reported at one census than at the other.

<sup>2</sup> A minus sign (—) denotes decrease.

## FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED.

TABLE 21.—FARMS REPORTING EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919 AND 1909.

ITEM.	NUMBER OF FARMS REPORTING.		INCREASE. <sup>1</sup>		PER CENT OF ALL FARMS.	
	1919	1909	Number.	Per cent.	1919	1909
Labor.....	11,365	17,385	-6,020	-34.6	55.4	64.3
Fertilizer.....	8,799	15,351	-6,552	-42.7	42.9	56.7
Feed.....	18,015	21,983	-3,968	-18.1	87.8	81.3

<sup>1</sup> A minus sign (—) denotes decrease.

TABLE 22.—AMOUNT OF EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919 AND 1909.

ITEM.	AMOUNT EXPENDED.		INCREASE.	
	1919	1909	Amount.	Per cent.
Labor, total.....	\$4,520,816	\$3,374,123	\$1,146,693	34.0
Amount in cash.....	3,665,259	2,690,006	975,253	36.3
Value of rent and board furnished.....	\$85,557	\$64,120	\$21,437	25.1
Fertilizer.....	\$28,189	\$12,580	\$15,609	124.8
Feed.....	\$8,725,716	\$4,014,938	\$4,710,778	114.8

## LIVE STOCK ON FARMS AND ELSEWHERE.

(DOMESTIC ANIMALS, POULTRY, AND BEES.)

Domestic animals: 1920 and 1910.—The census of 1920 was taken as of January 1 and that of 1910 as of April 15. Since a great many domestic animals are born during the period between January 1 and April 15 and, on the other hand, a considerable number of older animals are slaughtered or die during the same period, the numbers of the different classes of animals for the two censuses are not fully comparable.

In addition to the change in the date of enumeration there have been certain changes in the age and sex classifications. The 1910 figures presented in the following tables are therefore restricted to those classes of domestic animals which are least affected by these changes and for which the figures are fairly comparable with the 1920 returns.

Dairy cows: 1920 and 1910.—In 1910 the census called for "cows and heifers kept for milk" and "cows and heifers *not* kept for milk." The instructions read: "Report as cows kept for milk those whose milk is used in some form for human food. Cows milked for three months during the year should be reported as *kept for milk*, although a part of the year they run with their calves."

In 1920 the census called for "dairy cattle" and "beef cattle." Dairy cattle were defined as those "kept mainly for milk production," and the following instructions were given the enumerators: "Classify all cattle as beef cattle or as dairy cattle, according to the principal purpose for which they are kept." It is believed that under this rule the fully established dairy and beef breeds have been properly reported, with few errors, and that cattle of the dual-purpose breeds or of no definite breeding have been placed in one class or the other, according to the principal purpose for which they are kept.

In states where cattle are raised extensively for beef production the result of this new classification will be to reduce materially the proportion of cows classified as dairy cows, and even in states having few strictly beef cattle the 1920 classification may be expected to give a somewhat smaller proportion of dairy cows than the 1910 classification.

In New Hampshire, however, notwithstanding this change of classification, the number of dairy cows, including heifers 1 year old and over, reported for January 1, 1920, namely, 119,203, shows an increase of 17,925, or 17.7 per cent, as compared with 101,278 cows reported as "kept for milk" on April 15, 1910, thus indicating a decided trend toward the dairy in-

dustry. On the other hand, the 5,055 beef cows reported in 1920 represent a decrease of 11,120, or 68.7 per cent, as compared with 16,175 cows reported in 1910 as "not kept for milk."

Farms reporting domestic animals: 1910.—Horses were reported by 20,960 farms in New Hampshire in 1910, mules by 104 farms, cattle by 20,496, sheep by 2,236, and swine by 10,567. In comparing these figures with the 1920 figures given in the table below, due allowance should be made for the fact that the total number of farms in New Hampshire decreased from 27,053 in 1910 to 20,523 in 1920.

TABLE 23.—DOMESTIC ANIMALS ON FARMS: 1920.

CLASS.	FARMS REPORTING.		ANIMALS.		
	Num-ber.	Per cent of all farms.	Num-ber.	Value.	Aver- age value.
<b>Total.....</b>	<b>18,404</b>	<b>89.7</b>		<b>\$17,799,036</b>	
<b>Horses, total.....</b>	<b>16,673</b>	<b>81.2</b>	<b>38,194</b>	<b>5,218,893</b>	<b>\$136.64</b>
Colts under 1 year of age.....	577	2.9	851	78,364	92.08
Colts 1 year old and under 2 years.....	542	2.6	649	63,428	97.73
Mares 2 years old and over.....	8,251	40.3	13,492	1,835,208	136.02
Geldings 2 years old and over.....	12,914	62.9	22,804	3,186,442	137.00
Stallions 2 years old and over.....	281	1.1	308	105,451	342.37
<b>Mules, total.....</b>	<b>127</b>	<b>0.6</b>	<b>248</b>	<b>34,694</b>	<b>139.90</b>
Mule colts under 1 year of age.....	2	( <sup>1</sup> )	3	300	100.00
Mule colts 1 year old and under 2 years.....	13	0.1	18	1,905	109.17
Mules 2 years old and over.....	115	0.6	227	32,429	142.86
<b>Asses and burros.....</b>	<b>22</b>	<b>0.1</b>	<b>28</b>	<b>1,026</b>	<b>39.46</b>
<b>Cattle, total.....</b>	<b>16,776</b>	<b>81.7</b>	<b>163,653</b>	<b>11,317,213</b>	<b>69.15</b>
<b>Beef cattle, total.....</b>	<b>3,433</b>	<b>16.7</b>	<b>18,277</b>	<b>1,269,067</b>	<b>69.44</b>
Calves under 1 year of age.....	1,029	5.0	3,019	109,348	36.22
Heifers 1 year old and under 2 years.....	538	2.6	1,424	70,465	49.48
Cows and heifers 2 years old and over.....	834	4.1	3,631	306,104	84.30
Steers 1 year old and under 2 years.....	1,174	5.7	3,337	165,301	49.54
Steers 2 years old and over.....	1,688	8.2	6,270	590,911	89.46
Bulls 1 year old and over.....	477	2.3	590	56,938	95.53
<b>Dairy cattle, total.....</b>	<b>18,269</b>	<b>79.3</b>	<b>145,376</b>	<b>10,048,146</b>	<b>69.12</b>
Calves under 1 year of age.....	8,192	39.9	22,482	606,281	26.97
Heifers 1 year old and under 2 years.....	8,187	39.9	23,206	1,038,547	44.75
Cows and heifers 2 years old and over.....	15,925	77.0	95,997	8,043,914	83.79
Bulls 1 year old and over.....	3,102	15.1	3,691	359,404	97.37
<b>Sheep, total.....</b>	<b>1,644</b>	<b>8.0</b>	<b>28,021</b>	<b>312,490</b>	<b>11.15</b>
Lambs under 1 year of age.....	1,056	5.1	6,291	58,136	9.24
Ewes 1 year old and over.....	1,453	7.1	20,257	230,384	11.37
Rams 1 year old and over.....	626	3.1	861	17,054	19.81
Wethers 1 year old and over.....	88	0.4	612	6,916	11.30
<b>Goats, total.....</b>	<b>85</b>	<b>0.4</b>	<b>3,674</b>	<b>23,699</b>	<b>6.63</b>
Kids under 1 year of age, raised for fleeces.....	18	0.1	3,082	18,366	5.96
Goats 1 year old and over, raised for fleeces.....	30	0.1	283	3,101	10.96
All other goats.....	41	0.2	209	2,232	10.88
<b>Swine, total.....</b>	<b>11,203</b>	<b>54.6</b>	<b>41,655</b>	<b>891,021</b>	<b>21.39</b>
Pigs under 6 months old.....	7,102	34.6	25,053	298,141	11.90
Sows and gilts for breeding, 6 months old and over.....	2,601	12.7	5,765	228,255	39.59
Bears for breeding, 6 months old and over.....	625	3.0	754	34,015	45.11
All other hogs, 6 months old and over.....	4,535	22.1	10,083	330,610	32.79

<sup>1</sup> Less than one-tenth of 1 per cent.

TABLE 24.—POULTRY AND BEES ON FARMS: 1920 AND 1910.

ITEM.	FARMS REPORT- ING, 1920.		NUMBER REPORTED. <sup>1</sup>		Value, 1920	Average value, 1920
	Num- ber.	Per cent of all farms.	1920 (Jan. 1)	1910 (Apr. 15)		
Poultry, total.....	18,566	80.7	782,775	924,859	\$1,334,836	\$1.71
Chickens.....	10,359	79.7	771,233	903,413	1,305,602	1.69
Turkeys.....	499	2.4	2,363	1,940	13,260	5.61
Ducks.....	633	3.1	3,214	3,572	5,935	1.85
Geese.....	374	1.8	1,349	1,438	4,875	3.61
Guinea fowls.....	363	1.8	1,512	4,394	1,779	1.18
Pigeons.....	127	0.6	3,104	10,092	3,385	1.09
Hives of bees.....	806	3.9	4,131	4,644	27,051	6.45

<sup>1</sup> The numbers of the different classes of poultry are not strictly comparable for the two censuses, since a considerable number of fowls are killed between Jan. 1 and Apr. 15.  
<sup>2</sup> Includes a small number of peafowls.

TABLE 25.—SELECTED CLASSES OF DOMESTIC ANIMALS ON FARMS: 1920 AND 1910.

CLASS.	NUMBER.		INCREASE. <sup>1</sup>	
	1920 (Jan. 1)	1910 (Apr. 15)	Num- ber.	Per cent.
<b>Horses:</b>				
Total, excluding spring colts reported for 1910.....	38,194	46,154	-7,960	-17.2
Colts under 1 year old on Jan. 1 of census year.....	851	1,081	-230	-21.3
Horses 1 year old and over on Jan. 1 of census year.....	37,343	45,073	-7,730	-17.1
<b>Mules:</b>				
Total, excluding spring colts reported for 1910.....	248	192	56	29.2
Mule colts under 1 year old on Jan. 1 of census year.....	3	7	-4	.....
Mules 1 year old and over on Jan. 1 of census year.....	245	185	60	32.4
<b>Cattle:</b>				
Total, excluding spring calves reported for 1910.....	163,653	149,228	14,425	9.7
Calves under 1 year old on Jan. 1 of census year.....	25,501	22,788	2,713	11.9
Cows and heifers 1 year old and over on Jan. 1 of census year.....	124,258	117,453	6,805	5.8
Steers and bulls 1 year old and over on Jan. 1 of census year.....	13,894	8,987	4,907	54.6
<b>Sheep:</b>				
Total, excluding spring lambs reported for 1910.....	28,021	31,201	-3,180	-10.2

<sup>1</sup> A minus sign (-) denotes decrease. Per cent not shown when base is less than 100.

TABLE 26.—DOMESTIC ANIMALS NOT ON FARMS: 1920 AND 1910.

CLASS.	INCLOSURES REPORTING.		ANIMALS.			
	1920 (Jan.1)	1910 (Apr.15)	Number.		Num- ber.	Per cent.
			1920 (Jan.1)	1910 (Apr. 15)		
Total.....	10,962	10,318	.....	.....	.....	.....
Horses.....	7,631	8,840	14,722	18,101	-3,379	-18.7
Horses 1 year old and over on Jan. 1 of census year.....	.....	.....	14,678	17,966	-3,288	-18.3
Mules.....	42	21	74	45	29	.....
Mules 1 year old and over on Jan. 1 of census year.....	.....	.....	71	44	27	.....
Asses and burros.....	15	5	15	5	10	.....
Cattle.....	4,667	2,793	9,210	4,473	4,737	105.9
Cattle 1 year old and over on Jan. 1 of census year.....	.....	.....	8,285	3,962	4,323	109.1
Sheep.....	98	49	477	345	132	38.3
Goats.....	65	34	116	59	57	.....
Swine.....	4,086	1,480	9,636	4,012	5,624	140.2

<sup>1</sup> A minus sign (-) denotes decrease. Per cent not shown when base is less than 100.

TABLE 27.—TOTAL NUMBER OF DOMESTIC ANIMALS: 1920.

CLASS.	Total.	On farms.	Not on farms.
Horses.....	52,916	38,194	14,722
Horses 2 years old and over.....	51,240	36,694	14,546
Mules.....	322	248	74
Mules 2 years old and over.....	295	227	68
Asses and burros.....	41	26	15
Cattle.....	172,863	163,653	9,210
Beef cattle.....	19,005	18,277	728
Dairy cattle.....	153,858	145,376	8,482
Dairy cows.....	102,366	95,997	6,369
Sheep.....	28,498	28,021	477
Goats.....	3,690	3,574	116
Swine.....	51,291	41,655	9,636

### LIVE-STOCK PRODUCTS.

Farm value of live-stock products: 1919 and 1909.—

The Thirteenth Census schedule called for the total value as well as the total quantity of all live-stock products, whether sold or consumed on the farm. The 1909 values are therefore based directly on the reported figures. But in the Fourteenth Census schedule the question as to value in the case of dairy products, eggs, and chickens was restricted to the amounts sold. The 1919 value of butter made on farms has been computed on the basis of the average value received per pound for butter sold; the values of eggs produced and chickens raised have been computed in a similar way. The values of cheese made on farms and of honey and wax produced have been computed on the basis of average values per pound secured through the Bureau of Crop Estimates of the Department of Agriculture. The method of obtaining these average values was the same as that used for securing average values for the important crops, which is described in a later paragraph.

Dairy products.—It is difficult to secure reports of the total quantity of milk produced during a given year, especially from farmers who keep cows chiefly to supply milk and butter for family use. Since such farmers usually keep no records, they are able to make only rough estimates of the milk production and frequently underestimate the quantity of milk produced for home use. Many farmers, too, either because they are unwilling to make any estimates or for other reasons, fail to report their milk production, even though they report butter or other dairy products as well as dairy cows.

For several decades past the Bureau of the Census has made estimates for such incomplete reports, where the farmer reported "cows kept for milk" but failed to report the amount of milk produced, these estimates being based on the average production per cow as shown by the complete reports. Since farmers with first-class dairy herds and up-to-date methods are more likely to make complete reports than those with

cows of a lower grade, the estimates obtained in this way have probably been somewhat above the actual production. With the new basis of classification for dairy cows in use for 1920, however, as already noted, the estimates should be more satisfactory than heretofore, since milk will be estimated only for cows kept mainly for milk production.

In the table which follows, both the actual reported quantity of milk produced and the estimated total are given. The latter includes, in addition to the milk reported, an estimate of the amount of milk produced on farms which reported dairy cows but failed to report any milk. A certain quantity of milk, on the other hand, was reported from farms which reported no dairy cows. This is included in the total and may represent either milk produced by beef cows milked a part of the year on farms having no dairy cows or milk produced on farms which kept dairy cows some time during the year 1919 but had none on January 1, 1920.

TABLE 28.—DAIRY COWS ON FARMS, 1920; AND DAIRY PRODUCTS, 1919 AND 1909.

ITEM.	FARMS REPORTING.		Number or quantity.	Unit.	Value.
	Number.	Per cent of all farms.			
Dairy cows on farms Jan. 1, 1920, total.....	15,925	77.6	95,997	Head	
On farms reporting milk produced.....	13,291	64.6	81,778	Head	
On farms not reporting milk produced.....	2,674	13.0	14,219	Head	
Average production of milk per dairy cow, 1919 <sup>1</sup> .....			429	Gals.	
Specified dairy products:					
Milk, as reported..... 1919.....			36,456,334	Gals.	
..... 1909.....			35,921,132	Gals.	
Increase, 1909-1919.....			1,425,161	Gals.	
Per cent of increase.....			4.1		
Total production of milk, including estimates..... 1919.....			42,556,285	Gals.	
Butter made..... 1919.....	8,995	43.8	3,240,268	Lbs.	\$1,975,330
..... 1909.....	11,673	49.1	5,063,188	Lbs.	\$1,539,708
Cheese made..... 1919.....	124	0.6	82,469	Lbs.	\$12,329
..... 1909.....	206	0.8	180,996	Lbs.	\$24,456
Milk sold..... 1919.....	7,738	37.7	33,043,256	Gals.	\$7,999,958
..... 1909.....	7,735	38.6	31,132,598	Gals.	\$8,613,676
Cream sold..... 1919.....	966	4.6	364,643	Gals.	\$408,436
..... 1909.....	961	3.6	369,944	Gals.	\$273,714
Butter fat sold..... 1919.....	706	3.4	758,762	Lbs.	\$438,867
..... 1909.....	493	1.8	566,329	Lbs.	\$168,159
Butter sold..... 1919.....	5,683	27.7	2,272,752	Lbs.	\$1,390,667
..... 1909.....	7,716	28.5	3,310,569	Lbs.	\$1,032,226
Value of milk, cream, and butter fat sold, and of butter and cheese made <sup>2</sup> , 1919.....					\$10,224,838
..... 1909.....					\$8,249,711
Increase, 1909-1919.....					\$4,635,177
Per cent of increase.....					56.9
Receipts from sale of dairy products <sup>3</sup> ..... 1919.....					\$9,427,366
..... 1909.....					\$8,130,667
Increase, 1909-1919.....					\$4,497,229
Per cent of increase.....					57.7

<sup>1</sup> Based on the 1919 milk production as reported for dairy cows, and the number of dairy cows on hand Jan. 1, 1920.

<sup>2</sup> This item represents the total farm value of dairy products, excluding milk and cream consumed as such on the farm where produced.

<sup>3</sup> Figures for 1919 do not include "cheese sold," as that item was not reported for 1919. The value of cheese sold in 1909 was \$22,262.

TABLE 29.—SHEEP ON FARMS, 1920 AND 1910; GOATS ON FARMS, 1920; AND WOOL AND MOHAIR PRODUCED, 1919 AND 1909.

ITEM.	Farms reporting.	Number of sheep (or goats) on hand.	WOOL (OR MOHAIR) PRODUCED.		
			Number of animals shorn.	Weight (pounds).	Value.
Sheep on farms Jan. 1, 1920, total.....	1,644	28,021			
On farms reporting wool.....	1,208	23,839			
On farms not reporting wool.....	436	4,182			
Sheep of shearing age <sup>1</sup> on farms Apr. 15, 1910.....	2,167	31,201			
Wool produced, as reported, total..... 1919.....	1,274		22,182	142,110	\$94,241
On farms reporting sheep.....	1,208		21,367	137,618	\$81,678
On farms not reporting sheep.....	66		815	4,492	\$2,563
Total production of wool, including estimates..... 1919.....				161,681	\$95,392
..... 1909.....				209,518	\$57,460
Increase, 1909-1919 <sup>2</sup> .....				-47,837	\$37,932
Per cent of increase <sup>2</sup> .....				-22.8	66.0
Goats raised for fleeces, on farms Jan. 1, 1920.....	39	3,365			
Mohair produced, as reported, total..... 1919.....	12		84	452	\$299
..... 1909.....	22			629	\$191

<sup>1</sup> Sheep born before Jan. 1, 1910.

<sup>2</sup> A minus sign (—) denotes decrease.

TABLE 30.—CHICKENS (OR FOWLS) ON FARMS, 1920 AND 1910; AND POULTRY PRODUCTS, 1919 AND 1909.

(The products shown for 1919 include chicken eggs and chickens only, while the 1909 figures include the products of all kinds of poultry.)

ITEM.	FARMS REPORTING.		Number or quantity.	Value.
	Number.	Per cent of all farms.		
Chickens on farms Jan. 1, 1920, total.....	16,359	79.7	Number.	
On farms reporting eggs produced.....	14,089	68.6	771,233	
On farms reporting chickens raised.....	10,268	50.0	701,647	
Fowls on farms Apr. 15, 1910.....	20,966	77.5	588,877	
Eggs produced, as reported..... 1919.....	14,261	69.5	Dozens.	
Total production of eggs, including estimates..... 1919.....			4,584,904	\$2,591,266
..... 1909.....			5,005,302	2,853,022
Eggs sold, as reported..... 1919.....	11,069	53.9	7,499,470	2,043,338
..... 1909.....	16,763	58.3	3,299,639	1,865,739
Chickens raised, as reported..... 1919.....	10,410	50.7	4,948,014	1,373,432
Total chickens raised, including estimates..... 1919.....			Number.	
..... 1909.....			902,877	1,146,395
Chickens sold, as reported..... 1919.....	6,548	31.9	1,172,274	1,488,788
..... 1909.....	11,420	42.2	1,394,654	879,014

TABLE 31.—BEES ON FARMS, 1920 AND 1910; AND HONEY AND WAX PRODUCED, 1919 AND 1909.

ITEM.	Farms reporting.	Hives of bees.	PRODUCT.	
			Quantity (pounds).	Value.
Bees on farms Jan. 1, 1920, total.....	806	4,191		
On farms reporting honey.....	467	2,787		
On farms not reporting honey.....	339	1,404		
Bees on farms Apr. 15, 1910.....	1,002	4,644		
Honey produced..... 1919.....	472		49,512	\$18,815
..... 1909.....	658		65,038	13,363
Wax produced..... 1919.....			386	164
..... 1909.....			792	280

CROPS.

**Summary: 1919 and 1909.**—This section summarizes the census data relative to all of the farm crops of 1919 and 1909, except that it does not include nursery or greenhouse products or forest products of farms.

In comparing one year with another it should be borne in mind that the acreage of crops (or the number of fruit trees) and the number of farms reporting are on the whole a better index of the general changes or tendencies in agriculture than either the quantity or the value of the crops, since variations in quantity

may be due mainly to favorable or unfavorable seasons, and variations in the value of the crops may result largely from changes in prices.

The combined acreage of crops harvested in New Hampshire in 1919 for which the acreage was reported was 508,168, which represents 72.3 per cent of the total improved land in farms (702,902 acres). The total crop acreage reported for 1909 was 592,976, or 63.8 per cent of the improved land in farms (929,185 acres). Most of the remaining improved land consisted of improved pasture, land lying fallow, house and farm yards, and land occupied by orchards and vineyards, the acreage of which was not reported.

TABLE 32.—SUMMARY FOR ALL CROPS: 1919 AND 1909.

CROP.	FARMS REPORTING.				ACRES HARVESTED.			PRODUCTION.							
	Number.		Per cent of all farms.		1919	1909	Per cent of increase. <sup>1</sup>	Quantity.				Value.			
	1919	1909	1919	1909				Unit.	1919	1909	Per cent of increase. <sup>1</sup>	1919	1909	Per cent of increase. <sup>1</sup>	
All crops.....					508,168	592,976	-14.3						\$23,509,665	\$12,112,280	94.1
With acreage reports.....													18,797,763	11,193,657	67.9
With no acreage reports.....													4,711,902	918,603	412.9
Cereals, total <sup>2</sup> .....					28,821	32,928	-12.5	Bu.....	1,036,401	1,355,965	-23.6	1,456,628	879,631	65.6	
Corn.....	5,559	10,137	27.1	37.5	10,433	19,814	-47.3	Bu.....	482,738	916,263	-47.3	844,793	621,306	36.0	
Oats.....	3,768	3,141	18.3	11.6	14,088	10,890	35.2	Bu.....	485,367	896,419	25.6	455,367	216,968	123.7	
Wheat.....	912	62	4.4	0.2	1,366	70		Bu.....	21,968	1,311		50,526	1,406		
Barley.....	481	416	2.3	1.5	887	848	4.6	Bu.....	22,036	20,764	6.1	33,057	17,292	91.2	
Buckwheat.....	424	740	2.1	2.7	681	1,052	-40.0	Bu.....	10,940	26,812	-58.4	20,786	17,842	16.5	
Rye.....	210	176	1.0	0.7	627	260	141.2	Bu.....	6,760	4,534	49.1	12,844	4,680	174.4	
Mixed crops <sup>3</sup> .....	49		0.2		182			Bu.....	6,434			9,008			
Other grains and seeds with acreage reports, total <sup>4</sup> .....					2,365	3,306	-28.5	Bu.....	19,808	23,646	-16.2	120,099	64,832	85.2	
Dry edible beans.....	3,703	5,523	18.0	20.4	2,198	3,180	-30.9	Bu.....	18,488	22,546	-18.0	114,626	62,783	82.6	
Soy beans.....	137		0.7		112			Bu.....	801			2,723			
Dry peas.....	82	234	0.4	0.9	53	122	-56.6	Bu.....	472	934	-49.5	2,549	1,955	30.4	
Seeds with no acreage reports, total <sup>5</sup> .....								Bu.....	189	142	33.1	2,164	1,875	15.4	
Red clover seed.....	7		( <sup>6</sup> )					Bu.....	19			589			
Other clover and alfalfa seed.....	7		( <sup>6</sup> )					Bu.....	19	30		570	275	321.5	
Timothy seed.....	7	29	( <sup>6</sup> )	0.1				Bu.....	22	84		167	219	-23.7	
Other grass seed.....	11		0.1					Bu.....	127	22		826	47		
Hay and forage, total <sup>7</sup> .....	19,524	25,712	95.1	95.0	465,303	529,820		Tons.....	606,713	582,579		13,616,378	7,847,148		
All tame or cultivated grasses.....					426,345	482,858	-11.7	Tons.....	448,054	430,779	4.0	11,729,604	6,854,219	71.1	
Timothy alone.....	3,893	5,799	19.0	21.4	63,929	84,155	-24.0	Tons.....	77,542	83,412	-7.0	2,287,491	1,441,229	58.7	
Timothy and clover mixed.....	10,026	12,100	48.9	44.7	197,567	210,196	-6.0	Tons.....	224,332	203,106	10.5	6,056,964	3,264,686	85.5	
Clover alone.....	947	548	1.7	2.0	2,819	2,420	16.5	Tons.....	3,719	3,292	13.0	100,413	49,201	104.1	
Alfalfa.....	105	41	0.5	0.2	379	47		Tons.....	707	97		24,394	1,387		
Other tame grasses <sup>8</sup> .....	8,700		42.4		161,651	186,040	-13.1	Tons.....	141,754	140,872	0.6	3,260,342	2,097,716	55.4	
Wild, salt, or prairie grasses.....	1,294	2,495	6.3	9.2	10,605	21,536	-50.8	Tons.....	10,131	18,106	-44.0	162,096	180,510	-10.2	
Small grains cut for hay.....	4,343		21.2		11,138			Tons.....	20,938			460,636			
Annual legumes cut for hay.....	175	6,036	0.9	22.3	1,371	12,702	-1.5	Tons.....	1,492	24,748	-0.4	35,808	276,900	79.3	
Silage crops.....	1,940		9.5		9,891			Tons.....	104,954			944,596			
Corn cut for forage <sup>9</sup> .....	2,281		11.1		5,426	12,700		Tons.....	18,755	108,453		225,080	530,260		
Kafir, sorghum, etc., for forage.....	40		0.2		115			Tons.....	272			3,536			
Root crops for forage.....	383		1.9		412	24		Tons.....	2,117	493	329.4	55,042	5,250	946.6	
Vegetables, total.....								Bu.....	1,341,978	2,360,241	-43.1	5,228,489	2,276,177	129.7	
Potatoes (Irish or white).....	16,152	21,899	78.7	80.9	13,334	17,370	-23.2	Bu.....				2,952,351	1,204,620	145.1	
Other vegetables <sup>10</sup> .....	2,258	22,230	11.0	82.2	2,592	8,855		Bu.....				427,487	1,071,551		
Farm garden <sup>11</sup> .....	17,799		86.7					Bu.....				1,848,651			
Miscellaneous crops, total <sup>12</sup> .....								Lbs.....	135,182	136,894	-1.3	480,804	200,845	139.4	
Tobacco.....	49	33	0.2	0.1	108	79		Lbs.....				40,554	18,404	120.4	
Maple sugar and sirup.....	3,146	3,518	15.3	13.0				Lbs.....				440,250	182,341	141.4	
Fruits, total.....								Qts.....	753,969	998,244	-24.5	2,605,103	841,752	209.5	
Small fruits.....	3,394		16.5		1,071	618	73.3	Qts.....				184,266	107,365	71.6	
Other fruits.....								Qts.....				2,420,837	734,387	229.6	

<sup>1</sup> A minus sign (-) denotes decrease. Per cent not shown when base is less than 100 or when per cent is more than 1,000.

<sup>2</sup> Excluding 5,426 acres reported for corn cut for forage, which is practically all duplicated in the acreage shown for corn harvested as grain.

<sup>3</sup> Includes small quantities of emmer and spelt, and kafir and milo.

<sup>4</sup> Principally oats and barley grown and harvested together.

<sup>5</sup> Includes small quantities of flaxseed and peanuts.

<sup>6</sup> Includes small quantities of millet seed (1919 and 1909) and of flower and vegetable seeds (value only, 1909). The entire acreage from which the grass and clover seeds were secured is believed to be included in the acreage given elsewhere for hay and forage.

<sup>7</sup> Less than one-tenth of 1 per cent.

<sup>8</sup> Corn cut for forage was not reported to any extent in 1909; hence no very close comparison between 1919 and 1909 can be made, either for the hay and forage totals or for the bracketed group in which corn cut for forage appears.

<sup>9</sup> Includes millet and Hungarian grass.

<sup>10</sup> The 1919 figures represent vegetables raised for sale only.

<sup>11</sup> In 1909 the value of the farm garden was largely included in the value of "other vegetables."

<sup>12</sup> The 1909 figures include the value of a small quantity of ginseng.

<sup>13</sup> Includes the value of a small quantity of nuts.



In addition to the crops regularly harvested, as shown in the tables, there were reported 103 acres of mature crops grazed or "hogged off" in 1919.

**Farm value of crops.**—At the census of 1920 the farm schedule called for the value of all farm property, including land, buildings, implements and machinery, and the different classes of live stock. It also called for mortgage indebtedness, certain classes of farm expenditures, and the value of live-stock products sold. To this extent the census of 1920 followed the procedure of 1910 and 1900.

In the case of farm crops, however, wherever a unit value could be used, such as the value per bushel or per ton, the farmer was asked to report the acreage and production of each crop but not the value. To supplement the information obtained from the farmers, the Bureau of Crop Estimates of the United States Department of Agriculture secured by special schedule from its crop reporters average values for such crops. These special schedules were tabulated by the Bureau of the Census, and the resulting averages, approved by the Bureau of Crop Estimates as representing a fair average of the farm value per unit, were used in computing most of the crop values presented in the accompanying tables.

For some products it was not possible to find any satisfactory unit on which to base a computation of the total value. Values were therefore obtained on the 1920 census schedule for vegetables, other than potatoes and sweet potatoes, and for the products of the farm garden.

TABLE 33.—ACREAGE OF IMPORTANT CROPS: 1870 TO 1919.

CROP.	1919	1909	1899	1889	1879
Corn.....	19,433	19,814	25,094	23,746	26,612
Oats.....	14,693	10,869	12,559	26,618	29,445
Wheat.....	1,366	79	271	2,027	11,248
Barley.....	357	848	1,596	4,294	3,461
Hay and forage.....	1465,395	529,820	615,042	653,722	674,449
Potatoes.....	13,334	17,379	19,422	22,095	28,778

<sup>1</sup> Includes 4,428 acres in corn cut for forage. This crop was not included to any extent in the hay and forage totals prior to 1919.

TABLE 34.—PERCENTAGES AND AVERAGES FOR IMPORTANT CROPS: 1919 AND 1909.

CROP.	PERCENT OF IMPROVED LAND OCCUPIED.		AVERAGE YIELD PER ACRE.				AVERAGE VALUE PER ACRE.	
	1919	1909	Unit.	1919	1909		1919	1909
Corn.....	1.5	2.1	Bu....	49.3	46.2		\$99.97	\$31.36
Oats.....	2.1	1.2	Bu....	23.0	35.6		33.05	19.98
Wheat.....	0.2	0.1	Bu....	16.1	13.7		55.99	23.99
Barley.....	0.1	0.1	Bu....	24.6	24.5		27.27	23.59
Hay and forage.....	66.2	57.6	Tons..	1.39	1.10		22.26	14.91
Potatoes.....	1.9	1.9	Bu....	190.6	125.0		221.42	69.35

<sup>1</sup> Less than one-tenth of 1 per cent.

TABLE 35.—VEGETABLES RAISED FOR SALE: 1919.  
[Vegetables other than potatoes and sweet potatoes.]

CROP.	FARMS REPORTING.		Acres harvested.	Value of product.
	Number.	Per cent of all farms.		
Total.....	2,258	11.0	2,592	\$427,487
Beans (green).....	533	2.6	195	22,673
Beets.....	137	0.7	25	7,475
Cabbages.....	617	3.0	225	60,155
Carrots.....	139	0.7	79	14,826
Corn (sweet).....	1,072	5.2	1,247	127,696
Cucumbers.....	441	2.1	76	16,459
Lettuce.....	141	0.7	26	6,885
Onions.....	273	1.3	77	18,922
Pars (green).....	535	2.6	114	20,499
Squashes.....	119	0.6	50	15,734
Tomatoes.....	515	2.5	134	49,149
Turnips.....	98	0.5	91	20,587
Other vegetables.....	.....	.....	.....	.....
Mixed vegetables.....	209	1.0	219	41,397

TABLE 36.—MAPLE SUGAR AND SIRUP: 1919 AND 1909.

PRODUCT.	FARMS REPORTING.		Trees tapped.	PRODUCTION.		
	Num-ber.	Per cent of all farms.		Quantity.	Unit.	Value.
Total.....1919..	3,146	15.3	648,761	.....	.....	\$440,250
.....1909..	3,518	13.0	792,147	.....	.....	182,341
Sugar made.....1919..	.....	.....	.....	329,723	Lbs..	113,701
.....1909..	1,437	5.3	.....	558,811	Lbs..	63,688
Sirup made.....1919..	.....	.....	.....	112,824	Gals..	321,549
.....1909..	3,003	11.1	.....	111,500	Gals..	118,653

TABLE 37.—SMALL FRUITS: 1919 AND 1909.

CROP.	FARMS REPORTING.		Acres harvested.	PRODUCTION.	
	Num-ber.	Per cent of all farms.		Quantity (quarts).	Value.
Total.....1919..	3,394	16.5	1,071	753,969	\$184,286
.....1909..	.....	.....	618	998,244	107,385
Strawberries.....1919..	2,197	10.7	366	489,774	117,545
.....1909..	1,594	6.9	310	638,057	68,552
Raspberries.....1919..	1,181	5.8	208	130,991	37,985
.....1909..	8	( <sup>1</sup> )	( <sup>2</sup> )	154	28
Loganberries.....1919..	657	2.4	85	86,558	11,821
Raspberries and loganberries.....1909..	800	3.9	141	90,666	20,854
Blackberries and dewberries.....1919..	522	1.9	67	75,913	7,793
.....1909..	367	1.8	142	18,140	3,628
Currents.....1919..	838	3.1	42	43,319	4,587
.....1909..	.....	.....	214	24,244	4,223
Other berries.....1919..	.....	.....	114	154,397	14,612
.....1909..	.....	.....	.....	.....	.....

<sup>1</sup> Less than one-tenth of 1 per cent.

<sup>2</sup> Less than 1 acre.

TABLE 38.—FRUIT TREES AND GRAPEVINES NOT OF BEARING AGE: 1920 AND 1910.

FRUIT.	FARMS REPORTING.				TREES OR VINES NOT OF BEARING AGE.	
	Number.		Per cent of all farms.		1920	1910
	1920	1910	1920	1910		
Orchard fruits, total <sup>1</sup> .....	5,224	.....	25.5	.....	271,268	271,153
Apples.....	4,328	5,311	21.1	19.6	227,933	207,289
Peaches.....	1,019	1,236	5.0	4.6	23,200	35,213
Pears.....	1,227	1,690	6.0	6.2	7,753	9,397
Fruits and prunes.....	1,126	1,647	5.5	6.1	6,454	12,562
Cherries.....	963	931	4.7	3.4	5,928	6,326
Grapes.....	553	506	2.7	1.9	2,843	3,016

<sup>1</sup> The 1910 figures include apricots and quinces. These fruits were not called for by the 1920 schedule.

TABLE 39.—ORCHARD FRUITS AND GRAPES: 1919 AND 1909.

FRUIT.	FARMS REPORTING TREES OR VINES OF BEARING AGE.				NUMBER OF TREES OR VINES OF BEARING AGE.		PRODUCTION.				
	Number.		Percent of all farms.		1920	1910	Quantity.			Value.	
	1920	1910	1920	1910			Unit.	1919	1909	1919	1909
Orchard fruits, total <sup>1</sup> .....	15,233	20,420	74.2	75.5	853,293	1,368,937	Bu....	1,431,241	1,165,044	\$2,403,675	\$718,777
Apples.....	14,065	20,420	72.9	75.5	721,130	1,240,885	Bu....	1,364,001	1,108,424	2,250,602	637,690
Peaches.....	2,358	2,724	11.7	10.1	81,287	67,671	Bu....	39,019	23,218	91,895	37,884
Pears.....	4,557	7,013	22.2	25.9	21,506	36,816	Bu....	17,274	24,224	31,957	25,206
Plums and prunes.....	3,315	3,714	16.2	13.7	18,335	23,152	Bu....	8,429	7,542	20,230	14,039
Cherries.....	2,114	2,217	10.3	8.2	11,035	9,463	Bu....	2,518	1,403	9,191	4,133
Grapes.....	2,740	3,184	13.4	11.8	12,998	15,802	Lbs....	214,514	375,164	17,162	10,926

<sup>1</sup> The figures for 1910 and 1909 include apricots, quinces, and mulberries. These fruits were not called for by the 1920 schedule.

## AGRICULTURE—NEW HAMPSHIRE.

COUNTY TABLE I.—FARMS AND FARM PROPERTY, 1920, WITH SELECTED ITEMS FOR 1910 AND 1900.

		THE STATE.	Belknap.	Carroll.	Cheshire.	Coos.
<b>ALL FARMS.</b>						
1	Number of farms, 1920	29,523	1,348	1,520	1,625	1,441
2	1910	27,653	1,774	2,003	2,330	1,761
3	1900	29,324	1,864	2,413	2,660	1,895
4	All farmers classified by sex, 1920:					
5	Male.....	19,091	1,252	1,409	1,507	1,378
6	Female.....	1,432	96	111	118	63
7	Color and nativity of all farmers, 1920:					
8	Native white.....	17,890	1,204	1,458	1,412	1,170
9	Foreign-born white.....	2,619	141	62	212	271
10	Negro and other nonwhite.....	14	3	1	1	1
11	All farms classified by size, 1920:					
12	Under 3 acres.....	113	7	11	8	12
13	3 to 9 acres.....	1,352	88	86	115	34
14	10 to 19 acres.....	1,432	85	88	113	58
15	20 to 49 acres.....	3,375	196	202	261	142
16	50 to 99 acres.....	4,888	371	395	375	290
17	100 to 174 acres.....	4,986	317	408	385	457
18	175 to 299 acres.....	2,320	154	158	198	233
19	300 to 499 acres.....	1,489	95	116	119	158
20	500 to 999 acres.....	433	29	44	38	30
21	1,000 acres and over.....	135	6	12	13	21
<b>LAND AND FARM AREA.</b>						
22	Approximate land area, 1920.....	5,779,840	254,080	611,200	465,920	1,150,720
23	Land in farms, 1920.....	2,603,806	169,327	207,253	221,298	237,309
24	1910.....	3,249,458	203,567	280,162	323,737	273,670
25	1900.....	3,609,864	206,049	364,007	368,883	329,066
26	Improved land in farms, 1920.....	762,902	39,377	45,431	53,678	90,530
27	1910.....	929,185	51,618	70,656	70,894	93,201
28	1900.....	1,076,879	60,278	72,797	95,978	124,786
29	Woodland in farms, 1920.....	1,299,838	76,013	137,062	121,570	105,108
30	Other unimproved land in farms, 1920.....	661,066	53,937	24,760	46,050	41,731
31	Per cent of land area in farms, 1920.....	45.0	66.6	33.9	47.5	20.6
32	Per cent of farm land improved, 1920.....	27.0	23.3	21.9	24.3	38.1
33	Average acreage per farm, 1920.....	126.9	125.6	136.4	136.2	164.7
34	Average improved acreage per farm, 1920.....	34.2	29.2	29.9	33.0	62.8
<b>VALUE OF FARM PROPERTY.</b>						
35	All farm property, 1920.....	118,656,115	7,627,135	8,852,836	11,007,486	9,656,155
36	1910.....	103,704,186	6,566,137	7,529,290	10,100,524	7,445,874
37	1900.....	85,842,096	4,872,861	5,876,217	8,507,945	6,107,162
38	Land in farms, 1920.....	47,425,381	3,018,475	4,427,398	4,588,333	3,457,243
39	1910.....	44,519,047	3,003,107	3,222,935	4,798,788	2,897,805
40	1900.....	35,498,760	2,043,090	2,564,910	3,515,220	2,484,490
41	Farm buildings, 1920.....	42,570,539	2,761,095	2,820,190	4,054,209	3,224,027
42	1910.....	41,397,014	2,503,045	3,158,775	3,725,184	2,800,975
43	1900.....	34,625,600	1,916,360	2,318,760	3,489,710	2,180,300
44	Implements and machinery, 1920.....	9,499,322	629,746	557,350	835,795	842,454
45	1910.....	5,877,637	363,568	423,676	537,061	462,094
46	1900.....	5,163,090	310,640	319,090	491,290	393,380
47	Live stock on farms, 1920.....	19,160,923	1,217,819	1,047,900	1,529,149	2,132,431
48	1910.....	11,910,478	666,482	723,904	1,038,891	1,285,000
49	1900.....	10,554,646	602,771	673,457	1,011,725	1,048,992
50	Average values, 1920:					
51	All property per farm.....	5,782	5,658	5,824	6,774	6,701
52	Land and buildings per farm.....	4,385	4,288	4,768	5,318	4,637
53	Land alone per acre.....	18.21	17.83	21.36	20.73	14.56
<b>FARMS OPERATED BY OWNERS.</b>						
54	Number of farms, 1920.....	18,604	1,229	1,406	1,414	1,295
55	1910.....	24,483	1,669	1,844	2,082	1,669
56	1900.....	26,450	1,689	2,201	2,350	1,704
57	Per cent of all farms, 1920.....	60.6	91.2	92.5	87.0	89.9
58	Land in farms, 1920.....	2,296,383	148,555	184,378	184,237	207,800
59	Improved land in farms, 1920.....	623,673	34,622	41,707	44,947	78,934
60	Value of land and buildings, 1920.....	75,518,677	4,488,675	6,036,071	6,128,715	5,767,970
61	Degree of ownership, 1920:					
62	Farmers owning entire farm.....	17,836	1,191	1,346	1,323	1,248
63	Farmers hiring additional land.....	768	38	60	91	47
64	Color and nativity of owners, 1920:					
65	Native white owners.....	16,225	1,100	1,348	1,232	1,043
66	Foreign-born white owners.....	2,367	126	58	182	252
67	Negro and other nonwhite owners.....	12	3	1	1	1
<b>FARMS OPERATED BY MANAGERS.</b>						
68	Number of farms, 1920.....	546	46	56	73	26
69	1910.....	681	35	83	92	39
70	1900.....	689	45	69	75	43
71	Land in farms, 1920.....	154,358	13,103	15,350	23,008	8,405
72	Improved land in farms, 1920.....	33,821	2,701	2,322	4,047	3,239
73	Value of land and buildings, 1920.....	9,351,273	1,039,250	896,710	1,978,017	400,550
<b>FARMS OPERATED BY TENANTS.</b>						
74	Number of farms, 1920.....	1,379	73	58	138	120
75	1910.....	1,379	130	76	176	113
76	1900.....	2,185	130	143	235	148
77	Per cent of all farms, 1920.....	6.7	5.4	3.8	8.5	8.3
78	Land in farms, 1920.....	153,685	7,669	7,525	13,393	21,164
79	Improved land in farms, 1920.....	48,438	2,654	1,311	4,084	8,367
80	Value of land and buildings, 1920.....	5,125,920	269,645	314,205	535,210	512,750
81	Form of tenancy, 1920:					
82	Share tenants.....	120	3	1	16	23
83	Share-cash tenants.....	5	1	1	1	1
84	Cash tenants.....	1,073	52	37	121	79
85	Unspecified.....	175	17	19	1	18
86	Color and nativity of tenants, 1920:					
87	Native white tenants.....	1,193	65	56	118	101
88	Foreign-born white tenants.....	179	8	2	20	19
89	Negro and other nonwhite tenants.....	1	1	1	1	1



COUNTY TABLE I.—FARMS AND FARM PROPERTY, 1920, WITH SELECTED ITEMS FOR 1910 AND 1900—Continued.

	Grafton.	Hillsborough.	Merrimack.	Rockingham.	Strafford.	Sullivan.
<b>ALL FARMS.</b>						
Number of farms.. 1920.....	2,884	2,563	2,837	3,438	1,421	1,446
1910.....	3,818	3,558	3,836	4,342	1,831	1,800
1900.....	4,173	4,137	3,893	4,240	2,216	1,833
All farmers classified by sex, 1920:						
Male..... number.....	2,752	2,388	2,634	3,115	1,293	1,363
Female..... number.....	132	175	203	323	128	83
Color and nativity of all farmers, 1920:						
Native white..... number.....	2,539	2,086	2,565	2,960	1,248	1,248
Foreign-born white..... number.....	340	474	271	478	172	198
Negro and other nonwhite..... number.....	5	3	1	1	1	1
All farms classified by size, 1920:						
Under 3 acres..... number.....	9	25	16	13	7	5
3 to 9 acres..... number.....	102	177	189	410	90	61
10 to 19 acres..... number.....	132	209	166	375	121	85
20 to 49 acres..... number.....	306	441	464	878	297	188
50 to 99 acres..... number.....	548	655	679	862	306	317
100 to 174 acres..... number.....	883	574	699	561	272	430
175 to 259 acres..... number.....	478	247	321	200	141	190
260 to 499 acres..... number.....	826	159	221	103	62	130
500 to 999 acres..... number.....	50	59	61	30	30	28
1,000 acres and over..... number.....	20	17	21	6	5	14
<b>LAND AND FARM AREA.</b>						
Approximate land area, 1920..... acres.....	1,103,560	572,800	596,480	442,240	242,560	337,280
Land in farms.. 1920..... acres.....	462,416	306,991	367,600	273,361	151,989	206,202
1910..... acres.....	560,820	386,447	443,708	325,742	172,720	278,885
1900..... acres.....	619,988	454,214	476,794	331,450	197,089	262,324
Improved land in farms.. 1920..... acres.....	131,827	77,286	84,078	86,336	41,436	52,923
1910..... acres.....	171,999	117,447	123,636	113,573	53,895	62,266
1900..... acres.....	222,367	145,000	125,588	102,058	65,305	82,722
Woodland in farms, 1920..... acres.....	240,235	140,473	175,725	138,737	69,536	95,329
Other unimproved land in farms, 1920..... acres.....	90,354	89,232	107,797	48,288	40,967	57,950
Per cent of land area in farms, 1920.....	41.8	53.6	61.6	61.8	62.7	61.1
Per cent of farm land improved, 1920.....	28.5	25.2	22.9	31.6	27.3	25.7
Average acreage per farm, 1920.....	160.3	119.8	129.6	79.5	107.0	142.6
Average improved acreage per farm, 1920.....	45.7	30.2	29.6	25.1	28.2	36.6
<b>VALUE OF FARM PROPERTY.</b>						
All farm property.. 1920..... dollars..	17,127,538	16,133,932	15,059,555	18,580,244	7,001,351	7,609,883
1910..... dollars..	14,148,797	14,858,161	13,790,049	16,559,866	5,973,700	6,731,798
1900..... dollars..	11,622,610	13,360,728	11,089,953	13,853,561	6,023,622	4,527,437
Land in farms.. 1920..... dollars..	6,773,313	6,209,971	6,330,895	7,034,041	2,720,428	2,855,236
1910..... dollars..	5,781,382	6,241,659	6,269,300	6,831,970	2,481,446	2,990,655
1900..... dollars..	4,565,100	5,700,580	4,771,850	5,632,800	2,488,290	1,732,430
Farm buildings.. 1920..... dollars..	5,441,092	6,104,972	5,159,215	7,744,362	2,677,347	2,584,030
1910..... dollars..	5,413,560	6,176,583	5,276,044	7,370,329	2,443,529	2,519,990
1900..... dollars..	4,426,570	5,405,960	4,346,470	6,211,580	2,568,910	1,760,980
Implements and machinery.. 1920..... dollars..	1,517,952	1,331,916	1,216,501	1,390,056	527,440	650,112
1910..... dollars..	893,094	823,466	784,298	823,510	371,763	394,602
1900..... dollars..	797,980	761,180	657,020	772,390	348,730	311,390
Live stock on farms.. 1920..... dollars..	3,395,181	2,487,073	2,352,944	2,411,785	1,076,136	1,510,595
1910..... dollars..	2,060,761	1,616,453	1,460,407	1,625,057	676,972	826,551
1900..... dollars..	1,832,990	1,493,008	1,314,613	1,236,791	617,692	722,637
Average values, 1920:						
All property per farm..... dollars..	5,939	6,295	5,308	5,404	4,927	5,263
Land and buildings per farm..... dollars..	4,235	4,805	4,050	4,299	3,799	3,769
Land alone per acre..... dollars..	14.65	20.23	17.22	25.73	17.90	18.90
<b>FARMS OPERATED BY OWNERS.</b>						
Number of farms.. 1920.....	2,607	2,326	2,591	3,133	1,333	1,270
1910.....	3,430	3,211	3,502	3,912	1,721	1,593
1900.....	3,739	3,639	3,591	3,850	2,034	1,653
Per cent of all farms, 1920.....	90.4	90.8	91.3	91.1	93.8	87.8
Land in farms, 1920..... acres.....	412,368	262,740	327,891	248,557	140,785	179,042
Improved land in farms, 1920..... acres.....	118,156	67,515	75,474	78,130	38,006	46,092
Value of land and buildings, 1920..... dollars..	10,685,040	10,162,393	9,754,100	12,912,412	4,909,230	4,670,471
Degree of ownership, 1920:						
Farmers owning entire farm..... number.....	2,490	2,255	2,466	3,031	1,262	1,224
Farmers hiring additional land..... number.....	117	71	125	102	71	46
Color and nativity of owners, 1920:						
Native white owners..... number.....	2,299	1,893	2,338	2,704	1,167	1,101
Foreign-born white owners..... number.....	303	430	253	429	165	169
Negro and other nonwhite owners..... number.....	5	3	1	1	1	1
<b>FARMS OPERATED BY MANAGERS.</b>						
Number of farms.. 1920.....	72	87	72	69	17	28
1910.....	96	89	78	87	37	45
1900.....	107	98	71	94	53	34
Land in farms, 1920..... acres.....	20,687	30,391	21,594	9,607	4,944	6,709
Improved land in farms, 1920..... acres.....	5,197	5,596	4,311	2,912	1,704	1,191
Value of land and buildings, 1920..... dollars..	870,395	1,553,855	1,209,820	821,151	275,400	314,525
<b>FARMS OPERATED BY TENANTS.</b>						
Number of farms.. 1920.....	205	150	174	226	71	143
1910.....	292	258	256	343	73	162
1900.....	327	400	231	296	129	146
Per cent of all farms, 1920.....	7.1	5.9	6.1	6.9	5.0	10.2
Land in farms, 1920..... acres.....	29,431	13,890	13,115	15,197	6,260	29,451
Improved land in farms, 1920..... acres.....	8,474	4,178	4,293	5,294	1,726	5,640
Value of land and buildings, 1920..... dollars..	655,970	598,095	529,100	1,044,840	213,145	464,270
Form of tenancy, 1920:						
Share tenants..... number.....	20	7	12	18	3	17
Share-cash tenants..... number.....	1	1	1	1	1	1
Cash tenants..... number.....	175	131	132	175	58	113
Unspecified..... number.....	9	11	30	43	9	18
Color and nativity of tenants, 1920:						
Native white tenants..... number.....	181	121	161	200	65	125
Foreign-born white tenants..... number.....	24	29	12	36	6	23
Negro and other nonwhite tenants..... number.....	1	1	1	1	1	1

COUNTY TABLE II.—LIVE STOCK ON FARMS AND RANGES, 1920; AND LIVE-STOCK PRODUCTS, 1919.

		THE STATE.	Belknap.	Carroll.	Cheshire.	Coos.
<b>DOMESTIC ANIMALS: 1920.</b>						
1	Farms reporting domestic animals.....number	18,404	1,219	1,358	1,477	1,373
2	Value of all domestic animals.....dollars	17,799,096	1,139,754	974,615	1,423,692	2,086,379
3	<b>Horses:</b>					
4	Total number.....	38,194	2,292	2,404	3,103	4,919
5	Colts under 1 year of age.....	851	34	37	67	195
6	Colts 1 year old and under 2 years.....	949	33	43	49	140
7	Mares 2 years old and over.....	13,492	843	719	1,127	2,382
8	Geldings 2 years old and over.....	22,894	1,363	1,592	1,830	2,149
9	Stallions 2 years old and over.....	398	19	13	80	53
10	Total value.....dollars	5,218,893	373,272	352,249	398,570	706,866
11	<b>Mules:</b>					
12	Total number.....	248	23	6	25	37
13	Male colts under 1 year of age.....	3	1	1	1	3
14	Male colts 1 year old and under 2 years.....	18	3	6	21	34
15	Mules 2 years old and over.....	227	20	1	2	3
16	Total value.....dollars	24,694	2,520	1,300	3,800	4,794
17	<b>Asses and burros:</b>					
18	Total number.....	26	2	2	2	3
19	Total value.....dollars	1,026	45	120	88	88
20	<b>Cattle:</b>					
21	Total number.....	163,653	9,674	8,609	12,939	18,985
22	Total value.....dollars	11,317,212	664,462	556,955	888,041	1,270,122
23	<b>Beef cattle:</b>					
24	Total number.....	18,277	2,118	2,311	979	1,581
25	Calves under 1 year of age.....	3,019	408	424	187	347
26	Heifers 1 year old and under 2 years.....	1,424	165	143	70	147
27	Cows and heifers 2 years old and over.....	3,631	414	357	197	368
28	Steers 1 year old and under 2 years.....	3,337	352	542	172	283
29	Steers 2 years old and over.....	6,270	698	791	313	392
30	Bulls 1 year old and over.....	596	81	54	40	44
31	Total value.....dollars	1,299,067	149,174	176,579	69,673	92,396
32	<b>Dairy cattle:</b>					
33	Total number.....	145,376	7,556	6,298	11,960	17,404
34	Calves under 1 year of age.....	22,432	1,263	980	1,996	2,519
35	Heifers 1 year old and under 2 years.....	26,206	1,137	1,069	1,914	2,637
36	Cows and heifers 2 years old and over.....	96,737	5,005	4,123	7,762	11,013
37	Bulls 1 year old and over.....	8,601	151	126	288	435
38	Total value.....dollars	10,048,146	515,288	380,376	818,368	1,177,726
39	<b>Sheep:</b>					
40	Total number.....	23,021	2,885	987	2,574	4,107
41	Lambs under 1 year of age.....	6,291	684	195	542	538
42	Ewes 1 year old and over.....	20,257	2,014	723	1,926	3,424
43	Rams 1 year old and over.....	861	103	42	88	83
44	Wethers 1 year old and over.....	612	84	27	18	62
45	Total value.....dollars	212,490	39,416	12,374	29,970	50,050
46	<b>Goats:</b>					
47	Total number.....	3,574	29	12	3,219	19
48	Total value.....dollars	28,090	330	197	20,108	134
49	<b>Swine:</b>					
50	Total number.....	41,655	2,691	2,264	4,098	2,966
51	Pigs under 6 months old.....	25,033	1,720	1,260	2,481	1,814
52	Sows and gilts for breeding, 6 months old and over.....	8,765	280	329	605	402
53	Boars for breeding, 6 months old and over.....	754	54	41	57	52
54	All other hogs, 6 months old and over.....	10,093	637	634	955	698
55	Total value.....dollars	591,021	59,709	51,540	83,083	54,228
<b>POULTRY AND BEES: 1920.</b>						
56	<b>Chickens</b> .....number	771,233	41,949	41,793	83,038	31,482
57	<b>Other poultry</b> .....number	11,542	460	478	1,178	484
58	<b>Value of all poultry</b> .....dollars	1,324,826	75,626	72,525	103,244	44,512
59	<b>Bees</b> .....number of hives	4,191	244	91	207	282
60	<b>Total value</b> .....dollars	27,051	2,439	760	2,213	1,540
<b>LIVE-STOCK PRODUCTS: 1919.</b>						
61	<b>Dairy products:</b>					
62	Milk produced (as reported).....gallons	26,456,334	1,629,569	1,364,485	2,096,957	4,411,433
63	Milk sold.....gallons	23,043,256	805,947	359,713	1,230,654	3,406,127
64	Cream sold.....gallons	264,635	11,673	11,076	24,775	38,270
65	Butter fat sold.....pounds	758,782	15,594	18,426	47,184	226,211
66	Butter made on farms.....pounds	3,249,368	316,634	286,470	354,644	260,242
67	Butter sold.....pounds	2,272,752	224,322	173,688	260,755	190,427
68	Cheese made on farms.....pounds	32,469	418	545	1,273	350
69	Value of dairy products.....dollars	10,224,598	400,219	338,833	718,567	1,238,376
70	Receipts from sale of dairy products.....dollars	9,627,286	405,371	272,549	602,603	1,195,040
71	Average production of milk per dairy cow.....gallons	429	409	395	426	483
72	<b>Eggs and chickens:</b>					
73	Eggs produced (as reported).....dozens	4,584,904	253,610	312,176	298,216	191,306
74	Eggs sold.....dozens	3,209,639	159,671	207,547	218,841	102,359
75	Chickens raised (as reported).....number	902,877	44,379	39,486	82,626	97,960
76	Chickens sold.....number	432,771	22,981	16,555	35,392	8,999
77	Value of chickens and eggs produced.....dollars	3,737,661	206,879	227,261	243,255	243,526
78	Receipts from sale of chickens and eggs.....dollars	2,493,746	123,287	140,760	166,698	65,956
79	<b>Honey and wax:</b>					
80	Honey produced.....pounds	49,512	4,726	1,045	3,382	3,275
81	Wax produced.....pounds	356	29	15	36	13
82	Value of honey and wax.....dollars	18,979	1,808	403	1,300	1,251
83	<b>Wool:</b>					
84	Sheep shorn.....number	22,182	2,378	1,224	2,390	2,330
85	Wool produced (as reported).....pounds	142,110	15,117	8,402	15,263	15,776
86	Value.....dollars	84,241	8,328	5,232	9,014	9,418

\* Value of milk, cream, and butter fat sold, and of butter and cheese made on farms.

COUNTY TABLE III.—DOMESTIC ANIMALS NOT ON FARMS OR RANGES: 1920.

1	Inclosures reporting domestic animals.....	10,962	561	776	1,142	1,013
2	<b>Horses, total number</b> .....	14,722	837	1,075	1,527	1,652
3	<b>Mules, total number</b> .....	74	1	2	8	6
4	<b>Asses and burros, total number</b> .....	15	1	1	2	1
5	<b>Cattle, total number</b> .....	9,210	453	647	1,048	891
6	Dairy cows.....	6,369	268	467	741	670
7	<b>Sheep, total number</b> .....	477	29	28	23	34
8	<b>Goats, total number</b> .....	116	17	7	7	6
9	<b>Swine, total number</b> .....	9,636	466	682	873	871

COUNTY TABLE II.—LIVE STOCK ON FARMS AND RANGES, 1920; AND LIVE-STOCK PRODUCTS, 1919—Continued.

	Grafton.	Hillsborough.	Merrimack.	Rockingham.	Strafford.	Sullivan.
<b>DOMESTIC ANIMALS: 1920.</b>						
Farms reporting domestic animals..... number.....	2,723	2,283	2,525	2,884	1,201	1,353
Value of all domestic animals..... dollars.....	3,257,056	2,224,790	2,150,512	2,146,843	978,179	1,417,216
<b>Horses:</b>						
Total number.....	6,786	4,313	4,661	4,629	2,124	2,933
Colts under 1 year of age.....	133	112	140	50	25	58
Colts 1 year old and under 2 years.....	170	32	68	38	16	60
Mares 2 years old and over.....	2,462	1,419	1,470	1,155	632	1,283
Geldings 2 years old and over.....	3,949	2,715	2,987	3,372	1,425	1,512
Stallions 2 years old and over.....	72	35	26	14	26	20
Total value..... dollars.....	946,486	571,490	576,717	603,208	283,017	407,018
<b>Mules:</b>						
Total number.....	36	28	39	38	6	15
Mule colts under 1 year of age.....	2	2	2	3	—	—
Mule colts 1 year old and under 2 years.....	36	21	33	35	6	15
Mules 2 years old and over.....	—	—	—	—	—	—
Total value..... dollars.....	6,125	3,000	4,975	5,180	575	2,425
<b>Asses and burros:</b>						
Total number.....	1	7	4	4	3	1
Total value..... dollars.....	50	181	80	250	200	15
<b>Cattle:</b>						
Total number.....	33,205	19,287	21,166	17,981	8,692	13,715
Total value..... dollars.....	2,125,735	1,470,733	1,396,026	1,397,665	630,605	916,869
<b>Beef cattle—</b>						
Total number.....	2,309	1,031	3,748	1,122	1,222	1,856
Calves under 1 year of age.....	359	143	535	165	170	261
Heifers 1 year old and under 2 years.....	152	85	304	118	118	124
Cows and heifers 2 years old and over.....	385	362	629	337	270	332
Steers 1 year old and under 2 years.....	493	134	614	151	231	365
Steers 2 years old and over.....	845	235	1,557	309	395	735
Bulls 1 year old and over.....	85	52	109	44	38	49
Total value..... dollars.....	179,617	69,849	224,057	97,838	84,904	124,980
<b>Dairy cattle—</b>						
Total number.....	30,896	18,256	17,418	16,259	7,470	11,859
Calves under 1 year of age.....	4,976	2,705	2,757	1,792	1,148	2,346
Heifers 1 year old and under 2 years.....	4,988	2,924	2,875	2,285	1,332	2,145
Cows and heifers 2 years old and over.....	20,170	12,109	11,288	11,784	4,786	7,057
Bulls 1 year old and over.....	762	518	498	398	204	311
Total value..... dollars.....	1,946,118	1,400,884	1,171,969	1,299,827	545,701	791,889
<b>Sheep:</b>						
Total number.....	5,392	2,136	4,642	1,412	951	2,934
Lambs under 1 year of age.....	1,394	569	1,195	273	210	691
Ewes 1 year old and over.....	3,697	1,473	3,271	1,080	619	2,030
Rams 1 year old and over.....	160	89	136	53	26	71
Wethers 1 year old and over.....	141	5	40	7	86	142
Total value..... dollars.....	55,412	25,134	42,887	18,839	10,820	27,588
<b>Goats:</b>						
Total number.....	13	63	74	106	35	4
Total value..... dollars.....	205	1,025	194	896	585	35
<b>Swine:</b>						
Total number.....	6,233	6,853	5,808	5,671	2,140	2,931
Pigs under 6 months old.....	3,939	4,011	3,420	3,229	1,277	1,848
Sows and gilts for breeding, 6 months old and over.....	841	962	845	742	306	453
Boars for breeding, 6 months old and over.....	135	111	115	82	55	52
All other hogs, 6 months old and over.....	1,264	1,769	1,428	1,618	502	578
Total value..... dollars.....	123,043	153,227	129,633	120,816	52,377	63,266
<b>POULTRY AND BEES: 1920.</b>						
Chickens..... number.....	84,501	141,108	109,375	134,737	50,723	51,627
Other poultry..... number.....	1,135	1,969	986	3,100	641	1,111
Value of all poultry..... dollars.....	133,638	258,244	198,479	262,616	96,122	89,830
Bees..... number of hives.....	689	883	637	274	261	723
Total value..... dollars.....	4,487	4,039	3,953	2,326	1,835	3,459
<b>LIVE-STOCK PRODUCTS: 1919.</b>						
<b>Dairy products:</b>						
Milk produced (as reported)..... gallons.....	7,326,076	4,991,493	4,551,513	4,892,757	1,998,278	2,593,718
Milk sold..... gallons.....	4,616,169	3,888,654	2,632,991	3,857,284	1,168,365	1,077,352
Cream sold..... gallons.....	59,976	29,925	30,177	11,331	15,359	32,072
Butter fat sold..... pounds.....	292,691	15,339	57,462	12,238	8,135	65,502
Butter made on farms..... pounds.....	536,008	221,123	422,723	219,841	283,035	339,648
Butter sold..... pounds.....	361,741	186,546	284,263	109,770	226,191	255,149
Cheese made on farms..... pounds.....	12,280	8,539	4,021	2,634	325	2,084
Value of dairy products <sup>1</sup> ..... dollars.....	1,984,213	1,594,093	1,182,645	1,435,535	638,939	633,468
Receipts from sale of dairy products..... dollars.....	1,875,368	1,567,487	1,096,365	1,367,566	606,850	578,089
Average production of milk per dairy cow..... gallons.....	399	451	435	430	448	419
<b>Eggs and chickens:</b>						
Eggs produced (as reported)..... dozens.....	576,553	816,736	669,363	852,327	325,328	289,289
Eggs sold..... dozens.....	350,243	659,162	558,985	570,326	257,484	215,021
Chickens raised (as reported)..... number.....	82,959	162,840	140,952	156,381	61,878	53,416
Chickens sold..... number.....	33,960	86,195	82,933	81,194	36,963	27,599
Value of chickens and eggs produced..... dollars.....	442,289	639,677	518,266	716,959	266,816	232,733
Receipts from sale of chickens and eggs..... dollars.....	247,165	461,809	391,782	452,747	196,211	157,331
<b>Honey and wax:</b>						
Honey produced..... pounds.....	10,495	6,165	5,951	2,975	2,408	9,090
Wax produced..... pounds.....	51	61	84	25	29	43
Value of honey and wax..... dollars.....	4,010	2,369	2,297	1,142	927	3,472
<b>Wool:</b>						
Sheep shorn..... number.....	4,192	1,599	3,787	957	728	2,597
Wool produced (as reported)..... pounds.....	27,249	9,741	24,062	5,420	4,429	16,651
Value..... dollars.....	16,098	5,744	14,816	3,025	2,603	9,968

<sup>1</sup> Value of milk, cream, and butter fat sold, and of butter and cheese made on farms.

COUNTY TABLE III.—DOMESTIC ANIMALS NOT ON FARMS OR RANGES: 1920—Continued.

	Grafton.	Hillsborough.	Merrimack.	Rockingham.	Strafford.	Sullivan.
Inclosures reporting domestic animals.....	1,671	2,070	1,254	891	959	625
Horses, total number.....	2,278	2,889	1,545	1,006	1,077	833
Mules, total number.....	9	5	17	17	5	4
Asses and burros, total number.....	—	4	2	2	1	1
Cattle, total number.....	1,568	1,726	988	603	674	612
Dairy cows.....	1,103	1,203	682	394	376	440
Sheep, total number.....	86	76	57	99	12	33
Goats, total number.....	5	29	27	15	3	7
Swine, total number.....	1,041	2,191	1,091	810	1,183	428

## AGRICULTURE—NEW HAMPSHIRE.

COUNTY TABLE IV.—VALUE OF ALL CROPS, AND ACREAGE AND PRODUCTION OF PRINCIPAL CROPS: 1919.

		THE STATE.	Belknap.	Carroll.	Cheshire.	Coos.	
VALUE OF ALL CROPS.							
1	Total.....	dollars..	23,500,665	1,442,508	1,310,846	1,954,838	2,515,608
2	Cereals.....	dollars..	1,438,628	78,212	50,022	197,819	189,579
3	Other grains and seeds.....	dollars..	122,263	9,830	14,369	9,567	2,471
4	Hay and forage.....	dollars..	13,616,378	797,949	698,783	1,056,970	1,659,209
5	Vegetables.....	dollars..	5,228,489	346,557	400,287	449,537	575,254
6	Fruits.....	dollars..	2,665,103	186,652	116,521	154,957	20,295
7	All other crops.....	dollars..	480,804	23,808	30,864	85,988	68,800
SELECTED CROPS (acres harvested and production).							
8	Cereals: Total.....	acres..	28,821	1,440	862	3,634	5,156
9	Total.....	bushels..	1,036,401	52,528	32,942	129,040	170,809
10	Corn.....	acres..	10,433	622	418	1,025	70
11	Oats.....	bushels..	482,738	30,714	21,346	83,525	1,280
12	Wheat.....	acres..	14,688	684	362	1,312	4,090
13	Wheat.....	bushels..	485,367	18,763	10,629	38,628	149,206
14	Barley.....	acres..	1,366	66	48	108	419
15	Barley.....	bushels..	21,968	1,095	563	1,878	6,602
16	Rye.....	acres..	887	37	2	57	261
17	Rye.....	bushels..	22,036	1,338	63	1,400	6,586
18	Buckwheat.....	acres..	627	19	20	199	21
19	Buckwheat.....	bushels..	5,760	472	81	2,711	399
20	Buckwheat.....	acres..	631	12	12	16	268
21	Buckwheat.....	bushels..	10,940	146	258	368	5,584
22	Other grains and seeds:						
23	Dry edible beans.....	acres..	2,198	145	370	70	60
24	Dry beans.....	bushels..	18,488	1,494	2,252	1,438	368
25	Dry peas.....	acres..	53	11	3	1	2
26	Dry peas.....	bushels..	472	65	33	29	14
27	Hay and forage:						
28	Total.....	acres..	465,308	28,700	29,090	35,426	47,155
29	All tame or cultivated grasses.....	tons..	606,713	36,331	30,152	49,214	63,019
30	Timothy alone.....	acres..	426,345	26,750	26,674	31,633	43,982
31	Timothy alone.....	tons..	448,084	27,570	25,200	32,111	56,343
32	Timothy and clover mixed.....	acres..	63,929	1,733	2,517	5,725	12,361
33	Timothy and clover mixed.....	tons..	77,542	2,372	2,542	6,695	16,036
34	Clover alone.....	acres..	197,567	9,928	6,291	13,403	28,608
35	Clover alone.....	tons..	224,332	11,302	7,279	14,934	37,219
36	Alfalfa.....	acres..	2,819	199	31	502	193
37	Alfalfa.....	tons..	3,719	315	54	511	335
38	Other tame or cultivated grasses.....	acres..	379	23	6	101	39
39	Other tame or cultivated grasses.....	tons..	707	51	14	114	87
40	Wild, salt, or prairie grasses.....	acres..	161,651	14,817	17,829	11,902	2,781
41	Wild, salt, or prairie grasses.....	tons..	141,754	13,530	15,811	9,857	2,666
42	Small grains cut for hay.....	acres..	10,605	420	1,020	341	1,130
43	Small grains cut for hay.....	tons..	10,131	423	934	300	1,317
44	Annual legumes cut for hay.....	acres..	11,138	707	547	1,042	1,408
45	Annual legumes cut for hay.....	tons..	20,938	1,239	912	1,139	2,348
46	Silage crops.....	acres..	1,371	60	348	149	140
47	Silage crops.....	tons..	1,492	56	274	103	227
48	Corn cut for forage.....	acres..	9,801	548	239	1,080	205
49	Corn cut for forage.....	tons..	104,954	6,262	1,767	10,700	1,663
50	Kafir, sorghum, etc., for forage.....	acres..	5,426	204	241	1,167	266
51	Kafir, sorghum, etc., for forage.....	tons..	18,755	749	856	2,513	991
52	Root crops for forage.....	acres..	115	6	1	1	13
53	Root crops for forage.....	tons..	272	14	2	2	42
54	Root crops for forage.....	acres..	412	5	26	33	11
55	Root crops for forage.....	tons..	2,117	18	207	346	88
56	Vegetables:						
57	Potatoes (Irish or white).....	acres..	13,334	841	844	1,361	1,647
58	All other vegetables.....	bushels..	1,341,978	87,780	82,226	119,268	219,802
59	Miscellaneous crops:						
60	Tobacco.....	acres..	2,592	81	281	283	41
61	Maple trees tapped.....	pounds..	108			108	
62	Maple sugar made.....	bushels..	135,182			132,464	
63	Maple syrup made.....	gallons..	648,761	26,191	48,022	64,725	132,893
64	Maple syrup made.....	gallons..	329,723	4,189	3,962	52,382	105,975
65	Maple syrup made.....	gallons..	112,824	7,649	10,329	9,611	10,754
FRUITS.							
66	Small fruits:						
67	Total.....	acres..	1,071	107	39	148	6
68	Strawberries.....	quarts..	753,959	66,889	40,498	51,088	2,175
69	Raspberries.....	acres..	366	27	18	25	5
70	Blackberries and dewberries.....	quarts..	489,774	29,206	25,834	28,627	1,376
71	Currants.....	acres..	208	22	11	16	
72	Currants.....	quarts..	120,991	16,508	8,395	11,419	210
73	Peaches.....	acres..	141	12	5	10	
74	Peaches.....	quarts..	90,660	13,688	5,288	7,646	395
75	Pears.....	acres..	142	1	4	83	1
76	Pears.....	quarts..	18,140	1,370	910	1,690	132
77	Orchard fruits:						
78	Total.....	acres..	271,268	17,088	9,201	17,817	1,258
79	Apples.....	acres..	853,203	56,103	44,769	53,543	8,079
80	Apples.....	bushels harvested.....	1,431,341	101,675	63,415	84,855	11,969
81	Peaches.....	acres..	227,933	14,024	7,648	16,216	1,206
82	Peaches.....	bushels harvested.....	721,130	50,518	41,280	48,559	8,753
83	Pears.....	acres..	1,364,001	98,832	61,852	82,330	11,945
84	Pears.....	bushels harvested.....	23,200	620	237	506	
85	Plums and prunes.....	acres..	81,287	949	398	1,254	
86	Cherries.....	acres..	39,919	300	220		
87	Cherries.....	bushels harvested.....	7,753	718	511	359	
88	Grapes.....	acres..	21,366	1,126	1,350	1,915	
89	Grapes.....	bushels harvested.....	17,274	1,237	634	1,463	
90	Grapes.....	acres..	6,454	746	450	435	
91	Grapes.....	bushels harvested.....	18,333	1,855	1,209	1,314	
92	Cherries.....	acres..	8,429	1,104	657	744	
93	Cherries.....	bushels harvested.....	5,928	982	355	301	
94	Grapes.....	acres..	11,025	1,655	532	501	
95	Grapes.....	bushels harvested.....	2,518	202	52	26	
96	Grapes.....	vines not of bearing age.....	2,543	257	80	153	
97	Grapes.....	vines of bearing age.....	12,998	674	828	828	
98	Grapes.....	pounds harvested.....	214,514	12,245	12,074	15,445	
99							
100							

COUNTY TABLE IV.—VALUE OF ALL CROPS, AND ACREAGE AND PRODUCTION OF PRINCIPAL CROPS: 1919—Contd.

		Grafton.	Hillsborough.	Merrimack.	Rockingham.	Strafford.	Sullivan.
VALUE OF ALL CROPS.							
1	Total.....dollars..	4,149,754	3,023,018	2,902,327	3,060,135	1,319,639	1,830,992
2	Cereals.....dollars..	289,458	132,796	147,249	159,308	49,690	162,495
3	Other grains and seeds.....dollars..	20,312	11,107	18,447	17,775	13,579	4,806
4	Hay and forage.....dollars..	2,646,184	1,478,402	1,662,062	1,664,648	836,519	1,115,652
5	Vegetables.....dollars..	804,814	615,702	647,770	762,439	313,639	312,490
6	Fruits.....dollars..	280,551	767,033	383,682	451,285	104,335	139,792
7	All other crops.....dollars..	108,435	17,978	43,117	4,680	1,877	95,757
SELECTED CROPS (acres harvested and production).							
8	Cereals:						
9	Total.....acres..	6,693	1,789	2,802	2,051	1,197	3,217
10	Corn.....bushels..	229,049	80,257	98,127	95,681	32,097	115,811
11	Corn.....acres..	1,845	1,260	1,375	1,483	727	1,208
12	Oats.....bushels..	61,431	65,768	60,687	81,162	21,899	55,026
13	Oats.....acres..	4,353	332	1,186	404	372	1,593
14	Wheat.....bushels..	149,452	11,125	33,222	11,740	8,854	58,748
15	Wheat.....acres..	357	70	93	61	27	117
16	Barley.....bushels..	5,582	1,492	1,541	1,223	317	1,675
17	Barley.....acres..	238	19	79	26	30	133
18	Rye.....bushels..	5,986	313	1,675	501	419	3,695
19	Rye.....acres..	113	51	30	44	27	103
20	Buckwheat.....bushels..	391	711	410	738	341	506
21	Buckwheat.....acres..	174	25	29	31	14	50
22	Other grains and seeds:						
23	Dry edible beans.....acres..	392	217	314	242	314	74
24	Dry peas.....bushels..	2,974	1,538	2,787	2,839	2,132	666
25	Dry peas.....acres..	6	13	7	2	4	4
26	Hay and forage:						
27	Total.....acres..	84,103	49,377	62,163	59,208	31,513	38,562
28	All tame or cultivated grasses.....acres..	120,797	69,749	78,810	75,454	35,495	50,692
29	Timothy alone.....acres..	78,097	42,555	50,084	55,272	29,722	35,576
30	Timothy alone.....tons..	85,892	45,952	55,028	54,659	29,562	35,737
31	Timothy and clover mixed.....acres..	9,815	7,819	6,431	6,551	4,170	6,757
32	Timothy and clover mixed.....tons..	11,868	10,675	7,394	7,511	4,804	7,645
33	Clover alone.....acres..	43,220	12,339	22,544	31,355	11,855	18,024
34	Clover alone.....tons..	50,842	15,202	24,323	32,345	11,987	18,899
35	Alfalfa.....acres..	729	127	499	267	133	139
36	Alfalfa.....tons..	959	205	582	310	215	233
37	Other tame or cultivated grasses.....acres..	48	34	37	48	23	20
38	Other tame or cultivated grasses.....tons..	70	82	47	137	58	58
39	Wild, salt, or prairie grasses.....acres..	24,235	21,786	26,573	17,051	14,041	10,636
40	Wild, salt, or prairie grasses.....tons..	22,153	19,788	22,682	14,356	12,509	8,902
41	Small grains cut for hay.....acres..	1,068	2,462	2,444	797	566	357
42	Small grains cut for hay.....tons..	951	2,313	2,069	783	690	361
43	Annual legumes cut for hay.....acres..	1,637	1,776	1,626	827	601	867
44	Annual legumes cut for hay.....tons..	3,518	3,021	2,610	1,609	961	1,533
45	Silage crops.....acres..	266	183	163	33	41	38
46	Silage crops.....tons..	266	194	153	47	96	51
47	Corn cut for forage.....acres..	2,403	1,303	1,264	1,531	326	1,012
48	Corn cut for forage.....tons..	26,545	14,371	18,786	15,838	3,111	10,911
49	Kafir, sorghum, etc., for forage.....acres..	520	1,032	551	554	252	639
50	Kafir, sorghum, etc., for forage.....tons..	3,330	3,454	1,875	2,173	1,036	1,778
51	Root crops for forage.....acres..	4	23	3	7	1	118
52	Root crops for forage.....tons..	4	70	6	13	5	16
53	Vegetables:						
54	Potatoes (Irish or white).....acres..	2,064	1,333	1,491	1,848	916	989
55	All other vegetables.....bushels..	233,450	120,632	152,647	173,576	66,624	96,573
56	Miscellaneous crops:						
57	Tobacco.....acres..	163	630	163	747	170	83
58	Maple trees tapped.....pounds..		2,476	128		114	
59	Maple sugar made.....number..	167,026	23,390	50,992	4,049	1,796	129,677
60	Maple sugar made.....pounds..	103,943	6,360	10,311	119	138	42,344
61	Maple sirup made.....gallons..	24,918	5,244	13,813	1,627	629	23,250
FRUITS.							
62	Small fruits:						
63	Total.....acres..	61	243	196	139	66	66
64	Strawberries.....quarts..	44,418	151,849	98,147	103,172	52,690	53,153
65	Raspberries.....acres..	28	84	46	70	37	26
66	Raspberries.....quarts..	25,657	104,422	59,994	147,245	38,100	29,413
67	Blackberries and dewberries.....acres..	15	75	26	18	9	17
68	Blackberries and dewberries.....quarts..	9,813	24,603	17,686	24,031	7,791	10,575
69	Currents.....acres..	9	24	23	35	12	11
70	Currents.....quarts..	7,474	15,437	8,880	15,956	4,607	11,295
71	Orchard fruits:						
72	Total.....trees not of bearing age..	1,098	4,603	2,180	4,452	803	972
73	Apples.....trees of bearing age..	16,409	89,414	33,288	61,002	14,334	11,457
74	Peaches.....trees of bearing age..	105,493	200,403	133,583	150,376	43,708	56,266
75	Pears.....bushels harvested..	161,620	426,040	214,409	238,197	52,817	76,154
76	Plums and prunes.....trees not of bearing age..	14,210	74,978	27,123	51,829	10,442	10,257
77	Cherries.....trees of bearing age..	102,074	146,068	120,576	113,552	36,426	53,324
78	Plums and prunes.....bushels harvested..	159,930	392,746	208,896	224,157	48,490	74,793
79	Pears.....trees not of bearing age..	72	9,909	3,463	6,488	1,876	79
80	Pears.....trees of bearing age..	89	44,202	4,844	26,457	3,030	84
81	Plums and prunes.....bushels harvested..	34	27,179	1,000	8,037	1,910	47
82	Cherries.....trees not of bearing age..	449	2,084	1,063	1,419	700	269
83	Cherries.....trees of bearing age..	553	4,599	3,170	5,731	1,970	1,163
84	Apples.....bushels harvested..	275	3,558	2,921	4,538	1,642	1,007
85	Peaches.....trees not of bearing age..	1,058	1,002	716	770	772	460
86	Peaches.....trees of bearing age..	1,410	3,633	2,892	3,323	1,495	1,087
87	Pears.....bushels harvested..	288	1,795	1,477	1,545	701	264
88	Cherries.....trees not of bearing age..	620	1,441	923	1,308	454	306
89	Cherries.....trees of bearing age..	1,387	2,051	2,106	2,106	787	607
90	Grapes.....vines not of bearing age..	1,063	762	205	80	74	43
91	Grapes.....vines of bearing age..	139	568	365	471	639	133
92	Grapes.....pounds harvested..	554	3,853	2,171	2,501	1,276	492
		5,544	53,864	39,974	42,975	25,650	6,593

COUNTY TABLE V.—MORTGAGE DEBT, 1920; AND EXPENDITURES FOR LABOR, FERTILIZER, AND FEED, 1919.

	THE STATE.	Belknap.	Carroll.	Cheshire.	Coos.
MORTGAGE DEBT REPORTS: 1920.					
1 For all farms operated by owners:					
2 Number free from mortgage debt.....	11,992	831	1,091	778	640
3 Number with mortgage debt.....	5,389	209	221	511	597
4 Number with no mortgage report.....	1,223	90	94	125	58
5 For farms consisting of owned land only:					
6 Number of farms reporting amount of debt.....	4,931	289	183	463	573
7 Value of land and buildings..... dollars.....	29,274,025	1,055,025	806,050	1,884,110	2,521,640
8 Amount of mortgage debt..... dollars.....	6,829,551	372,610	243,719	602,162	950,679
9 Ratio of debt to value..... per cent.....	33.6	35.3	30.2	32.3	37.9
10 Average rate of interest paid..... per cent.....	5.1	5.2	5.3	5.1	5.1
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.					
11 Labor:					
12 Farms reporting..... number.....	11,365	681	876	949	897
13 Total expenditure..... dollars.....	4,520,816	253,780	251,784	398,755	417,842
14 Amount in cash..... dollars.....	3,665,259	206,447	214,006	333,588	315,393
15 Value of rent and board furnished..... dollars.....	855,557	44,333	37,728	65,167	102,449
16 Fertilizer:					
17 Farms reporting..... number.....	8,799	596	595	845	703
18 Amount expended..... dollars.....	526,180	34,488	22,279	36,608	20,961
19 Feed:					
20 Farms reporting..... number.....	18,015	1,151	1,346	1,426	1,260
21 Amount expended..... dollars.....	8,725,716	461,858	430,400	606,441	554,064

	Grafton.	Hillsborough.	Merrimack.	Rockingham.	Strafford.	Sullivan.
MORTGAGE DEBT REPORTS: 1920.						
1 For all farms operated by owners:						
2 Number free from mortgage debt.....	1,615	1,463	1,707	2,171	982	714
3 Number with mortgage debt.....	827	744	678	832	248	432
4 Number with no mortgage report.....	165	119	206	180	103	124
5 For farms consisting of owned land only:						
6 Number of farms reporting amount of debt.....	786	691	803	763	224	406
7 Value of land and buildings..... dollars.....	2,954,805	3,599,500	2,163,350	3,174,650	765,750	1,369,085
8 Amount of mortgage debt..... dollars.....	1,109,153	1,002,643	740,835	1,026,157	277,208	489,385
9 Ratio of debt to value..... per cent.....	37.5	27.9	34.2	32.3	36.2	35.7
10 Average rate of interest paid..... per cent.....	5.1	5.1	5.1	5.1	5.2	5.1
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.						
11 Labor:						
12 Farms reporting..... number.....	1,781	1,401	1,611	1,677	764	778
13 Total expenditure..... dollars.....	784,259	779,992	472,761	625,792	275,554	260,347
14 Amount in cash..... dollars.....	651,297	609,261	389,345	528,937	226,165	207,760
15 Value of rent and board furnished..... dollars.....	132,962	170,731	83,416	96,795	49,389	52,587
16 Fertilizer:						
17 Farms reporting..... number.....	1,316	1,044	1,195	1,210	620	675
18 Amount expended..... dollars.....	63,700	100,937	76,484	110,168	39,826	20,770
19 Feed:						
20 Farms reporting..... number.....	2,631	2,260	2,504	2,944	1,184	1,299
21 Amount expended..... dollars.....	1,324,621	1,565,335	1,273,991	1,475,378	566,655	472,968



# VERMONT.

## INTRODUCTION.

In the following pages are presented all the statistics of agriculture for Vermont collected at the census of 1920, except a few minor items which are given in the state tables of the United States summary, at the beginning of this volume, and certain detailed tabulations which appear in Volume V of the Fourteenth Census Reports. The statistics of farms and farm property, including live stock, relate to January 1,

1920; those of live-stock products, crops, and farm expenditures are for the calendar year 1919. In order to show the present tendency in agriculture, comparative figures for the census of 1910 are given throughout; and to show the general trend of the agricultural industry over a considerable period of time, all general farm information available is presented for the different censuses since 1850.

## FARMS AND FARM PROPERTY.

TABLE 1.—SUMMARY: 1920 AND 1910.

ITEM.	1920 (January 1)	1910 (April 15)	INCREASE. <sup>1</sup>	
			Amount.	Per cent.
Population, total.....	352, 428	355, 956	-3, 528	-1.0
Rural <sup>2</sup> .....	242, 452	257, 039	-14, 587	-5.7
Urban.....	109, 976	98, 917	11, 059	11.2
Per cent rural.....	68.8	72.2		
Number of farms.....	29, 075	32, 709	-3, 634	-11.1
Approximate land area of the state..... acres..	5, 839, 860	5, 839, 860		
All land in farms..... acres..	4, 235, 811	4, 663, 577	-427, 766	-9.2
Improved land in farms <sup>3</sup> ..... acres..	1, 691, 595	1, 633, 965	57, 630	3.5
Woodland in farms..... acres..	1, 428, 309	1, 566, 698	-138, 389	-8.8
Other unimproved land in farms..... acres..	1, 115, 907	1, 462, 914	-347, 007	-23.7
Per cent of land area in farms.....	72.5	79.9		
Per cent of farm land improved <sup>3</sup> .....	39.9	35.0		
Average acreage per farm.....	145.7	142.6	3.1	2.2
Average improved acreage per farm.....	58.2	50.0	8.2	16.4
Value of all farm property.....	\$222, 736, 620	\$145, 399, 728	\$77, 336, 892	53.2
Land and buildings.....	159, 117, 159	112, 588, 275	46, 528, 884	41.3
Land alone.....	82, 938, 253	58, 385, 327	24, 552, 926	42.1
Buildings.....	76, 178, 906	54, 202, 948	21, 975, 958	40.5
Implements and machinery.....	21, 234, 130	10, 168, 687	11, 065, 443	108.8
Live stock.....	42, 385, 331	22, 642, 766	19, 742, 565	87.2
Average value per farm:				
All farm property.....	7, 661	4, 445	3, 216	72.4
Land and buildings.....	5, 473	3, 442	2, 031	59.0
Land alone.....	2, 853	1, 785	1, 068	59.8
Buildings.....	2, 620	1, 657	963	58.1
Implements and machinery.....	730	311	419	134.7
Live stock.....	1, 458	692	766	110.7
Average value per acre of land in farms:				
All farm property.....	52.58	31.18	21.40	68.6
Land and buildings.....	37.56	24.14	13.42	55.6
Land alone.....	19.58	12.52	7.06	56.4
Buildings.....	17.98	11.62	6.36	54.7
Implements and machinery.....	5.01	2.18	2.83	129.8
Live stock.....	10.01	4.86	5.15	106.0

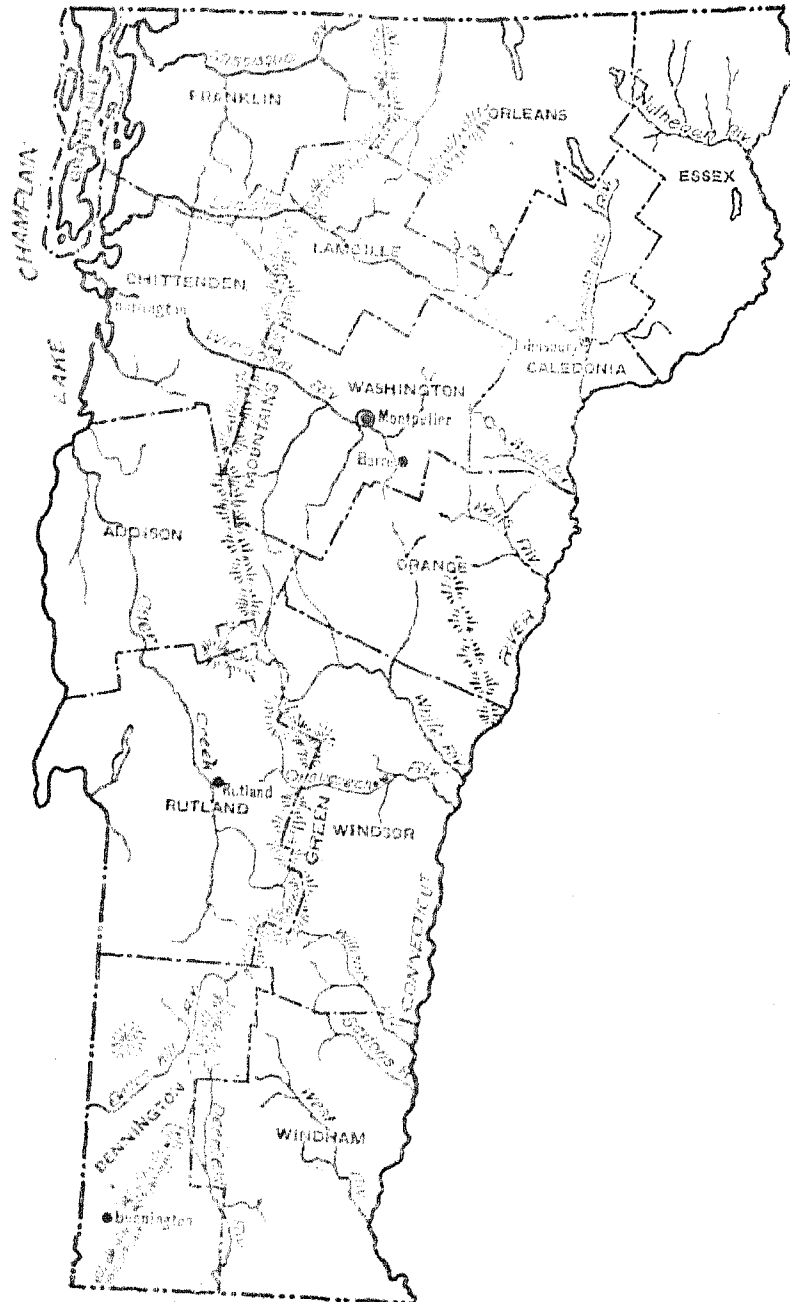
<sup>1</sup> A minus sign (-) denotes decrease.

<sup>2</sup> Population residing outside of incorporated places having 2,500 inhabitants or over. The rate of increase (or decrease) in the rural population between the two censuses is affected somewhat by the fact that certain places classified as rural in 1910 had become urban by 1920. The population in 1910 of the territory classified as rural in 1920 was 256,578. For this territory, the population shows a decrease between 1910 and 1920 amounting to 5.5 per cent, which percentage indicates the rate of decline in the rural population, leaving out of consideration the changes in classification of territory.

<sup>3</sup> The increase in the acreage of improved land reported and in the percentage of farm land improved may be due in part to a slight change in the definition of improved land. This definition in 1920 included "land in pasture which has been cleared or tilled" (of which there are considerable areas in Vermont), while in 1910 the only pasture land included with improved land was that "pastured and cropped in rotation."

# VERMONT

COUNTIES, PRINCIPAL CITIES, RIVERS AND MOUNTAINS.





EXPLANATION OF TERMS.

To assist in securing comparability for its statistics of agriculture, the Bureau of the Census provided the enumerators with certain definitions and instructions, the more important of which were essentially as given below.

**Farm.**—A "farm" for census purposes is all the land which is directly farmed by one person managing and conducting agricultural operations, either by his own labor alone or with the assistance of members of his household or hired employees. The term "agricultural operations" is used as a general term, referring to the work of growing crops, producing other agricultural products, and raising domestic animals, poultry, and bees. A "farm" as thus defined may consist of a single tract of land or of a number of separate and distinct tracts, and these several tracts may be held under different tenures, as where one tract is owned by the farmer and another tract is hired by him. When a landowner has one or more tenants, renters, croppers, or managers, the land operated by each is considered a "farm."

In applying the foregoing definition of a "farm" for census purposes, enumerators were instructed to report as a "farm" any tract of 3 or more acres used for agricultural purposes, and also any tract containing less than 3 acres which produced at least \$250 worth of farm products in the year 1919, or required for its agricultural operations the continuous services of at least one person.

**Farmer.**—A "farmer" or "farm operator," according to the census definition, is a person who directs the operation of a farm. Hence owners of farms who do not themselves direct the farm operations are not reported as "farmers." Farmers are divided by the Bureau of the Census into three general classes according to the character of their tenure, namely, owners, managers, and tenants.

**Farm owners** include (1) farmers operating their own land only and (2) those operating both their own land and some land hired from others. The latter are sometimes referred to in the census reports as "part owners," the term "full owners" being then used for those owning all their land.

**Managers** are farmers who are conducting farm operations for the owner for wages or a salary.

**Farm tenants** are farmers who, as tenants, renters, or croppers, operate hired land only. They were reported in 1920 in five classes: (1) Share tenants—those who pay a certain share of the products, as one-half, one-third, or one-quarter, for the use of the farm but furnish their own farm equipment and animals; (2) croppers—share tenants who do not furnish their work animals; (3) share-cash tenants—those who pay a share of the products for part of the land rented by them and cash for part; (4) cash tenants—those who pay a cash rental, as \$7 per acre of crop land or \$500 for the use of the whole farm; (5) standing renters—those who pay a stated amount of farm products for the use of the farm, as 3 bales of cotton or 500 bushels of corn. In some cases the character of the tenancy was not ascertained by the enumerator; such tenants are designated "unspecified."

**Farm land.**—Farm land is divided into (1) improved land, (2) woodland, and (3) other unimproved land.

**Improved land** includes all land regularly tilled or mowed, land in pasture which has been cleared or tilled, land lying fallow, land in gardens, orchards, vineyards, and nurseries, and land occupied by farm buildings.

**Woodland** includes all land covered with natural or planted forest trees which produce, or later may produce, firewood or other forest products.

**All other unimproved land** includes brush land, rough or stony land, swamp land, and any other land which is not improved or in forest.

The census classification of farm land as "improved land," "woodland," and "other unimproved land" is one not always easy for the farmers or enumerators to make, and the statistics, therefore, must be considered at best only a close approximation.

NUMBER OF FARMS, ACREAGE, AND VALUE.

TABLE 2.—NUMBER OF FARMS AND FARM ACREAGE: 1850 TO 1920.

CENSUS YEAR.	FARMS.		LAND IN FARMS.				Per cent of land area in farms.	Per cent of farm land im- proved.
	Num- ber.	Per cent of in- crease. <sup>1</sup>	All land.		Improved land.			
			Acres.	Per cent of in- crease. <sup>1</sup>	Acres.	Per cent of in- crease. <sup>1</sup>		
1920.....	29,075	-11.1	4,235,811	-9.2	1,691,595	3.5	72.5	39.9
1910.....	32,709	-1.2	4,663,577	-1.3	1,633,965	-23.2	79.9	35.0
1900.....	33,104	1.6	4,724,440	7.5	2,126,624	-19.9	80.9	45.0
1890.....	32,573	-8.3	4,395,646	-10.0	2,655,943	-19.2	75.3	60.4
1880.....	35,522	5.0	4,882,588	7.8	3,286,461	6.9	83.6	67.3
1870.....	33,827	7.2	4,528,804	6.0	3,073,257	8.9	77.6	67.9
1860.....	31,556	6.0	4,274,414	3.6	2,823,157	8.5	73.2	66.0
1850.....	29,763	.....	4,125,822	.....	2,601,409	.....	70.7	63.1

<sup>1</sup> A minus sign (—) denotes decrease.

TABLE 3.—VALUE OF FARM PROPERTY: 1850 TO 1920.

CENSUS YEAR.	ALL FARM PROPERTY.		LAND AND BUILDINGS.		IMPLEMENTS AND MACHINERY.		LIVE STOCK.	
	Value.	Percent of increase. <sup>1</sup>	Value.	Percent of increase. <sup>1</sup>	Value.	Percent of increase. <sup>1</sup>	Value.	Percent of increase. <sup>1</sup>
1920.....	\$222,736,620	53.2	\$159,117,159	41.3	\$21,224,130	108.8	\$42,385,331	87.2
1910.....	145,399,728	34.1	112,588,275	35.5	10,168,687	84.9	22,642,766	26.9
1900.....	108,451,427	6.5	83,071,620	3.3	7,538,490	59.3	17,841,317	7.2
1890.....	101,805,370	-22.2	80,427,490	-26.4	4,733,560	-3.0	16,644,320	0.4
1880.....	130,811,490	-3.0	109,346,010	-1.9	4,879,285	16.2	16,596,195	-13.2
1870.....	134,804,951	18.0	111,493,660	18.2	4,200,223	14.6	19,111,068	17.7
1860.....	114,166,989	45.0	94,289,045	48.8	3,665,955	33.8	16,241,989	28.5
1850.....	78,749,737	.....	63,367,227	.....	2,739,282	.....	12,643,228	.....

<sup>1</sup> A minus sign (—) denotes decrease.

<sup>2</sup> Computed gold values, being 80 per cent of the currency values reported.

TABLE 4.—AVERAGE ACREAGE AND AVERAGE VALUE PER FARM: 1850 TO 1920.

[Averages are based on "all farms" in the state.]

CENSUS YEAR.	AVERAGE ACREAGE PER FARM.		AVERAGE VALUE PER FARM.			
	All land.	Improved land.	All farm property.	Land and buildings.	Implements and machinery.	Live stock.
1920.....	145.7	58.2	\$7,661	\$5,473	\$730	\$1,458
1910.....	142.6	50.0	4,445	3,442	311	692
1900.....	142.7	64.2	3,276	2,509	228	539
1890.....	134.9	81.5	3,125	2,469	145	511
1880.....	137.5	92.5	3,683	3,078	137	467
1870.....	133.9	90.9	3,985	3,296	124	565
1860.....	135.5	89.5	3,619	2,988	116	515
1850.....	138.6	87.4	2,646	2,129	92	425

<sup>1</sup> Computed gold values, being 80 per cent of the currency values reported.

TABLE 5.—AVERAGE VALUE PER ACRE: 1850 TO 1920.

[Averages are based on "all land in farms" in the state.]

CENSUS YEAR.	All farm property.	Land and buildings.	Land alone.	Buildings alone.	Implements and machinery.	Live stock.
1920.....	\$52.58	\$37.56	\$19.58	\$17.98	\$5.01	\$10.01
1910.....	31.18	24.14	12.62	11.62	2.18	4.86
1900.....	22.96	17.58	9.70	7.89	1.60	3.73
1890.....	23.16	18.30	.....	.....	1.03	3.79
1880.....	26.79	22.40	.....	.....	1.00	3.40
1870.....	29.77	24.62	.....	.....	0.93	4.22
1860.....	26.72	22.06	.....	.....	0.86	3.80
1850.....	19.09	15.36	.....	.....	0.66	3.06

<sup>1</sup> Computed gold values, being 80 per cent of the currency values reported.

## FARMS BY SIZE.

TABLE 6.—NUMBER OF FARMS, BY SIZE: 1920 AND 1910.

SIZE GROUP.	NUMBER OF FARMS.		INCREASE. <sup>1</sup>		PER CENT OF TOTAL.	
	1920	1910	Number.	Percent.	1920	1910
Total.....	29,075	32,709	-3,634	-11.1	100.0	100.0
Under 20 acres.....	3,350	4,578	-1,228	-26.8	11.5	14.0
Under 3 acres.....	75	60	15	0.3	0.2	0.2
3 to 9 acres.....	1,731	2,581	-850	-32.9	6.0	7.9
10 to 19 acres.....	1,544	1,937	-393	-20.3	5.3	5.9
20 to 49 acres.....	2,924	3,481	-557	-16.0	10.1	10.6
50 to 99 acres.....	5,199	5,910	-711	-12.0	17.9	18.1
100 to 174 acres.....	5,777	9,452	-715	-7.5	30.2	29.0
175 to 499 acres.....	8,195	8,516	-320	-3.8	28.2	26.0
175 to 259 acres.....	5,081	5,194	-113	-2.2	17.5	15.9
260 to 499 acres.....	3,115	3,322	-207	-6.2	10.7	10.2
500 to 999 acres.....	544	607	-63	-10.4	1.9	1.9
1,000 acres and over.....	85	125	-40	-32.0	0.3	0.4

<sup>1</sup> A minus sign (-) denotes decrease. Per cent not shown when base is less than 100.

TABLE 7.—NUMBER OF FARMS AND PER CENT DISTRIBUTION, BY SIZE: 1880 TO 1920.

SIZE GROUP.	1920	1910	1900	1890	1880
Total number of farms.....	29,075	32,709	33,104	32,573	35,522
Under 10 acres.....	1,806	2,641	1,602	1,321	1,493
Under 3 acres.....	1,844	1,937	1,683	1,591	1,767
20 to 49 acres.....	2,924	3,481	3,511	3,505	3,973
50 to 99 acres.....	5,199	5,910	6,513	7,002	7,822
100 to 499 acres.....	16,978	18,008	19,158	18,689	19,785
500 to 999 acres.....	544	607	586	586	585
1,000 acres and over.....	85	125	101	69	97
Per cent of all farms.....	100.0	100.0	100.0	100.0	100.0
Under 10 acres.....	6.2	8.1	4.8	4.1	4.2
Under 3 acres.....	6.3	5.9	5.1	4.9	5.0
20 to 49 acres.....	10.1	10.6	10.6	10.8	11.2
50 to 99 acres.....	17.9	18.1	19.7	21.5	22.0
100 to 499 acres.....	58.4	55.1	57.9	57.4	55.7
500 to 999 acres.....	1.9	1.9	1.6	1.2	1.6
1,000 acres and over.....	0.3	0.4	0.3	0.2	0.3

TABLE 8.—FARM ACREAGE AND VALUE, BY SIZE OF FARM: 1920 AND 1910.

SIZE GROUP.	ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.	
	1920	1910	1920	1910	1920	1910
Total.....	4,235,811	4,663,577	1,691,595	1,633,965	\$159,117,159	\$112,588,275
Under 20 acres.....	31,742	40,250	23,447	29,952	7,768,711	7,622,142
Under 3 acres.....	96,673	112,129	51,948	58,092	8,249,831	7,038,230
50 to 99 acres.....	377,986	424,012	172,409	182,638	17,641,417	13,057,680
100 to 174 acres.....	1,150,485	1,238,117	490,186	480,120	43,420,913	29,253,559
175 to 499 acres.....	2,097,010	1,871,113	814,429	757,888	68,960,062	43,794,392
500 to 999 acres.....	327,288	371,849	107,338	95,940	8,724,370	6,114,666
1,000 acres and over.....	154,627	290,107	31,838	29,969	4,351,855	5,637,319

TABLE 9.—PER CENT OF FARM LAND IMPROVED, AND AVERAGE VALUES, BY SIZE OF FARM: 1920 AND 1910.

SIZE GROUP.	PER CENT OF FARM LAND IMPROVED.		AVERAGE VALUE OF LAND AND BUILDINGS.			
	1920	1910	Per farm.		Per acre.	
			1920	1910	1920	1910
Total.....	39.9	35.0	\$5,473	\$3,442	\$37.56	\$24.14
Under 20 acres.....	73.9	74.4	2,319	1,680	244.75	191.11
Under 3 acres.....	53.7	51.8	2,821	2,022	85.34	62.77
50 to 99 acres.....	45.6	43.1	3,338	2,209	46.67	30.80
100 to 174 acres.....	42.6	38.8	4,947	3,082	37.74	23.68
175 to 499 acres.....	38.8	34.7	8,414	5,143	32.88	20.02
500 to 999 acres.....	32.8	25.8	16,037	10,074	26.66	16.44
1,000 acres and over.....	20.6	10.1	51,198	45,099	28.14	19.45

## FARMS BY TENURE.

TABLE 10.—NUMBER OF FARMS, BY TENURE: 1920 AND 1910.

TENURE.	NUMBER OF FARMS.		INCREASE. <sup>1</sup>		PER CENT OF TOTAL.	
	1920	1910	Number.	Per cent.	1920	1910
Total.....	29,075	32,709	-3,634	-11.1	100.0	100.0
Owners.....	25,121	28,065	-2,944	-10.5	86.4	85.8
Owning entire farm.....	23,926	26,793	-2,867	-10.7	82.3	81.9
Hiring additional land.....	1,195	1,272	-77	-6.1	4.1	3.9
Managers.....	568	636	-68	-10.7	2.0	1.9
Tenants.....	3,386	4,008	-622	-15.5	11.6	12.3
Share tenants.....	1,621	1,642	-21	-1.3	5.6	5.0
Share-cash tenants.....	26	50	-24	0.1	0.2	0.2
Cash tenants.....	1,489	2,182	-693	-31.8	5.1	6.7
Unspecified.....	250	134	116	83.6	0.9	0.4

<sup>1</sup> A minus sign (-) denotes decrease. Per cent not shown when base is less than 100.

TABLE 11.—NUMBER OF FARMS AND PER CENT DISTRIBUTION, BY TENURE: 1880 TO 1920.

TENURE.	1920	1910	1900	1890	1880
Total number of farms.....	29,075	32,709	33,104	32,573	35,522
Farms operated by owners.....	25,121	28,065	27,689	27,816	30,780
Owning entire farm.....	23,926	26,793	26,296	( <sup>2</sup> )	( <sup>2</sup> )
Hiring additional land.....	1,195	1,272	1,373	( <sup>2</sup> )	( <sup>2</sup> )
Farms operated by managers.....	568	636	615	( <sup>2</sup> )	( <sup>2</sup> )
Farms operated by tenants.....	3,386	4,008	4,820	4,757	4,762
Share tenants.....	1,621	1,642	2,396	2,456	2,598
Share-cash tenants.....	26	50			
Cash tenants.....	1,489	2,182	2,424	2,301	2,164
Unspecified.....	250	134			
Per cent of all farms.....	100.0	100.0	100.0	100.0	100.0
Operated by owners.....	86.4	85.8	83.6	85.4	86.6
Owning entire farm.....	82.3	81.9	79.4	( <sup>2</sup> )	( <sup>2</sup> )
Hiring additional land.....	4.1	3.9	4.1	( <sup>2</sup> )	( <sup>2</sup> )
Operated by managers.....	2.0	1.9	1.9	( <sup>2</sup> )	( <sup>2</sup> )
Operated by tenants.....	11.6	12.3	14.6	14.6	13.4
Share and share-cash.....	5.7	5.2	7.2	7.5	7.3
Cash and unspecified.....	6.0	7.1	7.3	7.1	6.1

<sup>1</sup> Includes farms operated by managers.

<sup>2</sup> Not reported separately.

<sup>3</sup> Included with farms operated by owners.

TABLE 12.—FARM ACREAGE AND VALUE, BY TENURE: 1920 AND 1910.

TENURE.	ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.	
	1920	1910	1920	1910	1920	1910
Total.....	4,235,811	4,663,577	1,691,595	1,633,965	\$159,117,159	\$112,588,275
Owners.....	3,820,899	3,816,498	1,387,502	1,321,497	126,689,877	88,556,017
Managers.....	150,197	208,938	55,982	52,584	9,611,978	7,926,085
Tenants.....	564,715	638,141	248,131	259,884	22,816,304	16,096,173

TABLE 13.—PER CENT DISTRIBUTION OF FARMS AND OF FARM ACREAGE AND VALUE, BY TENURE: 1920 AND 1910.

TENURE.	NUMBER OF FARMS.		ALL LAND IN FARMS.		IMPROVED LAND IN FARMS.		VALUE OF LAND AND BUILDINGS.	
	1920	1910	1920	1910	1920	1910	1920	1910
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	86.4	85.8	83.1	81.8	82.0	80.9	79.8	78.7
Managers.....	2.0	1.9	3.5	4.5	3.3	3.2	6.0	7.0
Tenants.....	11.6	12.3	13.3	13.7	14.7	15.9	14.3	14.3

TABLE 14.—AVERAGE ACREAGE, PER CENT OF FARM LAND IMPROVED, AND AVERAGE VALUES, BY TENURE: 1920 AND 1910.

TENURE.	AVERAGE ACREAGE PER FARM.				PER CENT OF FARM LAND IMPROVED.		AVERAGE VALUE OF LAND AND BUILDINGS.			
	All land.		Improved land.		1920	1910	Per farm.		Per acre.	
	1920	1910	1920	1910			1920	1910	1920	1910
Total.....	145.7	142.6	58.2	50.0	39.9	35.0	\$5,473	\$3,442	\$37.56	\$24.14
Owners.....	140.2	130.0	55.2	47.1	39.4	34.6	5,043	3,150	35.98	23.21
Managers.....	264.4	328.5	98.5	82.7	37.3	25.2	10,922	12,462	64.00	37.94
Tenants.....	166.8	159.2	73.3	64.8	43.9	40.7	6,739	4,016	40.41	25.22

### FARMS BY SEX, RACE, AND NATIVITY OF FARMER.

TABLE 15.—NUMBER, ACREAGE, AND VALUE OF FARMS, CLASSIFIED BY SEX AND TENURE OF FARMER: 1920.

SEX AND TENURE.	Number of farms.	All land in farms (acres).	Improved land in farms (acres).	Value of land and buildings.	AVERAGE PER FARM.		
					All land (acres).	Improved land (acres).	Value of land and buildings.
Total.....	29,075	4,235,811	1,691,595	\$159,117,159	145.7	58.2	\$5,473
Male.....	27,884	4,110,589	1,643,165	154,208,890	147.6	58.9	5,533
Female.....	1,191	119,222	48,430	4,848,269	100.1	40.7	4,071
Owners.....	25,121	3,520,899	1,337,502	126,686,877	140.2	55.2	5,043
Male.....	23,972	3,405,466	1,340,516	121,987,088	142.1	55.9	5,089
Female.....	1,149	115,433	46,986	4,699,789	100.5	40.9	4,000
Managers.....	568	150,197	55,962	9,611,978	264.4	98.5	16,922
Male.....	562	149,810	55,651	9,580,828	260.4	99.0	17,048
Female.....	6	507	311	31,150	84.5	51.8	5,192
Tenants.....	3,386	564,715	248,131	22,818,304	168.8	73.3	6,739
Male.....	3,350	561,433	246,998	22,700,974	167.6	73.7	6,778
Female.....	36	3,282	1,133	117,330	91.2	31.5	3,250

TABLE 16.—NUMBER, ACREAGE, AND VALUE OF FARMS, CLASSIFIED BY NATIVITY OF WHITE FARMERS AND BY RACE OF COLORED FARMERS: 1920 AND 1910.

COLOR AND NATIVITY OR RACE.	NUMBER OF FARMS.		LAND IN FARMS, 1920 (ACRES).		Value of land and buildings, 1920
	1920	1910	Total.	Improved.	
All farmers.....	29,075	32,709	4,235,811	1,691,595	\$159,117,159
White farmers.....	29,047	32,689	4,231,361	1,690,173	159,000,434
Native.....	25,280	28,008	3,074,319	1,449,131	137,568,983
Foreign-born.....	3,767	3,721	557,042	241,042	21,431,451
Country of birth:					
Canada.....	2,063	2,403	410,702	190,042	16,747,781
England.....	182	210	21,009	8,472	733,475
Germany.....	98	102	10,501	4,287	476,550
Ireland.....	199	403	24,284	9,471	897,200
Scotland.....	95	118	11,380	4,403	495,950
Sweden.....	78	61	10,637	3,218	345,060
Other countries.....	451	304	61,809	21,039	1,735,485
Colored farmers.....	28	20	4,450	1,422	118,725
Negro.....	28	20	4,450	1,422	116,725

<sup>1</sup> Includes farmers with country of birth not reported, as follows: For 1920, 328; for 1910, 46.

TABLE 17.—NUMBER OF FARMERS, CLASSIFIED BY TENURE, COLOR, AND NATIVITY: 1920 AND 1910.

TENURE.	ALL FARMERS.		NATIVE WHITE. <sup>1</sup>		FOREIGN-BORN WHITE.		COLORED.	
	1920	1910	1920	1910	1920	1910	1920	1910
Total.....	29,075	32,709	25,280	28,968	3,767	3,721	28	20
Owners.....	25,121	28,065	21,719	24,789	3,381	3,259	21	17
Managers.....	568	636	509	576	59	59	3	1
Tenants.....	3,386	4,008	3,055	3,603	327	403	4	2

<sup>1</sup> Includes farmers with country of birth not reported.

### FARM MORTGAGES.

TABLE 18.—MORTGAGED FARMS: 1920 AND 1910.

[Owned farms only; includes all farms owned in whole or in part by the operator.]

CLASS.	NUMBER OF OWNED FARMS.		INCREASE. <sup>1</sup>		PER CENT OF TOTAL.	
	1920	1910	Number.	Per cent.	1920	1910
Total.....	25,121	28,065	-2,944	-10.5	100.0	100.0
Free from mortgage.....	12,132	14,851	-2,719	-18.3	48.3	52.9
Mortgaged.....	12,225	13,140	-915	-7.0	48.7	46.8
Unknown.....	764	74	690	.....	3.0	0.3

<sup>1</sup> A minus sign (—) denotes decrease. Per cent not shown when base is less than 100. The comparative figures shown for farms free from mortgage and mortgaged are affected somewhat by the fact that more farms were tabulated as "unknown" in 1920 than in 1910.

TABLE 19.—MORTGAGED FARMS (OR FARM HOMES): 1890 TO 1920.

CLASS.	OWNED FARMS.		OWNED FARM HOMES.		PER CENT OF TOTAL.			
	1920	1910	1900	1890	1920	1910	1900	1890
Total.....	25,121	28,065	27,252	26,835	100.0	100.0	100.0	100.0
Free from mortgage.....	12,132	14,851	14,151	14,935	48.3	52.9	51.9	55.7
Mortgaged.....	12,225	13,140	12,493	11,900	48.7	46.8	45.8	44.3
Unknown.....	764	74	808	.....	3.0	0.3	2.2	.....

TABLE 20.—MORTGAGE DEBT: 1920 AND 1910.

ITEM.	OWNED FARMS MORTGAGED. <sup>1</sup>		INCREASE. <sup>1</sup>	
	1920	1910	Amount.	Per cent.
Number of farms reporting amount of debt.....	11,504	12,138	—634	—5.2
Value of land and buildings.....	\$81,070,552	\$36,858,501	\$24,212,051	65.7
Amount of mortgage debt.....	\$23,676,778	\$12,436,081	\$11,130,687	89.6
Ratio of debt to value, per cent.....	38.0	33.7	.....	.....
Average rate of interest paid, per cent.....	5.4	.....	.....	.....
Average value per farm.....	\$5,309	\$3,037	\$2,272	74.8
Average debt per farm.....	\$2,049	\$1,025	\$1,024	99.9
Average equity per farm.....	\$3,259	\$2,012	\$1,247	62.0

<sup>1</sup> Includes only farms consisting wholly of owned land and reporting amount of debt. In considering the comparative figures, it should be borne in mind that the mortgage debt may have been more completely reported at one census than at the other.

<sup>2</sup> A minus sign (—) denotes decrease.

### FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED.

TABLE 21.—FARMS REPORTING EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919 AND 1909.

ITEM.	NUMBER OF FARMS REPORTING.		INCREASE. <sup>1</sup>		PER CENT OF ALL FARMS.	
	1919	1909	Number.	Per cent.	1919	1909
Labor.....	18,171	21,810	—3,639	—16.7	62.5	66.7
Fertilizer.....	14,608	19,033	—4,465	—23.5	50.1	58.2
Feed.....	25,389	26,332	—943	—3.6	87.3	80.5

<sup>1</sup> A minus sign (—) denotes decrease.

TABLE 22.—AMOUNT OF EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919 AND 1909.

ITEM.	AMOUNT EXPENDED.		INCREASE.	
	1919	1909	Amount.	Per cent.
Labor, total.....	\$7,712,305	\$4,748,003	\$2,964,302	62.4
Amount in cash.....	5,788,688	3,579,799	2,208,789	61.7
Value of rent and board furnished.....	1,923,717	1,168,204	755,513	64.7
Fertilizer.....	857,273	570,752	286,521	50.2
Feed.....	11,070,666	4,758,703	6,311,953	132.6

## LIVE STOCK ON FARMS AND ELSEWHERE.

(DOMESTIC ANIMALS, POULTRY, AND BEES.)

**Domestic animals: 1920 and 1910.**—The census of 1920 was taken as of January 1 and that of 1910 as of April 15. Since a great many domestic animals are born during the period between January 1 and April 15 and, on the other hand, a considerable number of older animals are slaughtered or die during the same period, the numbers of the different classes of animals for the two censuses are not fully comparable. In addition to the change in the date of enumeration, there have been certain changes in the age and sex classifications. The 1910 figures presented in the following tables are therefore restricted to those classes of domestic animals which are least affected by these changes and for which the figures are fairly comparable with the 1920 returns.

**Dairy cows: 1920 and 1910.**—In 1910 the census called for "cows and heifers kept for milk" and "cows and heifers *not* kept for milk." The instructions read: "Report as cows kept for milk those whose milk is used in some form for human food. Cows milked for three months during the year should be reported as *kept for milk*, although a part of the year they run with their calves."

In 1920 the census called for "dairy cattle" and "beef cattle." Dairy cattle were defined as those "kept mainly for milk production," and the following instructions were given the enumerators: "Classify all cattle as beef cattle or as dairy cattle according to the principal purpose for which they are kept." It is believed that under this rule the fully established dairy and beef breeds have been properly reported, with few errors, and that cattle of the dual-purpose breeds or of no definite breeding have been placed in one class or the other, according to the principal purpose for which they are kept.

In states where cattle are raised extensively for beef production the result of this new classification will be to reduce materially the proportion of cows classified as dairy cows, and even in states having few strictly beef cattle the 1920 classification may be expected to give a somewhat smaller proportion of dairy cows than the 1910 classification.

In Vermont, however, notwithstanding this change of classification, the number of dairy cows, including heifers 1 year old and over, reported for January 1, 1920, namely, 345,643, shows an increase of 80,160, or 30.2 per cent, as compared with 265,483 cows reported as "kept for milk" on April 15, 1910, thus indicating a decided trend toward the dairy industry.

On the other hand, the 4,242 beef cows reported in 1920 represent a decrease of 23,370, or 84.6 per cent, as compared with 27,612 cows reported in 1910 as "not kept for milk."

**Farms reporting domestic animals: 1910.**—Horses were reported by 28,147 farms in Vermont in 1910, mules by 206 farms, cattle by 28,271, sheep by 5,033, and swine by 17,995. In comparing these figures with the 1920 figures given in the table below, due allowance should be made for the fact that the total number of farms in Vermont decreased from 32,709 in 1910 to 29,075 in 1920.

TABLE 23.—DOMESTIC ANIMALS ON FARMS: 1920.

CLASS.	FARMS REPORTING.		ANIMALS.		
	Num-ber.	Per cent of all farms.	Num-ber.	Value.	Average value.
<b>Total</b> .....	27,269	93.8	.....	\$41,151,827	.....
<b>Horses, total</b> .....	25,789	88.7	77,231	10,421,141	\$134.93
Colts under 1 year of age.....	1,770	6.1	2,250	156,158	69.40
Colts 1 year old and under 2 years.....	1,856	6.4	2,272	196,946	86.68
Mares 2 years old and over.....	17,502	60.2	31,740	4,353,066	137.15
Geldings 2 years old and over.....	20,297	69.8	40,335	5,554,831	137.72
Stallions 2 years old and over.....	526	1.8	634	100,140	252.59
<b>Mules, total</b> .....	305	1.0	601	91,916	152.94
Mule colts under 1 year of age.....	16	0.1	23	1,944	84.52
Mule colts 1 year old and under 2 years.....	27	0.1	34	4,325	127.21
Mules 2 years old and over.....	280	1.0	544	85,647	157.44
<b>Asses and burros</b> .....	19	0.1	27	2,460	91.11
<b>Cattle, total</b> .....	26,050	89.6	435,480	28,502,803	65.45
<b>Beef cattle, total</b> .....	3,178	10.9	14,200	908,462	63.84
Calves under 1 year of age.....	790	2.7	2,501	61,289	24.51
Heifers 1 year old and under 2 years.....	337	1.2	1,023	43,271	42.30
Cows and heifers 2 years old and over.....	610	2.1	3,219	235,130	73.04
Steers 1 year old and under 2 years.....	900	3.1	2,598	123,599	48.13
Steers 2 years old and over.....	1,404	5.0	4,347	403,561	92.54
Bulls 1 year old and over.....	423	1.6	542	39,612	73.08
<b>Dairy cattle, total</b> .....	25,738	88.5	421,280	27,596,341	65.51
Calves under 1 year of age.....	17,052	58.6	64,147	1,426,477	22.24
Heifers 1 year old and under 2 years.....	15,329	52.7	55,521	2,211,034	39.82
Cows and heifers 2 years old and over.....	25,336	87.1	290,122	23,027,209	79.37
Bulls 1 year old and over.....	9,882	34.0	11,490	931,621	81.08
<b>Sheep, total</b> .....	3,051	10.5	62,756	723,683	11.53
Lambs under 1 year of age.....	1,850	6.4	12,040	123,846	9.57
Ewes 1 year old and over.....	2,754	9.5	47,088	550,987	11.53
Rams 1 year old and over.....	1,341	4.6	1,895	35,703	18.84
Wethers 1 year old and over.....	116	0.4	833	7,147	8.58
<b>Goats, total</b> .....	46	0.2	124	2,414	19.47
Kids under 1 year of age, raised for fleeces.....	12	( <sup>1</sup> )	26	307	15.27
Goats 1 year old and over, raised for fleeces.....	18	0.1	61	1,493	24.48
All other goats.....	23	0.1	37	524	14.16
<b>Swine, total</b> .....	17,556	60.4	72,761	1,407,410	19.34
Pigs under 6 months old.....	12,298	42.3	46,386	556,351	11.99
Sows and gilts for breeding, 6 months old and over.....	5,965	20.5	10,779	380,928	35.34
Boars for breeding, 6 months old and over.....	981	3.4	1,087	37,920	34.89
All other hogs, 6 months old and over.....	5,650	19.4	14,509	432,211	29.79

<sup>1</sup>Less than one-tenth of 1 per cent.

TABLE 24.—POULTRY AND BEES ON FARMS: 1920 AND 1910.

ITEM.	FARMS REPORTING, 1920.		NUMBER REPORTED. <sup>1</sup>		Value, 1920	Average value, 1920
	Number.	Per cent of all farms.	1920 (Jan. 1)	1910 (Apr. 15)		
Poultry, total.....	24,704	85.0	815,085	938,524	\$1,167,717	\$1.43
Chickens.....	24,451	84.1	799,797	911,730	1,120,247	1.40
Turkeys.....	1,032	3.5	5,514	11,693	30,757	5.58
Ducks.....	1,068	3.7	4,511	4,561	7,142	1.58
Geese.....	498	1.7	1,813	2,505	6,710	3.70
Guinea fowls.....	550	1.9	2,062	3,742	2,182	1.06
Pigeons.....	121	0.4	1,388	4,232	679	0.49
Hives of bees.....	1,038	3.6	10,024	10,215	65,787	6.56

<sup>1</sup>The numbers of the different classes of poultry are not strictly comparable for the two censuses, since a considerable number of fowls are killed between Jan. 1 and Apr. 15.  
<sup>2</sup>Includes small numbers of peafowls and pheasants.

TABLE 25.—SELECTED CLASSES OF DOMESTIC ANIMALS ON FARMS: 1920 AND 1910.

CLASS.	NUMBER.		INCREASE. <sup>1</sup>	
	1920 (Jan. 1)	1910 (Apr. 15)	Number.	Per cent.
<b>Horses:</b>				
Total, excluding spring colts reported for 1910.....	77,231	80,556	-3,325	-4.1
Colts under 1 year old on Jan. 1 of census year.....	2,250	3,513	-1,263	-36.0
Horses 1 year old and over on Jan. 1 of census year.....	74,981	77,043	-2,062	-2.7
<b>Mules:</b>				
Total, excluding spring colts reported for 1910.....	601	428	173	40.4
Mule colts under 1 year old on Jan. 1 of census year.....	23	23	-----	-----
Mules 1 year old and over on Jan. 1 of census year.....	578	405	173	42.7
<b>Cattle:</b>				
Total, excluding spring calves reported for 1910.....	435,480	302,741	72,739	20.1
Calves under 1 year old on Jan. 1 of census year.....	66,648	56,422	10,226	18.1
Cows and heifers 1 year old and over on Jan. 1 of census year.....	349,885	203,095	56,790	19.4
Steers and bulls 1 year old and over on Jan. 1 of census year.....	18,947	13,224	5,723	43.3
<b>Sheep:</b>				
Total, excluding spring lambs reported for 1910.....	62,756	84,360	-21,604	-25.6

<sup>1</sup> A minus sign (—) denotes decrease.

TABLE 26.—DOMESTIC ANIMALS NOT ON FARMS: 1920 AND 1910.

CLASS.	INCLOSURES REPORTING.		ANIMALS.			
	1920 (Jan. 1)	1910 (Apr. 15)	Number.		Increase. <sup>1</sup>	
	1920 (Jan. 1)	1910 (Apr. 15)	1920 (Jan. 1)	1910 (Apr. 15)	Number.	Per cent.
Total.....	10,171	12,095	-----	-----	-----	-----
<b>Horses.</b>						
Horses 1 year old and over on Jan. 1 of census year.....	7,007	9,867	12,733	18,806	-6,073	-32.3
			12,636	18,600	-5,973	-32.1
<b>Mules.</b>						
Mules 1 year old and over on Jan. 1 of census year.....	65	48	268	192	76	39.6
			266	192	74	38.5
<b>Asses and burros.</b>						
		1	-----	2	-----	-----
<b>Cattle.</b>						
Cattle 1 year old and over on Jan. 1 of census year.....	4,096	4,088	7,940	5,876	2,064	35.1
			7,200	5,141	2,058	40.2
<b>Sheep.</b>						
Goats.....	66	49	395	201	194	66.5
Swine.....	30	13	52	20	32	-----
	2,810	1,660	6,374	3,522	2,852	81.0

<sup>1</sup> A minus sign (—) denotes decrease. Per cent not shown when base is less than 100.

TABLE 27.—TOTAL NUMBER OF DOMESTIC ANIMALS: 1920.

CLASS.	Total.	On farms.	Not on farms.
Horses.....	89,064	77,231	12,733
Horses 2 years old and over.....	85,194	72,709	12,485
Mules.....	809	601	268
Mules 2 years old and over.....	801	544	267
Asses and burros.....	27	27	-----
Cattle.....	443,420	435,480	7,940
Beef cattle.....	14,859	14,200	659
Dairy cattle.....	428,561	421,280	7,281
Dairy cows.....	296,001	290,122	5,879
Sheep.....	63,151	62,756	395
Goats.....	178	124	52
Swine.....	79,135	72,761	6,374

### LIVE-STOCK PRODUCTS.

Farm value of live-stock products: 1919 and 1909.—

The Thirteenth Census schedule called for the total value as well as the total quantity of all live-stock products, whether sold or consumed on the farm. The 1909 values are therefore based directly on the reported figures. But in the Fourteenth Census schedule the question as to value in the case of dairy products, eggs, and chickens was restricted to the amounts sold. The 1919 value of butter made on farms has been computed on the basis of the average value received per pound for butter sold; the values of eggs produced and chickens raised have been computed in a similar way. The values of cheese made on farms and of honey and wax produced have been computed on the basis of average values per pound secured through the Bureau of Crop Estimates of the Department of Agriculture. The method of obtaining these average values was the same as that used for securing average values for the important crops, which is described in a later paragraph.

Dairy products.—It is difficult to secure reports of the total quantity of milk produced during a given year, especially from farmers who keep cows chiefly to supply milk and butter for family use. Since such farmers usually keep no records, they are able to make only rough estimates of the milk production and frequently underestimate the quantity of milk produced for home use. Many farmers, too, either because they are unwilling to make any estimates or for other reasons, fail to report their milk production, even though they report butter or other dairy products as well as dairy cows.

For several decades past the Bureau of the Census has made estimates for such incomplete reports, where the farmer reported "cows kept for milk" but failed to report the amount of milk produced, these estimates being based on the average production per cow as shown by the complete reports. Since farmers with first-class dairy herds and up-to-date methods are more likely to make complete reports than those with cows of a lower grade, the estimates obtained in this way have probably been somewhat above the actual production. With the new basis of classification for dairy cows in

use for 1920, however, as already noted, the estimates should be more satisfactory than heretofore, since milk will be estimated only for cows kept mainly for milk production.

In the table which follows, both the actual reported quantity of milk produced and the estimated total are given. The latter includes, in addition to the milk reported, an estimate of the amount of milk produced on farms which reported dairy cows but failed to report any milk. A certain quantity of milk, on the other hand, was reported from farms which reported no dairy cows. This is included in the total and may represent either milk produced by beef cows milked a part of the year on farms having no dairy cows or milk produced on farms which kept dairy cows some time during the year 1919 but had none on January 1, 1920. It may be safely assumed that the returns for butter and cheese made on farms and for milk, cream, butter fat, and butter sold are much more nearly complete than in the case of milk produced. Hence no estimates have been made for these items.

TABLE 28.—DAIRY COWS ON FARMS, 1920; AND DAIRY PRODUCTS, 1919 AND 1909.

ITEM.	FARMS REPORTING.		Number or quantity.	Unit.	Value.
	Num-ber.	Per cent of all farms.			
Dairy cows on farms Jan. 1, 1920, total.....	25,336	87.1	290,122	Head.....	
On farms reporting milk produced.....	21,916	75.4	256,364	Head.....	
On farms not reporting milk produced.....	3,420	11.8	33,758	Head.....	
Average production of milk per dairy cow, 1919 <sup>1</sup> .....			414	Gals.....	
Specified dairy products:					
Milk, as reported..... 1919.....			108,119,922	Gals.....	
..... 1909.....			114,317,169	Gals.....	
Increase, 1909-1919 <sup>2</sup> .....			-6,197,247	Gals.....	
Per cent of increase <sup>3</sup> .....			-5.4		
Total production of milk, including estimates..... 1919.....			122,095,734	Gals.....	
Butter made..... 1919.....	8,780	30.2	3,877,039	Lbs.....	\$2,301,869
..... 1909.....	15,102	46.2	15,165,692	Lbs.....	\$4,185,028
Cheese made..... 1919.....	69	0.2	75,502	Lbs.....	\$27,182
..... 1909.....	88	0.3	245,884	Lbs.....	\$32,583
Milk sold..... 1919.....	10,570	36.4	55,319,390	Gals.....	\$15,581,083
..... 1909.....	7,540	23.1	33,998,934	Gals.....	\$4,108,228
Cream sold..... 1919.....	1,737	6.0	928,843	Gals.....	\$1,264,839
..... 1909.....	2,988	9.1	2,353,686	Gals.....	\$1,537,698
Butter fat sold..... 1919.....	9,145	31.5	13,072,731	Lbs.....	\$8,032,796
..... 1909.....	4,780	14.6	7,766,395	Lbs.....	\$3,264,928
Butter sold..... 1919.....	4,629	15.9	2,954,634	Lbs.....	\$1,755,992
..... 1909.....	10,814	38.1	12,892,124	Lbs.....	\$3,559,314
Value of milk, cream, and butter fat sold, and of butter and cheese made <sup>4</sup> ..... 1919.....					\$27,207,813
..... 1909.....					\$12,128,465
Increase, 1909-1919.....					\$15,079,348
Per cent of increase.....					124.3
Receipts from sale of dairy products <sup>5</sup> ..... 1919.....					\$26,634,760
..... 1909.....					\$11,501,577
Increase, 1909-1919.....					\$15,133,183
Per cent of increase.....					131.6

<sup>1</sup> Based on the 1919 milk production as reported for dairy cows, and the number of dairy cows on hand Jan. 1, 1920.

<sup>2</sup> A minus sign (-) denotes decrease.

<sup>3</sup> This item represents the total farm value of dairy products, excluding milk and cream consumed as such on the farm where produced.

<sup>4</sup> Figures for 1919 do not include "cheese sold," as that item was not reported for 1919. The value of cheese sold in 1909 was \$31,409.

TABLE 29.—SHEEP ON FARMS, 1920 AND 1910; GOATS ON FARMS, 1920; AND WOOL AND MOHAIR PRODUCED, 1919 AND 1909.

ITEM.	Farms reporting.	Number of sheep (or goats) on hand.	WOOL (OR MOHAIR) PRODUCED.		
			Number of animals shorn.	Weight (pounds).	Value.
Sheep on farms Jan. 1, 1920, total.....	3,051	62,756			
On farms reporting wool.....	2,357	57,477			
On farms not reporting wool.....	694	5,279			
Sheep of shearing age <sup>1</sup> on farms Apr. 15, 1910.....	4,844	84,360			
Wool produced, as reported, total..... 1919.....	2,466		54,378	395,356	\$235,648
On farms reporting sheep.....	2,357		52,461	382,708	\$228,371
On farms not reporting sheep.....	109		1,915	12,648	\$7,271
Total production of wool, including estimates..... 1919.....				417,955	\$250,773
..... 1909.....				625,722	\$192,002
Increase, 1909-1919 <sup>2</sup> .....				-207,767	\$58,771
Per cent of increase <sup>3</sup> .....				-33.2	30.6
Goats raised for fleeces, on farms Jan. 1, 1920.....	23	87			
Mohair produced, as reported, total..... 1919.....	9		76	353	\$204
..... 1909.....	14			471	\$136

<sup>1</sup> Sheep born before Jan. 1, 1910.

<sup>2</sup> A minus sign (-) denotes decrease.

TABLE 30.—CHICKENS (OR FOWLS) ON FARMS, 1920 AND 1910; AND POULTRY PRODUCTS, 1919 AND 1909.

[The products shown for 1919 include chicken eggs and chickens only, while the 1909 figures include the products of all kinds of poultry.]

ITEM.	FARMS REPORTING.		Number or quantity.	Value.
	Num-ber.	Per cent of all farms.		
Chickens on farms Jan. 1, 1920, total.....	24,451	84.1	Number. 799,797	
On farms reporting eggs produced.....	21,060	72.4	713,974	
On farms reporting chickens raised.....	16,416	56.5	601,563	
Fowls on farms Apr. 15, 1910.....	27,523	84.2	938,524	
Eggs produced, as reported..... 1919.....	21,278	73.2	Dozens. 4,650,695	\$2,488,720
Total production of eggs, including estimates..... 1919.....			5,166,689	2,738,345
..... 1909.....			7,037,082	1,715,221
Eggs sold, as reported..... 1919.....	17,372	59.7	3,094,170	1,661,695
..... 1909.....	21,432	65.5	4,451,120	1,092,578
Chickens raised, as reported..... 1919.....	16,583	57.1	Number. 770,583	986,179
Total chickens raised, including estimates..... 1919.....			1,015,742	1,300,150
..... 1909.....			1,282,524	759,362
Chickens sold, as reported..... 1919.....	10,318	35.5	336,730	420,924
..... 1909.....	14,933	45.7	579,614	387,410

TABLE 31.—BEES ON FARMS, 1920 AND 1910; AND HONEY AND WAX PRODUCED, 1919 AND 1909.

ITEM.	Farms reporting.	Hives of bees.	PRODUCT.	
			Quantity (pounds).	Value.
Bees on farms Jan. 1, 1920, total.....	1,038	10,024		
On farms reporting honey.....	692	8,727		
On farms not reporting honey.....	346	1,297		
Bees on farms Apr. 15, 1910.....	1,124	10,215		
Honey produced..... 1919.....	705		234,326	\$74,985
..... 1909.....	747		160,283	25,351
Wax produced..... 1919.....			2,137	1,070
..... 1909.....			2,899	815



CROPS.

Summary: 1919 and 1909.—This section summarizes the census data relative to all of the farm crops of 1919 and 1909, except that it does not include nursery or greenhouse products or forest products of farms.

In comparing one year with another it should be borne in mind that the acreage of crops (or the number of fruit trees) and the number of farms reporting are on the whole a better index of the general changes

or tendencies in agriculture than either the quantity or the value of the crops, since variations in quantity may be due mainly to favorable or unfavorable seasons, and variations in the value of the crops may result largely from changes in prices.

The combined acreage of crops in Vermont in 1919 for which the acreage was reported was 1,143,304 acres, which represents 67.6 per cent of the total improved land in farms (1,691,595 acres). The crop acreage reported for 1909 was 1,203,735, or 73.7 per cent of the improved land in farms (1,633,965 acres).

TABLE 32.—SUMMARY FOR ALL CROPS: 1919 AND 1909.

CROP.	FARMS REPORTING.				ACRES HARVESTED.			PRODUCTION.						
	Number.		Per cent of all farms.		1919	1909	Per cent of increase. <sup>1</sup>	Quantity.				Value.		
	1919	1909	1919	1909				Unit.	1919	1909	Per cent of increase. <sup>1</sup>	1919	1909	Per cent of increase.
All crops.....					1,143,304	1,203,735	-5.0					\$47,999,800	\$23,697,700	102.5
With acreage reports.....												40,624,640	21,787,708	86.0
With no acreage reports.....												7,474,960	1,909,992	291.4
Cereals, total.....					133,621	134,611	-0.7	Bu.....	3,916,959	4,351,467	-10.0	5,171,758	2,651,877	95.0
Corn.....	8,888	13,761	30.6	42.1	21,186	42,887	-50.6	Bu.....	937,375	1,715,133	-45.3	1,087,275	1,102,222	53.1
Oats.....	14,389	12,581	49.5	38.5	83,097	71,510	16.2	Bu.....	2,396,349	2,141,357	11.9	2,396,349	1,169,223	105.0
Wheat.....	5,702	360	19.6	1.1	11,276	678		Bu.....	176,003	14,087		404,808	14,279	
Emmer and spelt.....	60	50	0.2	0.2	313	176	77.8	Bu.....	7,074	4,799	47.4	14,148	3,767	275.6
Barley.....	3,160	3,569	10.9	10.9	8,594	10,586	-18.8	Bu.....	196,815	285,008	-30.9	344,431	225,803	52.5
Rye.....	206	278	0.7	0.8	527	1,115	-52.7	Bu.....	6,942	16,689	-58.4	13,190	14,533	-9.2
Buckwheat.....	2,017	3,573	7.0	10.9	4,330	7,659	-43.5	Bu.....	81,346	174,394	-53.4	150,481	122,050	23.3
Mixed crops <sup>2</sup> .....	576		2.0		4,298			Bu.....	115,055			161,076		
Other grains and seeds with acreage reports, total <sup>3</sup> .....					3,914	2,519	55.4	Bu.....	48,185	27,646	74.2	271,071	75,003	261.4
Dry edible beans.....	2,860	2,752	9.8	8.4	3,696	2,390	54.6	Bu.....	45,696	26,359	73.4	280,468	72,873	257.4
Soy beans.....	97		0.3		90			Bu.....	639			2,556		
Dry peas.....	111	121	0.4	0.4	120	127	-5.5	Bu.....	1,767	1,262	40.0	7,775	2,092	271.7
Seeds with no acreage reports, total <sup>4</sup> .....								Bu.....	657	601	9.3	8,095	4,208	92.4
Red clover seed.....	14	4	(9)	(9)				Bu.....	80	8		2,320	51	
Timothy seed.....	75	92	0.3	0.3				Bu.....	444	572	-22.4	3,103	1,429	117.5
Hay and forage, total <sup>5</sup> .....	28,183	31,924	96.9	97.6	991,757	1,030,625	-4.5	Tons.....	1,748,358	1,502,780		23,581,464	16,335,892	82.5
All tame or cultivated grasses.....					895,086	937,049	-4.5	Tons.....	1,163,703	988,781	17.7	24,050,999	13,669,115	29.9
Timothy alone.....	5,304	7,201	18.6	22.0	113,469	102,422	-30.1	Tons.....	147,613	179,847	-17.9	3,321,296	2,557,309	29.9
Timothy and clover mixed.....	20,834	21,240	71.7	64.9	626,541	567,016	10.5	Tons.....	857,575	628,098	36.5	18,866,850	8,910,372	111.7
Clover alone.....	657	680	2.3	2.1	5,580	4,136	34.9	Tons.....	9,958	6,640	50.0	214,100	89,449	139.4
Alfalfa.....	452	100	1.6	0.8	1,765	252	600.4	Tons.....	3,914	515	660.0	90,022	8,147	
Other tame grasses <sup>6</sup> .....	6,088		23.9		147,731	203,223	-27.3	Tons.....	144,643	173,681	-10.7	2,458,931	2,103,838	16.9
Wild, salt, or prairie grasses.....	948	1,134	3.3	3.5	12,771	13,951	-8.5	Tons.....	18,146	13,052	0.7	164,329	124,887	31.6
Small grains cut for hay.....	5,226		18.0		17,234			Tons.....	32,586			570,257		
Annual legumes cut for hay.....	185		0.6		1,275			Tons.....	1,805			28,880		
Silage crops.....	7,440		25.6		40,872			Tons.....	475,161			3,088,540		
Corn cut for forage <sup>7</sup> .....	4,577		15.7		12,347			Tons.....	51,850			518,500		
Kafir, sorghum, etc., for forage.....	47		0.2		67			Tons.....	177			1,770		
Root crops for forage.....	423		1.5		2,605			Tons.....	9,930	861		258,180	7,680	
Vegetables, total.....	24,581	27,848	84.5	85.1	24,182	26,850	-10.0	Bu.....	2,277,387	4,145,680	-45.1	7,387,254	2,615,299	182.5
Potatoes (Irish or white).....		2	(6)					Bu.....		132		5,010,252	1,743,049	187.4
Sweet potatoes and yams.....	1,555	20,048	5.3	82.4	1,905	8,548		Bu.....				260,441	872,183	
Other vegetables <sup>8</sup> .....	25,220		86.8					Bu.....				2,116,561		
Farm garden <sup>9</sup> .....								Bu.....						
Miscellaneous crops, total <sup>10</sup> .....								Bu.....						
Tobacco.....	55	45	0.2	0.1	78	103	-24.3	Lbs.....	120,210	164,680	-27.0	3,622,443	1,104,540	228.0
Maple sugar and sirup.....	10,340	10,066	35.6	30.8				Lbs.....				42,074	17,416	141.6
								Lbs.....				3,580,369	1,086,933	229.4
Fruits, total.....								Qts.....						
Small fruits.....	3,657		12.6		694	469	48.0	Qts.....	749,032	826,122	-9.8	1,957,515	910,881	114.9
Other fruits.....								Qts.....				187,580	92,030	103.8
								Qts.....				1,769,935	818,851	116.1

<sup>1</sup> A minus sign (—) denotes decrease. Per cent not shown when base is less than 100 or when per cent is more than 1,000.

<sup>2</sup> Excluding 12,847 acres reported for corn cut for forage, which is practically all duplicated in the acreage shown for corn harvested as grain.

<sup>3</sup> Principally oats and barley grown and harvested together.

<sup>4</sup> Includes a small quantity of flaxseed.

<sup>5</sup> Includes small quantities of "other clover and alfalfa seed" (1919), of "other grass seed" (1909), and of flower and vegetable seeds (value only, 1909). The entire acreage from which the grass and clover seeds were secured is believed to be included in the acreage given elsewhere for hay and forage.

<sup>6</sup> Less than one-tenth of 1 per cent.

<sup>7</sup> Corn cut for forage was not reported to any extent in 1909; hence no very close comparison between 1919 and 1909 can be made, either for the hay and forage totals or for the bracketed group in which corn cut for forage appears.

<sup>8</sup> Includes millet and Hungarian grass.

<sup>9</sup> The 1919 figures represent vegetables raised for sale only.

<sup>10</sup> In 1909 the value of the farm garden was largely included in the value of "other vegetables."

<sup>11</sup> The 1909 figures include a small quantity of ginseng.

<sup>12</sup> Includes the value of a small quantity of nuts.



Most of the remaining improved land doubtless consisted of improved pasture, land lying fallow, house and farm yards, and land occupied by orchards and vineyards, the acreage of which was not reported.

In addition to the crops regularly harvested in 1919, as shown in the tables, there were reported 155 acres of mature crops grazed or "hogged off."

**Farm value of crops.**—At the census of 1920 the farm schedule called for the value of all farm property, including land, buildings, implements and machinery, and the different classes of live stock. It also called for mortgage indebtedness, certain classes of farm expenditures, and the value of live-stock products sold.

In the case of farm crops, however, wherever a unit value could be used, such as the value per bushel, per pound, or per ton, the farmer was asked to report the acreage and production of each crop but not the value. To supplement the information obtained from the farmers, the Bureau of Crop Estimates of the United States Department of Agriculture secured by special schedule from its crop reporters average values for such crops. These special schedules were tabulated by the Bureau of the Census, and the resulting averages, approved by the Bureau of Crop Estimates as representing a fair average of the farm value per unit, were used in computing most of the crop values presented in the accompanying tables.

For some products it was not possible to find any satisfactory unit on which to base a computation of the total value. Values were therefore obtained on the 1920 census schedule for vegetables, other than potatoes and sweet potatoes, and for the farm garden.

TABLE 33.—ACREAGE OF IMPORTANT CROPS: 1879 TO 1919.

CROP.	1919	1909	1899	1889	1879
Corn.....	21,186	42,887	60,633	41,790	55,249
Oats.....	83,097	71,510	73,372	101,582	99,548
Wheat.....	11,276	878	1,796	8,397	20,748
Barley.....	8,594	10,586	12,182	16,427	10,552
Buckwheat.....	4,330	7,659	9,910	13,429	17,649
Hay and forage.....	191,757	1,030,325	1,006,375	994,107	1,015,020
Potatoes (Irish or white).....	24,182	26,859	28,353	31,943	38,503

<sup>1</sup> Includes 12,847 acres of corn cut for forage. This crop was not included to any extent in the hay and forage totals prior to 1919.

TABLE 34.—PERCENTAGES AND AVERAGES FOR IMPORTANT CROPS: 1919 AND 1909.

CROP.	PER CENT OF IMPROVED LAND OCCUPIED.		AVERAGE YIELD PER ACRE.			AVERAGE VALUE PER ACRE.	
	1919	1909	Unit.	1919	1909	1919	1909
Corn.....	1.3	2.6	Bu...	44.2	40.0	\$79.64	\$25.70
Oats.....	4.9	4.4	Bu...	28.8	29.9	28.84	18.85
Wheat.....	0.7	( <sup>1</sup> )	Bu...	15.6	20.8	35.90	21.06
Barley.....	0.5	0.6	Bu...	22.9	26.9	40.08	21.33
Buckwheat.....	0.3	0.5	Bu...	18.8	22.8	34.75	15.94
Hay and forage.....	58.6	63.1	Tons.	1.76	1.46	22.63	15.85
Potatoes (Irish or white).....	1.4	1.6	Bu...	94.2	154.3	207.19	64.90

<sup>1</sup> Less than one-tenth of 1 per cent.

TABLE 35.—VEGETABLES RAISED FOR SALE: 1919.

[Vegetables other than potatoes and sweet potatoes.]

CROP.	FARMS REPORTING.		Acres harvested.	Value of product.
	Number.	Per cent of all farms.		
Total.....	1,555	5.3	1,905	\$280,441
Asparagus.....	44	0.2	21	4,435
Beans (green).....	246	0.8	99	13,864
Cabbages.....	451	1.6	154	39,804
Corn (pop).....	41	0.1	40	6,213
Corn (sweet).....	590	2.0	1,123	79,073
Cucumbers.....	257	0.9	58	9,992
Onions.....	293	1.0	87	30,014
Peas (green).....	248	0.9	46	8,211
Squashes.....	110	0.4	45	7,767
Tomatoes.....	255	0.9	66	17,864
All other vegetables.....			99	28,517
Mixed vegetables.....	83	0.3	67	14,687

TABLE 36.—MAPLE SUGAR AND SIRUP: 1919 AND 1909.

PRODUCT.	FARMS REPORTING.		Trees tapped.	PRODUCTION.		
	Number.	Per cent of all farms.		Quantity.	Unit.	Value.
Total.....1919..	10,340	35.6	5,955,513			\$3,580,260
.....1909..	10,069	30.8	5,585,632			1,089,933
Sugar made.....1919..				9,251,734	Lbs.	2,000,556
.....1909..	7,636	23.3		7,728,817	Lbs.	720,927
Sirup made.....1919..				631,624	Gals.	1,679,813
.....1909..	5,232	16.1		409,953	Gals.	366,006

TABLE 37.—SMALL FRUITS: 1919 AND 1909.

CROP.	FARMS REPORTING.		Acres harvested.	PRODUCTION.	
	Number.	Per cent of all farms.		Quantity (quarts).	Value.
Total.....1919..	3,657	12.6	694	749,032	\$187,580
.....1909..			469	828,122	92,030
Strawberries.....1919..	1,999	6.9	275	428,335	107,066
.....1909..	1,240	3.8	276	615,820	68,690
Raspberries.....1919..	1,651	5.7	246	177,576	49,720
Raspberries and loganberries.....1909..	591	1.8	80	85,065	10,596
Blackberries and dewberries.....1919..	941	3.2	120	113,210	24,904
.....1909..	433	1.3	47	56,252	6,032
Currants.....1919..	555	1.9	30	24,437	4,880
.....1909..	992	3.0	58	53,533	5,684
Other berries.....1919..			23	5,475	984
.....1909..			8	10,452	1,028

TABLE 38.—FRUIT TREES AND GRAPEVINES NOT OF BEARING AGE: 1920 AND 1910.

FRUIT.	FARMS REPORTING.				TREES OR VINES NOT OF BEARING AGE.	
	Number.		Per cent of all farms.		1920	1910
	1920	1910	1920	1910		
Orchard fruits, total <sup>1</sup> .....	6,014		20.7		287,058	253,401
Apples.....	5,333	7,206	18.3	22.0	254,029	219,533
Peaches.....	152	137	0.5	0.4	3,978	2,187
Pears.....	1,063	2,014	3.7	6.2	8,454	7,720
Plums and prunes.....	1,104	2,225	3.8	6.8	10,756	15,818
Cherries.....	843	1,154	2.9	3.5	9,811	6,659
Grapes.....	439	491	1.5	1.5	2,441	1,845

<sup>1</sup> The 1910 figures include apricots and quinces. These fruits were not called for by the 1920 schedule.

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TABLE 39.—ORCHARD FRUITS AND GRAPES: 1919 AND 1909.

FRUIT.	FARMS REPORTING TREES OR VINES OF BEARING AGE.				NUMBER OF TREES OR VINES OF BEARING AGE.		PRODUCTION.				
	Number.		Per cent of all farms.		1920	1910	Quantity.			Value.	
	1920	1910	1920	1910			Unit.	1919	1909	1919	1909
Orchard fruits, total <sup>1</sup> .....	18,640	.....	64.1	.....	763,901	1,266,700	Bu....	974,485	1,492,499	\$1,761,980	\$801,365
Apples.....	17,781	23,644	61.2	72.3	712,594	1,183,529	Bu....	900,252	1,469,689	1,728,464	752,837
Peaches.....	201	188	0.7	0.6	2,815	5,492	Bu....	904	2,221	2,262	4,899
Pears.....	3,281	6,232	11.3	19.0	14,352	26,315	Bu....	10,360	20,793	22,793	23,788
Plums and prunes.....	2,205	4,640	7.9	14.2	10,647	32,920	Bu....	2,062	7,205	4,543	12,927
Cherries.....	1,068	2,980	6.8	9.1	14,393	18,006	Bu....	607	2,506	3,028	7,651
Grapes.....	1,949	2,209	6.7	6.8	7,160	9,318	Lbs....	99,422	203,011	7,955	6,328

<sup>1</sup> The figures for 1910 and 1909 include apricots, quinces, and mulberries. These fruits were not called for by the 1920 schedule.

COUNTY TABLE I.—FARMS AND FARM PROPERTY, 1920,

		THE STATE.	Addison.	Bennington.	Caledonia.	Chittenden.	Essex.	Franklin.
<b>ALL FARMS.</b>								
1	Number of farms, 1920.....	29,075	2,375	1,366	2,313	1,992	671	2,444
2	1910.....	32,709	2,690	1,688	2,633	2,206	808	2,698
3	1900.....	33,104	2,714	1,660	2,579	2,101	878	2,581
4	All farmers classified by sex, 1920:							
5	Male.....number..	27,884	2,306	1,289	2,226	1,907	640	2,362
6	Female.....number..	1,191	69	77	87	85	31	82
7	Color and nativity of all farmers, 1920:							
8	Native white.....number..	25,280	2,218	1,241	1,938	1,750	493	1,986
9	Foreign-born white.....number..	3,767	155	124	375	236	178	458
10	Negro and other nonwhite.....number..	28	2	1	6	6	1	1
11	All farms classified by size, 1920:							
12	Under 3 acres.....number..	75	6	4	4	7	1	4
13	3 to 9 acres.....number..	1,731	116	115	117	168	22	194
14	10 to 19 acres.....number..	1,544	127	82	121	125	27	155
15	20 to 49 acres.....number..	2,924	221	169	262	188	47	198
16	50 to 99 acres.....number..	5,199	383	255	368	338	130	351
17	100 to 174 acres.....number..	8,777	683	333	767	526	184	719
18	175 to 259 acres.....number..	5,081	448	227	414	352	128	452
19	260 to 499 acres.....number..	3,115	335	135	229	235	99	306
20	500 to 999 acres.....number..	544	51	37	24	31	34	27
21	1,000 acres and over.....number..	85	5	9	7	2	2	8
<b>LAND AND FARM AREA.</b>								
22	Approximate land area, 1920.....acres..	5,839,380	483,540	423,040	395,520	347,520	408,320	417,280
23	Land in farms, 1920.....acres..	4,235,811	373,122	207,234	339,548	280,868	117,360	359,249
24	1910.....acres..	4,663,577	440,621	280,820	373,946	297,576	143,791	361,777
25	1900.....acres..	4,724,440	403,587	270,609	348,641	290,737	168,970	360,862
26	Improved land in farms, 1920.....acres..	1,691,595	217,796	81,691	129,907	140,453	33,817	150,287
27	1910.....acres..	1,633,935	228,105	91,648	132,708	128,749	39,642	148,225
28	1900.....acres..	2,126,624	243,582	112,673	167,169	166,808	58,319	160,500
29	Woodland in farms, 1920.....acres..	1,428,309	93,250	77,291	118,514	71,075	57,871	97,788
30	Other unimproved land in farms, 1920.....acres..	1,115,907	62,076	48,252	91,037	69,340	20,672	111,174
31	Percent of land area in farms, 1920.....	72.5	77.1	49.0	85.8	80.8	28.7	86.1
32	Percent of farm land improved, 1920.....	39.9	58.4	39.4	38.3	50.0	33.1	41.8
33	Average acreage per farm, 1920.....	145.7	167.1	151.7	146.8	141.0	174.9	147.0
34	Average improved acreage per farm, 1920.....	58.2	91.7	59.8	56.2	70.5	57.8	61.5
<b>VALUE OF FARM PROPERTY.</b>								
35	All farm property, 1920.....dollars..	222,736,620	23,245,120	9,902,712	17,725,226	21,325,918	4,279,016	26,168,658
36	1910.....dollars..	145,399,728	16,154,980	8,117,299	10,862,819	13,564,440	2,837,608	14,959,038
37	1900.....dollars..	108,451,427	11,565,065	5,785,974	7,581,824	10,522,960	2,329,923	11,081,231
38	Land in farms, 1920.....dollars..	82,938,253	8,492,384	3,506,288	6,287,717	8,791,689	1,502,084	11,442,809
39	1910.....dollars..	58,385,327	7,360,789	3,273,877	4,320,634	5,564,582	1,065,320	6,477,747
40	1900.....dollars..	45,813,905	5,339,660	2,604,380	2,857,980	4,806,550	899,780	5,227,890
41	Farm buildings, 1920.....dollars..	76,178,006	8,301,207	4,113,697	6,067,380	6,941,507	1,357,881	8,286,516
42	1910.....dollars..	54,202,948	5,834,017	3,384,205	3,857,990	5,391,770	989,085	5,374,390
43	1900.....dollars..	37,257,715	3,882,310	2,103,870	2,809,750	3,646,190	780,070	3,468,980
44	Implements and machinery, 1920.....dollars..	21,234,130	2,262,598	776,319	1,718,885	1,816,045	459,431	1,902,233
45	1910.....dollars..	10,168,687	925,019	442,133	850,386	784,590	227,121	905,664
46	1900.....dollars..	7,538,490	606,790	301,580	694,030	617,190	174,720	662,150
47	Live stock on farms, 1920.....dollars..	42,385,331	4,188,931	1,806,408	3,651,204	3,776,677	960,120	4,447,400
48	1910.....dollars..	22,642,766	2,235,155	1,017,084	1,824,809	1,823,498	558,082	2,201,267
49	1900.....dollars..	17,841,317	1,730,295	776,144	1,420,004	1,464,020	475,353	1,722,241
50	Average values, 1920:							
51	All property per farm.....dollars..	7,661	9,787	7,249	7,663	10,706	6,377	10,707
52	Land and buildings per farm.....dollars..	5,473	7,071	5,578	5,842	7,898	4,261	8,073
53	Land alone per acre.....dollars..	19.58	22.76	16.92	18.52	21.30	12.80	31.85
<b>FARMS OPERATED BY OWNERS.</b>								
54	Number of farms, 1920.....	25,121	1,848	1,144	2,145	1,629	622	1,880
55	1910.....	28,065	2,119	1,406	2,438	1,734	745	2,051
56	1900.....	27,669	2,187	1,385	2,349	1,605	791	1,914
57	Percent of all farms, 1920.....	86.4	77.8	83.7	92.7	81.8	92.7	76.9
58	Land in farms, 1920.....acres..	3,520,899	276,096	158,006	306,189	215,078	107,646	249,978
59	Improved land in farms, 1920.....acres..	1,387,562	158,065	63,549	117,751	104,829	35,806	104,915
60	Value of land and buildings, 1920.....dollars..	126,686,877	11,726,176	5,171,694	11,344,597	11,083,475	2,610,800	13,738,725
61	Degree of ownership, 1920:							
62	Farmers owning entire farm.....number..	23,926	1,693	1,108	2,077	1,553	603	1,824
63	Farmers hiring additional land.....number..	1,195	185	86	68	76	19	56
64	Color and nativity of owners, 1920:							
65	Native white owners.....number..	21,719	1,714	1,034	1,794	1,423	453	1,524
66	Foreign-born white owners.....number..	3,381	132	110	351	201	169	356
67	Negro and other nonwhite owners.....number..	21	2	1	6	6	1	1
<b>FARMS OPERATED BY MANAGERS.</b>								
68	Number of farms, 1920.....	568	34	61	31	48	2	42
69	1910.....	636	46	53	37	56	16	40
70	1900.....	615	31	32	44	36	15	35
71	Land in farms, 1920.....acres..	150,197	8,065	19,884	13,703	9,944	360	11,874
72	Improved land in farms, 1920.....acres..	55,962	4,993	6,413	4,659	5,604	135	5,557
73	Value of land and buildings, 1920.....dollars..	9,611,978	760,600	1,618,296	389,900	1,720,467	17,000	758,900
<b>FARMS OPERATED BY TENANTS.</b>								
74	Number of farms, 1920.....	3,386	493	161	137	315	47	522
75	1910.....	4,008	525	229	158	416	47	607
76	1900.....	4,820	496	243	186	460	72	632
77	Percent of all farms, 1920.....	11.6	20.8	11.8	5.9	15.8	7.2	21.4
78	Land in farms, 1920.....acres..	564,715	88,961	29,344	19,656	55,848	9,354	97,397
79	Improved land in farms, 1920.....acres..	245,131	56,738	11,729	7,587	30,020	3,376	39,815
80	Value of land and buildings, 1920.....dollars..	22,818,304	4,307,815	829,995	640,000	2,929,254	231,665	5,231,700
81	Form of tenancy, 1920:							
82	Share tenants.....number..	1,621	312	61	15	194	11	392
83	Share-cash tenants.....number..	26	5	1	1	1	1	1
84	Cash tenants.....number..	1,459	145	98	115	121	27	98
85	Unspecified.....number..	250	31	1	7	1	1	1
86	Color and nativity of tenants, 1920:							
87	Native white tenants.....number..	3,055	470	153	117	285	38	430
88	Foreign-born white tenants.....number..	327	23	8	20	23	9	92
89	Negro and other nonwhite tenants.....number..	4	1	1	1	1	1	1

WITH SELECTED ITEMS FOR 1910 AND 1900.

	Grand Isle.	Lamoille.	Orange.	Orleans.	Rutland.	Washington.	Windham.	Windsor.
<b>ALL FARMS.</b>								
Number of farms, 1920.....	501	1,599	2,687	2,543	2,649	2,564	2,103	3,268
1910.....	544	1,629	3,016	2,806	2,803	2,830	2,553	3,745
1900.....	494	1,620	3,150	2,926	2,030	2,910	2,765	3,796
<b>All farmers classified by sex, 1920:</b>								
Male.....	479	1,542	2,549	2,476	2,529	2,405	1,994	3,120
Female.....	22	57	138	67	120	99	109	148
<b>Color and nativity of all farmers, 1920:</b>								
Native white.....	451	1,416	2,467	1,759	2,392	2,213	1,978	2,978
Foreign-born white.....	50	183	218	782	253	349	123	284
Negro and other nonwhite.....			2	2	4	2	3	6
<b>All farms classified by size, 1920:</b>								
Under 3 acres.....	number..	8	6		14	6	6	10
3 to 9 acres.....	number..	41	95	128	88	148	125	175
10 to 19 acres.....	number..	46	88	119	110	165	160	141
20 to 49 acres.....	number..	60	182	262	227	259	290	233
50 to 99 acres.....	number..	141	325	507	443	402	405	606
100 to 174 acres.....	number..	139	517	899	873	657	535	1,064
175 to 259 acres.....	number..	58	248	481	499	454	379	548
260 to 499 acres.....	number..	16	112	235	262	386	182	327
500 to 999 acres.....	number..		19	45	36	95	25	55
1,000 acres and over.....	number..	5	5		18	3	12	9
<b>LAND AND FARM AREA.</b>								
Approximate land area, 1920.....	acres..	53,120	279,040	432,640	440,320	583,040	460,160	606,720
Land in farms, 1920.....	acres..	48,013	211,285	378,481	368,105	436,558	316,799	467,601
1910.....	acres..	49,775	213,218	405,134	377,309	442,549	369,640	538,012
1900.....	acres..	47,096	219,764	425,691	385,001	458,282	378,487	547,817
Improved land in farms, 1920.....	acres..	33,141	73,547	123,999	173,646	165,308	106,039	159,310
1910.....	acres..	36,298	74,379	111,933	130,774	153,738	112,427	162,007
1900.....	acres..	35,055	78,487	124,906	204,401	206,093	143,931	222,509
Woodland in farms, 1920.....	acres..	7,598	89,403	126,413	120,399	148,339	115,989	166,750
Other unimproved land in farms, 1920.....	acres..	7,274	48,335	128,019	74,000	122,851	94,171	141,541
Percent of land area in farms, 1920.....		90.4	75.7	87.5	83.6	74.9	68.8	77.1
Percent of farm land improved, 1920.....		68.0	34.8	82.8	47.2	37.9	29.2	34.1
Average acreage per farm, 1920.....		95.8	132.1	140.8	144.8	104.8	123.6	143.1
Average improved acreage per farm, 1920.....		66.1	46.0	46.1	68.3	62.4	41.6	48.7
<b>VALUE OF FARM PROPERTY.</b>								
All farm property, 1920.....	dollars..	4,982,096	10,531,536	14,785,572	21,762,223	19,987,210	16,955,339	18,765,584
1910.....	dollars..	3,357,541	5,901,723	9,615,687	11,819,118	13,586,680	11,149,683	14,194,478
1900.....	dollars..	2,294,494	4,084,662	7,495,103	8,497,526	11,533,728	8,257,292	9,799,620
Land in farms, 1920.....	dollars..	2,175,555	3,994,205	4,859,685	8,818,071	6,576,184	5,748,708	6,213,492
1910.....	dollars..	1,606,739	2,235,635	3,454,644	4,507,310	5,224,801	4,310,843	5,121,781
1900.....	dollars..	1,174,900	1,565,610	2,768,080	3,423,810	5,080,025	3,435,290	3,570,990
Farm buildings, 1920.....	dollars..	1,794,600	3,467,745	4,861,287	6,837,060	7,305,645	6,982,415	4,107,238
1910.....	dollars..	1,234,926	2,173,195	3,600,351	4,142,475	5,255,025	4,170,852	5,739,922
1900.....	dollars..	766,780	1,377,410	2,670,720	2,604,200	4,104,085	2,721,980	3,721,480
Implements and machinery, 1920.....	dollars..	372,763	1,075,313	1,722,378	2,150,013	1,844,094	1,767,083	1,975,524
1910.....	dollars..	152,043	541,138	810,088	1,051,132	845,730	821,077	1,117,523
1900.....	dollars..	102,850	360,880	655,640	780,670	612,530	621,310	744,190
Live stock on farms, 1920.....	dollars..	639,178	1,994,273	3,341,722	3,957,079	4,171,287	3,457,133	3,901,340
1910.....	dollars..	363,833	1,011,755	1,738,604	2,118,201	2,261,124	1,846,811	2,215,252
1900.....	dollars..	249,964	730,762	1,401,106	1,592,756	1,737,088	1,478,722	1,762,960
Average values, 1920:								
All property per farm.....	dollars..	9,944	6,580	5,503	8,558	7,545	6,613	5,739
Land and buildings per farm.....	dollars..	7,024	4,067	3,618	6,156	5,274	4,575	3,941
Land alone per acre.....	dollars..	45.31	18.90	12.84	28.96	15.06	18.15	13.29
<b>FARMS OPERATED BY OWNERS.</b>								
Number of farms, 1920.....		313	1,459	2,407	2,362	2,194	2,324	2,913
1910.....		378	1,471	2,700	2,557	2,366	2,568	3,260
1900.....		367	1,309	2,743	2,578	2,281	2,542	3,238
Percent of all farms, 1920.....		62.5	91.2	89.6	92.9	82.8	90.6	89.1
Land in farms, 1920.....	acres..	24,475	192,540	334,594	340,221	340,503	280,734	404,331
Improved land in farms, 1920.....	acres..	17,542	67,008	109,383	161,404	131,653	94,385	138,869
Value of land and buildings, 1920.....	dollars..	2,067,075	6,760,830	8,588,772	14,396,706	10,614,704	10,412,283	10,942,970
Degree of ownership, 1920:								
Farmers owning entire farm.....	number..	294	1,424	2,299	2,294	2,031	2,243	2,748
Farmers hiring additional land.....	number..	19	35	108	68	163	81	165
Color and nativity of owners, 1920:								
Native white owners.....	number..	275	1,286	2,200	1,618	1,981	2,000	2,645
Foreign-born white owners.....	number..	38	173	205	742	210	324	284
Negro and other nonwhite owners.....	number..			2	2	3	3	4
<b>FARMS OPERATED BY MANAGERS.</b>								
Number of farms, 1920.....		4	19	40	42	64	36	82
1910.....		4	18	58	52	45	41	83
1900.....		8	15	59	47	78	33	90
Land in farms, 1920.....	acres..	786	2,311	7,019	8,031	19,362	7,489	23,088
Improved land in farms, 1920.....	acres..	435	1,115	2,528	3,488	6,381	2,499	7,554
Value of land and buildings, 1920.....	dollars..	54,000	108,300	252,250	469,425	1,303,750	373,790	933,300
<b>FARMS OPERATED BY TENANTS.</b>								
Number of farms, 1920.....		184	121	240	139	391	204	273
1910.....		162	140	258	197	452	221	402
1900.....		119	296	348	301	571	335	468
Percent of all farms, 1920.....		36.7	7.6	8.9	5.5	14.8	8.0	8.4
Land in farms, 1920.....	acres..	22,752	16,434	36,818	19,853	76,683	28,576	40,184
Improved land in farms, 1920.....	acres..	15,104	5,424	12,088	8,754	27,334	9,755	12,887
Value of land and buildings, 1920.....	dollars..	1,859,080	592,320	879,950	789,000	2,053,375	945,050	1,002,460
Form of tenancy, 1920:								
Share tenants.....	number..	156	54	58	72	191	44	46
Share-cash tenants.....	number..	3	1		5	4		5
Cash tenants.....	number..	22	53	156	58	193	135	171
Unspecified.....	number..	3	13	46	4	3	23	51
Color and nativity of tenants, 1920:								
Native white tenants.....	number..	173	112	229	108	353	180	259
Foreign-born white tenants.....	number..	11	9	11	31	37	22	14
Negro and other nonwhite tenants.....	number..					1	2	

COUNTY TABLE II.—LIVE STOCK ON FARMS AND RANGES,

		THE STATE.	Addison.	Bannington.	Caledonia.	Chittenden.	Essex.	Franklin.
<b>DOMESTIC ANIMALS: 1920.</b>								
1	Farms reporting domestic animals.....number..	27,269	2,250	1,264	2,154	1,879	639	2,306
2	Value of all domestic animals.....dollars..	41,151,827	4,064,885	1,433,193	3,549,387	3,687,906	938,402	4,370,136
<b>Horses:</b>								
3	Total number.....	77,231	7,949	3,207	7,014	5,901	1,966	7,218
4	Colts under 1 year of age.....	2,250	341	93	191	188	65	165
5	Colts 1 year old and under 2 years.....	2,272	333	67	214	176	78	211
6	Mares 2 years old and over.....	31,740	3,402	1,135	2,562	2,306	731	2,921
7	Geldings 2 years old and over.....	40,335	3,809	1,892	3,957	3,205	1,078	3,878
8	Stallions 2 years old and over.....	634	64	20	90	26	14	43
9	Total value.....dollars..	10,421,141	1,075,695	418,183	1,020,874	782,725	270,350	906,008
<b>Mules:</b>								
10	Total number.....	601	56	38	27	59	14	20
11	Mule colts under 1 year of age.....	23	9	1	—	—	—	—
12	Mule colts 1 year old and under 2 years.....	24	6	—	2	3	—	—
13	Mules 2 years old and over.....	544	41	37	25	56	9	20
14	Total value.....dollars..	91,916	8,005	5,530	4,565	8,291	2,340	2,950
<b>Asses and burros:</b>								
15	Total number.....	27	3	3	—	1	—	—
16	Total value.....dollars..	2,490	185	85	—	50	—	—
<b>Cattle:</b>								
17	Total number.....	435,480	41,457	12,979	37,287	38,219	9,701	49,649
18	Total value.....dollars..	28,502,803	2,714,711	877,967	2,359,263	2,800,450	630,745	3,310,434
<b>Beef cattle:</b>								
19	Total number.....	14,200	1,811	395	1,061	478	542	583
20	Calves under 1 year of age.....	2,501	293	82	197	111	101	85
21	Heifers 1 year old and under 2 years.....	1,023	124	32	75	81	33	49
22	Cows and heifers 2 years old and over.....	3,219	256	123	337	164	131	407
23	Steers 1 year old and under 2 years.....	2,568	435	57	166	43	106	16
24	Steers 2 years old and over.....	4,347	580	92	243	54	180	15
25	Bulls 1 year old and over.....	542	73	39	43	25	11	11
26	Total value.....dollars..	906,462	107,888	21,356	76,649	31,557	31,695	30,638
<b>Dairy cattle:</b>								
27	Total number.....	421,280	39,646	12,584	36,226	37,741	9,159	49,086
28	Calves under 1 year of age.....	64,147	6,104	1,876	6,012	4,555	1,373	5,682
29	Heifers 1 year old and under 2 years.....	55,521	5,608	1,762	4,837	3,999	1,290	5,336
30	Cows and heifers 2 years old and over.....	290,122	28,994	8,624	24,390	28,203	6,236	36,738
31	Bulls 1 year old and over.....	11,490	940	322	987	884	280	1,330
32	Total value.....dollars..	27,596,341	2,606,823	856,611	2,282,604	2,768,893	599,050	3,285,801
<b>Sheep:</b>								
33	Total number.....	62,756	12,287	5,867	3,732	1,394	1,228	1,933
34	Lambs under 1 year of age.....	12,940	2,093	1,303	961	245	259	323
35	Ewes 1 year old and over.....	47,088	9,785	4,163	2,590	1,014	900	1,505
36	Rams 1 year old and over.....	1,895	397	129	184	56	62	60
37	Wethers 1 year old and over.....	833	12	272	47	79	7	45
38	Total value.....dollars..	723,688	152,370	63,458	44,513	10,009	12,759	24,920
<b>Goats:</b>								
39	Total number.....	124	3	5	5	2	—	2
40	Total value.....dollars..	2,414	35	68	159	87	—	35
<b>Swine:</b>								
41	Total number.....	72,761	6,709	3,625	6,147	4,087	1,221	6,157
42	Pigs under 6 months old.....	46,586	4,570	2,153	3,939	2,312	721	4,002
43	Bows and gilts for breeding, 6 months old and over.....	10,779	962	625	799	459	254	877
44	Bows for breeding, 6 months old and over.....	1,087	59	54	94	67	22	75
45	All other hogs, 6 months old and over.....	14,569	1,088	793	1,315	849	224	1,203
46	Total value.....dollars..	1,407,410	113,884	67,602	120,023	80,844	22,188	119,794
<b>POULTRY AND BEES: 1920.</b>								
47	Chickens.....number..	799,797	69,699	48,422	67,767	58,791	15,039	56,606
48	Other poultry.....number..	15,288	1,224	1,196	574	632	132	1,413
49	Value of all poultry.....dollars..	1,167,717	99,962	70,393	94,733	84,533	20,465	72,003
50	Bees.....number of hives..	10,024	3,742	356	409	713	197	880
51	Total value.....dollars..	65,757	24,094	2,822	3,144	4,238	1,253	5,261
<b>LIVE-STOCK PRODUCTS: 1919.</b>								
<b>Dairy products:</b>								
52	Milk produced (as reported).....gallons..	108,119,922	9,442,957	3,093,019	9,941,467	10,363,891	2,352,205	12,506,463
53	Milk sold.....gallons..	55,819,890	6,706,377	1,697,344	3,608,021	8,976,242	1,628,080	8,796,672
54	Cream sold.....gallons..	923,545	110,787	30,582	88,554	104,543	22,768	82,275
55	Butter fat sold.....pounds..	13,072,781	824,676	62,949	1,659,638	254,353	94,259	1,318,950
56	Butter made on farms.....pounds..	3,877,039	210,158	410,054	401,597	47,970	104,666	175,581
57	Butter sold.....pounds..	2,955,634	156,254	301,294	345,335	30,845	80,611	180,952
58	Cheese made on farms.....pounds..	75,502	471	53,510	—	6	—	7
59	Value of dairy products <sup>1</sup> .....dollars..	27,207,813	2,641,446	803,410	2,497,028	3,079,870	531,038	3,352,670
60	Receipts from sale of dairy products.....dollars..	26,534,700	2,609,153	741,315	2,442,185	3,067,932	516,181	3,337,637
61	Average production of milk per dairy cow.....gallons..	414	422	432	450	406	432	394
<b>Eggs and chickens:</b>								
62	Eggs produced (as reported).....dozens..	4,650,695	444,396	284,851	393,336	280,226	78,243	289,004
63	Eggs sold.....dozens..	3,084,170	263,291	182,225	289,276	192,058	52,382	192,424
64	Chickens raised (as reported).....number..	770,583	71,172	48,931	56,265	57,100	13,635	41,702
65	Chickens sold.....number..	336,730	36,594	19,453	22,794	25,411	4,504	19,088
66	Value of chickens and eggs produced.....dollars..	3,472,896	318,449	214,896	349,084	220,705	48,060	212,089
67	Receipts from sale of chickens and eggs.....dollars..	2,061,619	180,265	123,406	222,608	152,794	27,717	130,903
<b>Honey and wax:</b>								
68	Honey produced.....pounds..	234,326	112,708	7,078	7,830	10,240	2,718	14,819
69	Wax produced.....pounds..	2,137	922	18	86	116	40	149
70	Value of honey and wax.....dollars..	76,055	36,528	2,274	2,549	5,290	890	4,817
<b>Wool:</b>								
71	Sheep shorn.....number..	54,376	11,183	4,938	3,388	1,117	1,061	1,522
72	Wool produced (as reported).....pounds..	395,856	102,533	31,477	23,805	7,671	6,810	11,195
73	Value.....dollars..	235,648	62,004	19,313	13,183	4,607	4,076	6,766

<sup>1</sup> Value of milk, cream, and butter fat sold, and of butter and cheese made on farms.

COUNTY TABLE III.—DOMESTIC ANIMALS

1	Inclosures reporting domestic animals.....	10,171	712	592	725	884	267	1,023
2	Horses, total number.....	12,733	804	799	997	1,533	430	1,167
3	Mules, total number.....	268	16	6	20	130	—	11
4	Asses and burros, total number.....	—	—	—	—	—	—	—
5	Cattle, total number.....	7,940	478	434	438	498	270	596
6	Dairy cows.....	5,879	318	328	375	328	198	450
7	Sheep, total number.....	395	13	87	3	14	18	5
8	Goats, total number.....	52	3	1	1	7	—	1
9	Swine, total number.....	6,374	483	341	204	704	119	601

1920; AND LIVE-STOCK PRODUCTS, 1919.

	Grand Isle.	Lamolle.	Orange.	Orleans.	Rutland.	Washington.	Windham.	Windsor.
<b>DOMESTIC ANIMALS: 1920.</b>								
Farms reporting domestic animals.....number..	474	1,527	2,475	2,442	2,461	2,398	1,040	3,030
Value of all domestic animals.....dollars..	612,362	1,943,871	3,219,200	3,878,170	4,066,718	3,352,467	2,298,065	3,737,076
<b>Horses:</b>								
Total number.....	1,755	3,837	6,423	7,150	6,787	6,166	4,330	7,523
Colts under 1 year of age.....	59	67	100	208	187	188	86	248
Colts 1 year old and under 2 years.....	61	73	133	236	161	167	75	227
Mares 2 years old and over.....	825	1,899	2,732	3,016	2,779	2,334	1,803	3,301
Colts 2 years old and over.....	795	1,759	3,249	3,646	3,646	3,441	2,327	3,633
Stallions 2 years old and over.....	15	34	63	48	50	36	39	94
Total value.....dollars..	201,839	511,871	862,022	969,466	889,339	880,237	584,464	1,048,073
<b>Mules:</b>								
Total number.....	7	59	82	46	68	42	23	60
Mule colts under 1 year of age.....	1	1	1	1	1	1	1	1
Mule colts 1 year old and under 2 years.....	1	1	1	1	1	1	1	1
Mules 2 years old and over.....	7	56	78	45	66	39	21	55
Total value.....dollars..	875	9,660	13,035	6,721	9,634	7,000	3,760	9,256
<b>Asses and burros:</b>								
Total number.....	1	1	1	1	1	1	1	1
Total value.....dollars..	1	1	1	1	1	1	1	1
<b>Cattle:</b>								
Total number.....	6,191	23,025	35,584	44,582	41,598	36,070	22,113	37,027
Total value.....dollars..	364,147	1,333,845	2,144,464	2,734,739	2,962,593	2,282,089	1,563,199	2,418,174
<b>Beef cattle—</b>								
Total number.....	62	284	1,735	855	992	1,300	2,271	2,051
Calves under 1 year of age.....	32	62	304	207	245	224	335	243
Heifers 1 year old and under 2 years.....	9	22	120	51	124	95	123	85
Cows and heifers 2 years old and over.....	9	79	267	255	301	417	244	239
Steers 1 year old and under 2 years.....	1	32	301	60	158	186	540	418
Steers 2 years old and over.....	8	83	713	54	120	337	947	971
Bulls 1 year old and over.....	3	0	40	28	44	42	82	95
Total value.....dollars..	2,487	15,826	117,175	26,345	58,556	80,361	152,339	153,556
<b>Dairy cattle—</b>								
Total number.....	6,129	22,741	33,849	43,727	40,604	34,770	19,842	34,976
Calves under 1 year of age.....	1,019	3,753	5,885	5,325	5,889	6,116	3,630	6,439
Heifers 1 year old and under 2 years.....	704	2,644	4,982	5,259	5,688	4,678	3,179	5,555
Cows and heifers 2 years old and over.....	4,282	15,666	21,991	31,620	27,991	22,927	12,450	22,080
Bulls 1 year old and over.....	145	678	991	1,223	1,036	1,049	593	692
Total value.....dollars..	361,600	1,318,019	2,027,289	2,708,394	2,904,040	2,201,698	1,410,850	2,264,609
<b>Sheep:</b>								
Total number.....	1,714	1,550	5,842	4,194	7,249	2,233	4,783	8,745
Lambs under 1 year of age.....	312	281	1,347	716	1,367	387	1,023	2,323
Ewes 1 year old and over.....	1,383	1,217	4,185	3,340	5,627	1,755	3,583	6,121
Rams 1 year old and over.....	48	50	185	135	208	88	149	199
Wethers 1 year old and over.....	1	2	175	3	82	8	28	102
Total value.....dollars..	19,797	20,110	57,893	51,566	79,281	31,025	53,856	96,136
<b>Goats:</b>								
Total number.....	2	2	18	6	43	6	12	20
Total value.....dollars..	25	490	175	1,010	60	60	94	223
<b>Pigs:</b>								
Total number.....	1,183	3,852	7,005	5,824	6,788	7,547	4,404	8,212
Pigs under 6 months old.....	721	2,585	4,596	3,580	4,296	4,868	2,669	5,374
Sows and gilts for breeding, 6 months old and over.....	208	692	933	704	975	1,067	559	1,265
Boars for breeding, 6 months old and over.....	18	59	101	85	102	103	82	147
All other hogs, 6 months old and over.....	226	608	1,376	1,353	1,415	1,509	1,094	1,447
Total value.....dollars..	25,704	68,300	141,266	115,513	124,118	151,971	92,702	163,051
<b>POULTRY AND BEES: 1920.</b>								
Chickens.....number..	17,537	35,274	76,725	59,715	75,823	65,222	56,173	98,004
Other poultry.....number..	583	301	1,779	787	1,476	1,026	1,520	2,445
Value of all poultry.....dollars..	24,512	40,108	118,026	76,882	99,268	103,037	90,492	159,405
Bees.....number of hives..	370	227	512	224	808	219	578	782
Total value.....dollars..	2,304	1,294	3,586	2,027	5,303	1,839	3,982	4,860
<b>LIVE-STOCK PRODUCTS: 1919.</b>								
<b>Dairy products:</b>								
Milk produced (as reported).....gallons..	1,611,494	4,585,791	7,986,280	13,618,701	10,294,314	9,227,453	4,493,352	8,602,535
Milk sold.....gallons..	833,718	1,434,349	2,543,045	5,222,678	6,068,013	2,692,143	1,408,347	2,640,361
Cream sold.....gallons..	48,977	26,893	43,886	48,826	90,762	78,000	47,517	103,847
Butter fat sold.....pounds..	174,258	1,458,406	1,455,002	2,218,202	390,433	1,730,554	390,260	1,034,891
Butter made on farms.....pounds..	19,326	147,078	375,663	341,905	400,524	204,663	392,480	645,314
Butter sold.....pounds..	5,221	94,746	291,203	285,263	300,040	159,529	253,114	470,121
Cheese made on farms.....pounds..	2,036	2,036	760	175	9,287	2,580	2,665	3,955
Value of dairy products.....dollars..	356,978	1,402,838	1,792,392	3,026,605	2,688,612	2,169,959	966,297	1,884,634
Receipts from sale of dairy products.....dollars..	348,223	1,371,611	1,744,023	2,968,569	2,633,611	2,133,051	900,044	1,790,635
Average production of milk per dairy cow.....gallons..	551	493	392	433	391	431	378	392
<b>Eggs and chickens:</b>								
Eggs produced (as reported).....dozens..	82,766	238,215	385,056	384,730	409,206	413,660	355,368	601,768
Eggs sold.....dozens..	43,630	105,008	310,523	219,028	221,898	283,833	235,733	441,661
Chickens raised (as reported).....number..	15,070	38,513	79,975	46,144	75,826	59,744	57,832	108,076
Chickens sold.....number..	6,533	17,492	40,747	13,132	27,812	26,926	25,839	46,455
Value of chickens and eggs produced.....dollars..	67,729	171,585	298,128	252,664	310,603	291,530	258,895	457,882
Receipts from sale of chickens and eggs.....dollars..	31,845	105,084	212,197	135,202	152,404	183,484	156,565	297,084
<b>Honey and wax:</b>								
Honey produced.....pounds..	14,748	2,741	7,086	6,218	18,509	2,539	9,626	11,357
Wax produced.....pounds..	172	40	82	88	181	2	150	141
Value of honey and wax.....dollars..	4,805	897	2,309	2,009	6,014	813	3,155	3,705
<b>Wool:</b>								
Sheep shorn.....number..	1,693	1,150	5,251	3,644	6,672	1,744	3,778	7,235
Wool produced (as reported).....pounds..	12,197	8,019	36,910	26,306	40,012	12,653	23,745	51,963
Value.....dollars..	7,120	4,828	22,129	14,345	25,290	7,411	14,130	30,437

<sup>1</sup> Value of milk, cream, and butter fat sold, and of butter and cheese made on farms.

NOT ON FARMS OR RANGES: 1920.

Inclosures reporting domestic animals.....	79	396	570	719	1,488	972	664	1,080
Horses, total number.....	68	486	765	1,033	1,251	1,221	891	1,288
Mules, total number.....	1	10	13	17	4	16	24	24
Asses and burros, total number.....	1	1	1	1	1	1	1	1
Cattle, total number.....	54	310	508	602	1,039	949	799	965
Dairy cows.....	38	226	391	493	829	704	533	668
Sheep, total number.....	1	6	21	60	7	14	93	53
Goats, total number.....	1	1	3	5	13	11	7	7
Swine, total number.....	72	190	380	212	1,031	724	479	834



COUNTY TABLE IV.—VALUE OF ALL CROPS, AND ACREAGE

		THE STATE.	Addison.	Bennington.	Caledonia.	Chittenden.	Essex.	Franklin.
<b>VALUE OF ALL CROPS.</b>								
1	Total.....dollars..	47,999,600	4,901,213	1,955,307	3,523,767	3,970,097	993,427	5,402,083
2	Cereals.....dollars..	5,171,758	645,087	367,814	288,839	324,754	91,397	507,259
3	Other grains and seeds.....dollars..	279,166	24,131	8,225	3,396	7,896	1,162	24,448
4	Hay and forage.....dollars..	29,581,464	3,378,096	984,926	2,292,476	2,691,318	637,485	3,491,300
5	Vegetables.....dollars..	7,387,254	519,807	402,173	559,401	555,395	187,636	668,521
6	Fruits.....dollars..	1,957,515	199,736	86,984	59,348	197,184	17,838	99,724
7	All other crops.....dollars..	8,622,443	133,746	105,185	320,217	202,550	57,909	610,822
<b>SELECTED CROPS (acres harvested and production).</b>								
8	<b>Cereals:</b>							
9	Total.....acres..	133,621	23,043	7,310	7,450	10,215	2,540	15,626
10	Corn.....bushels..	3,916,959	463,085	254,367	244,969	249,325	82,708	422,149
11	Oats.....bushels..	21,189	1,971	2,052	163	1,561	52	1,269
12	Wheat.....bushels..	937,375	71,151	108,612	9,335	62,945	1,008	51,761
13	Barley.....bushels..	83,067	13,518	3,946	5,495	6,799	2,064	11,683
14	Rye.....bushels..	2,390,349	283,155	115,380	197,537	154,161	73,202	320,074
15	Buckwheat.....bushels..	11,276	2,961	208	519	500	163	788
16	Mixed crops.....bushels..	178,003	40,098	3,657	13,408	7,429	2,431	11,807
17	Dry edible beans.....bushels..	8,594	1,911	131	739	636	112	1,305
18	Dry peas.....bushels..	196,815	34,109	3,422	19,746	12,388	2,951	30,336
19	Other grains and seeds.....bushels..	527	71	53	5	99	4	68
20	Dry edible beans.....bushels..	6,942	1,070	801	100	749	69	656
21	Dry peas.....bushels..	4,330	377	880	225	151	135	411
22	Mixed crops.....bushels..	81,346	5,214	21,146	4,743	1,692	2,732	4,419
23	Other grains and seeds.....bushels..	4,298	1,988	40	4	407	10	181
24	Dry edible beans.....bushels..	115,055	42,835	1,349	100	9,917	315	3,070
25	Dry peas.....bushels..	3,896	256	137	61	147	13	302
26	Other grains and seeds.....bushels..	45,098	3,309	1,032	560	1,253	176	4,012
27	Dry peas.....bushels..	120	7	11	5	5	7	15
28	Other grains and seeds.....bushels..	1,767	145	415	.....	36	22	121
29	<b>Hay and forage:</b>							
30	Total.....acres..	991,757	116,130	40,831	72,489	79,197	23,486	102,774
31	All tame or cultivated grasses.....acres..	1,748,858	204,840	58,643	117,593	100,807	31,508	202,167
32	Timothy alone.....acres..	895,086	103,399	37,853	69,344	67,960	22,735	92,225
33	Timothy and clover mixed.....acres..	1,168,703	127,108	39,244	97,808	99,721	28,302	134,776
34	Clover alone.....acres..	113,469	9,958	8,299	7,642	7,260	2,290	8,735
35	Alfalfa.....acres..	147,613	12,642	9,496	10,538	11,324	3,124	12,223
36	Other tame or cultivated grasses.....acres..	626,541	84,012	21,432	57,894	57,071	17,408	81,808
37	Wild, salt, or prairie grasses.....acres..	857,575	103,441	23,053	81,717	84,237	21,640	119,425
38	Small grains cut for hay.....acres..	5,580	637	261	855	949	95	901
39	Annual legumes cut for hay.....acres..	9,858	1,087	402	517	1,804	174	1,694
40	Silage crops.....acres..	1,785	1,078	25	15	181	2	27
41	Corn cut for forage.....acres..	2,614	1,724	54	63	207	4	74
42	Kafir, sorghum, etc., for forage.....acres..	147,731	7,914	7,783	3,468	1,649	2,990	754
43	Root crops for forage.....acres..	144,643	8,234	0,239	4,533	2,089	8,360	1,269
44	Wild, salt, or prairie grasses.....acres..	12,771	1,518	710	77	525	206	536
45	Small grains cut for hay.....acres..	13,146	2,023	457	98	614	229	559
46	Annual legumes cut for hay.....acres..	17,234	1,552	339	1,379	1,875	198	1,867
47	Silage crops.....acres..	32,586	1,695	606	2,565	3,774	404	3,798
48	Corn cut for forage.....acres..	1,275	34	12	56	101	33	86
49	Kafir, sorghum, etc., for forage.....acres..	1,805	55	21	116	195	84	76
50	Root crops for forage.....acres..	49,872	7,428	1,362	1,450	7,371	155	5,743
51	Wild, salt, or prairie grasses.....acres..	475,161	63,930	15,480	16,300	57,272	2,070	50,935
52	Small grains cut for hay.....acres..	12,647	1,463	520	156	1,349	60	2,329
53	Annual legumes cut for hay.....acres..	51,850	7,297	2,677	981	5,136	422	11,900
54	Silage crops.....acres..	87	.....	.....	1	2	6	2
55	Corn cut for forage.....acres..	177	.....	.....	3	4	17	7
56	Kafir, sorghum, etc., for forage.....acres..	2,605	736	35	26	14	3	26
57	Root crops for forage.....acres..	9,930	2,732	158	162	91	40	108
58	<b>Vegetables:</b>							
59	Potatoes (Irish or white).....acres..	24,182	1,855	1,928	1,401	1,798	520	2,202
60	Other vegetables.....bushels..	2,277,387	161,049	130,119	169,298	159,820	58,843	201,567
61	Miscellaneous crops:	1,905	53	68	64	462	15	141
62	Tobacco.....acres..	78	.....	.....	.....	.....	.....	.....
63	Maple trees tapped.....pounds..	120,210	.....	.....	40	224	.....	125
64	Maple sugar made.....pounds..	5,956,513	221,550	141,644	647,961	324,235	119,333	913,764
65	Maple sirup made.....gallons..	6,251,734	215,899	15,146	872,417	153,615	101,326	845,211
66	Maple sirup made.....gallons..	631,924	25,863	40,135	10,412	61,326	10,194	136,124
<b>FRUITS.</b>								
67	<b>Small fruits:</b>							
68	Total.....acres..	694	61	25	19	88	.....	18
69	Strawberries.....quarts..	749,032	56,017	28,189	25,258	76,464	644	19,960
70	Raspberries.....quarts..	275	14	8	13	34	.....	8
71	Blackberries and dewberries.....quarts..	428,335	20,448	13,562	21,330	37,029	304	11,682
72	Orchard fruits:	246	32	14	8	33	.....	6
73	Total.....acres..	177,575	22,652	11,466	2,268	23,198	.....	4,137
74	Apples.....bushels..	120	10	2	1	16	.....	3
75	Peaches.....bushels..	118,210	10,166	1,827	1,019	8,918	100	2,765
76	Pears.....bushels..	287,058	27,002	70,398	5,882	15,465	348	9,335
77	Plums and prunes.....bushels..	763,901	69,329	49,709	23,834	56,705	8,555	41,320
78	Cherries.....bushels..	974,485	101,669	49,421	29,847	97,737	8,519	52,350
79	Grapes.....bushels..	254,029	25,057	56,079	5,554	13,733	335	8,805
80	Small fruits.....bushels..	712,594	60,690	42,033	28,505	50,755	8,810	39,877
81	Peaches.....bushels..	960,252	99,418	41,367	28,326	95,775	9,800	51,937
82	Pears.....bushels..	3,978	10	24	2	8	5	6
83	Plums and prunes.....bushels..	2,915	50	37	12	8	16	100
84	Cherries.....bushels..	904	35	5	13	8	1	40
85	Grapes.....bushels..	8,484	538	3,890	37	809	.....	169
86	Small fruits.....bushels..	14,352	2,916	1,700	13	1,085	.....	408
87	Peaches.....bushels..	10,380	2,158	1,250	2	1,855	.....	345
88	Pears.....bushels..	10,755	749	5,191	213	2,102	.....	258
89	Cherries.....bushels..	19,647	3,136	2,736	179	3,101	.....	802
90	Grapes.....bushels..	2,062	35	644	5	18	.....	20
91	Small fruits.....bushels..	9,811	708	5,214	76	391	.....	97
92	Grapes.....bushels..	14,393	2,537	2,197	24	1,855	.....	334
	Grapes.....bushels..	907	23	155	.....	106	.....	5
	Grapes.....bushels..	2,441	380	721	.....	115	.....	54
	Grapes.....bushels..	7,160	1,379	344	66	1,030	.....	137
	Grapes.....bushels..	99,422	19,156	4,500	2,812	13,463	.....	4,278



# AGRICULTURE—VERMONT.

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## AND PRODUCTION OF PRINCIPAL CROPS: 1919.

		Grand Isle.	Lamoille.	Orange.	Orleans.	Rutland.	Washington.	Windham.	Windsor.
<b>VALUE OF ALL CROPS.</b>									
1	Total.....dollars..	997,848	2,417,426	3,900,872	4,702,893	4,553,325	3,775,815	2,819,405	4,077,822
2	Cereals.....dollars..	152,849	182,614	384,799	530,256	624,798	355,996	262,506	452,096
3	Other grains and seeds.....dollars..	140,200	3,640	10,571	8,818	5,577	8,102	16,054	15,856
4	Hay and forage.....dollars..	407,720	1,406,920	2,423,085	2,888,464	2,730,989	2,400,410	1,363,583	2,304,072
5	Vegetables.....dollars..	102,797	376,534	645,627	657,810	770,465	634,351	548,876	757,771
6	Fruits.....dollars..	102,853	48,037	180,412	45,329	185,849	117,165	347,919	269,137
7	All other crops.....dollars..	1,139	309,081	256,378	572,216	235,652	259,785	280,373	276,790
<b>SELECTED CROPS (acres harvested and production).</b>									
8	Cereals:								
9	Total.....acres..	5,141	4,750	8,961	13,042	13,219	8,048	4,906	9,370
10	Corn.....bushels..	112,811	145,684	285,788	448,708	438,370	266,618	171,927	310,388
11	Oats.....bushels..	509	583	1,872	190	3,709	1,538	2,425	3,302
12	Wheat.....bushels..	19,288	25,067	78,639	8,102	188,555	63,205	104,214	145,073
13	Barley.....bushels..	2,908	3,241	5,287	9,469	7,280	4,654	2,056	4,697
14	Rye.....bushels..	64,406	103,107	167,275	346,983	210,414	161,464	60,175	139,001
15	Buckwheat.....bushels..	638	392	721	1,434	803	834	171	624
16	Mixed crops.....bushels..	8,746	6,826	12,007	28,784	13,256	14,336	2,580	10,578
17	Rye.....bushels..	351	405	514	938	379	741	89	345
18	Buckwheat.....bushels..	6,454	8,122	12,722	28,264	8,225	20,645	1,786	7,057
19	Mixed crops.....bushels..	16	5	9	16	56	18	29	78
20	Buckwheat.....bushels..	276	78	154	222	850	394	458	1,065
21	Mixed crops.....bushels..	358	108	467	178	476	182	129	254
22	Mixed crops.....bushels..	5,985	1,934	10,278	3,529	8,405	3,743	2,477	4,989
23	Mixed crops.....bushels..	301	16	138	789	328	81	7	60
24	Other grains and seeds:	7,656	490	4,328	32,877	7,343	2,771	237	1,767
25	Dry edible beans.....bushels..	1,732	30	153	140	84	106	232	303
26	Dry peas.....bushels..	24,180	429	1,788	1,375	900	1,085	2,739	2,854
27	Dry peas.....bushels..	29	1	1	18	-----	14	6	8
28	Hay and forage:	471	21	25	74	292	29	117	-----
29	Total.....acres..	14,969	46,083	80,575	87,524	101,028	71,131	61,480	94,115
30	All tame or cultivated grasses.....acres..	30,003	86,198	149,196	149,203	175,353	142,162	88,476	146,089
31	Timothy alone.....acres..	12,524	41,889	71,275	82,143	88,940	64,806	55,808	84,075
32	Timothy and clover mixed.....acres..	18,334	60,732	93,423	120,272	105,536	93,777	53,949	90,867
33	Clover alone.....acres..	718	5,203	9,089	6,710	15,580	11,947	8,908	11,612
34	Alfalfa.....acres..	1,109	7,159	11,785	9,882	19,678	15,953	8,961	13,739
35	Other tame or cultivated grasses.....acres..	11,108	28,036	38,070	72,468	48,838	48,256	18,331	42,899
36	Alfalfa.....acres..	10,155	42,903	58,875	105,130	60,497	71,418	18,936	50,153
37	Other tame or cultivated grasses.....acres..	215	203	255	490	17	400	257	479
38	Alfalfa.....acres..	455	200	531	881	20	852	496	775
39	Other tame or cultivated grasses.....acres..	298	5	63	28	150	42	77	69
40	Alfalfa.....acres..	709	6	166	116	362	91	209	23
41	Other tame or cultivated grasses.....acres..	185	8,382	23,798	2,453	24,355	4,761	30,177	29,062
42	Wild, salt, or prairie grasses.....acres..	206	10,374	22,066	4,263	24,970	5,463	25,347	20,131
43	Small grains out for hay.....acres..	442	1,549	1,253	2,021	676	329	2,329	1,712
44	Annual legumes cut for hay.....acres..	205	1,204	1,457	1,552	1,429	1,117	1,175	1,825
45	Silage crops.....acres..	476	2,788	2,884	3,242	2,837	2,090	1,866	3,581
46	Corn out for forage.....acres..	15	129	212	114	38	161	82	252
47	Kafir, sorghum, etc., for forage.....acres..	15	212	103	69	223	251	66	251
48	Root crops for forage.....acres..	1,357	1,952	4,312	1,743	6,136	3,789	2,505	4,320
49	Maple sugar made.....pounds..	8,494	20,107	45,838	20,183	58,287	42,584	27,940	45,681
50	Maple sirup made.....gallons..	863	340	618	638	1,820	502	1,142	1,047
51	Maple sirup made.....gallons..	2,375	1,538	2,509	3,119	5,832	2,358	2,011	3,686
52	Root crops for forage.....acres..	5	20	10	4	22	2	12	16
53	Vegetables:	9	10	1,148	77	18	18	427	53
54	Potatoes (Irish or white).....bushels..	321	1,334	1,848	2,014	3,222	1,809	1,637	2,293
55	Other vegetables.....bushels..	20,232	136,678	200,030	219,911	238,663	207,941	146,409	221,537
56	Miscellaneous crops:	196	5	179	25	108	74	364	151
57	Tobacco.....acres..	-----	-----	-----	3	-----	-----	75	-----
58	Maple trees tapped.....number..	2,918	529,556	428,402	1,025	294,677	441,124	118,256	215
59	Maple sugar made.....pounds..	2,409	855,440	478,284	1,120,037	386,205	386,205	387,047	387,047
60	Maple sirup made.....gallons..	147	14,632	41,285	1,608,559	86,402	617,718	71,055	269,163
61	Maple sirup made.....gallons..	-----	-----	-----	15,039	83,190	24,846	86,498	70,233
62	<b>FRUITS.</b>								
63	Small fruits:								
64	Total.....acres..	7	14	88	16	60	64	106	128
65	Strawberries.....acres..	0,800	16,015	138,196	12,839	01,236	60,277	98,620	142,419
66	Raspberries.....acres..	3	8	46	11	17	36	37	42
67	Blackberries and dewberries.....acres..	3,385	10,146	109,575	10,354	23,924	43,073	52,256	70,527
68	Orchard fruits:	4	2	23	2	26	17	34	50
69	Total.....acres..	3,078	1,597	11,129	499	20,098	14,441	26,714	36,358
70	Apples.....bushels..	115	3,684	13,870	1,134	14,172	7,683	15,750	31,987
71	Peaches.....bushels..	11,357	4,079	14,920	4,490	41,064	9,672	48,289	24,697
72	Pears.....bushels..	33,082	21,260	62,332	22,170	86,365	43,806	148,215	97,915
73	Plums and prunes.....bushels..	55,930	24,505	80,934	23,435	93,394	55,655	177,727	123,512
74	Cherries.....bushels..	11,279	3,919	13,520	4,121	38,512	9,103	42,367	21,595
75	Apples.....bushels..	20,605	21,072	60,247	21,719	78,803	42,733	140,254	92,471
76	Peaches.....bushels..	55,579	24,497	80,798	23,401	91,093	55,536	175,085	126,640
77	Pears.....bushels..	1	112	6	517	2	3,324	68	57
78	Plums and prunes.....bushels..	12	23	478	45	728	122	810	822
79	Cherries.....bushels..	357	37	406	5	2,033	78	2,743	1,673
80	Apples.....bushels..	205	1	70	-----	1,734	13	1,688	966
81	Peaches.....bushels..	61	100	543	171	991	267	954	777
82	Pears.....bushels..	2,410	117	874	424	2,269	376	1,822	2,371
83	Plums and prunes.....bushels..	24	4	47	84	85	4	507	631
84	Cherries.....bushels..	5	37	361	147	318	178	834	1,447
85	Apples.....bushels..	660	33	694	22	2,645	617	1,432	1,343
86	Peaches.....bushels..	62	3	69	-----	58	102	81	241
87	Grapes.....vines not of bearing age..	14	11	66	-----	246	42	570	222
88	Grapes.....vines of bearing age..	154	27	229	-----	1,016	93	1,968	708
89	Grapes.....pounds harvested..	1,010	105	2,010	-----	15,858	459	23,121	12,470

COUNTY TABLE V.—MORTGAGE DEBT, 1920; AND EXPENDITURES FOR LABOR, FERTILIZER, AND FEED, 1919.

	THE STATE.	Addison.	Bennington.	Caledonia.	Chittenden.	Essex.	Franklin.
MORTGAGE DEBT REPORTS: 1920.							
For all farms operated by owners:							
Number free from mortgage debt.....	12,132	951	731	1,056	576	341	784
Number with mortgage debt.....	12,225	827	342	1,041	966	275	1,002
Number with no mortgage report.....	764	70	71	48	87	6	94
For farms consisting of owned land only:							
Number of farms reporting amount of debt.....	11,504	741	324	1,004	884	263	966
Value of land and buildings.....dollars..	61,070,552	5,131,323	1,193,157	5,266,962	6,302,580	1,132,950	8,065,770
Amount of mortgage debt.....dollars..	23,575,778	1,700,533	374,476	1,634,912	2,656,500	384,055	3,298,123
Ratio of debt to value.....per cent..	38.6	35.6	31.4	31.0	42.1	33.9	40.9
Average rate of interest paid.....per cent..	5.4	5.4	5.4	5.6	5.3	5.5	5.2
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.							
Labor:							
Farms reporting.....number.....	18,171	1,672	814	1,391	1,395	425	1,605
Total expenditure.....dollars.....	7,712,305	870,264	417,831	651,240	770,323	158,710	904,853
Amount in cash.....dollars.....	5,788,588	640,943	348,533	444,026	610,368	124,218	700,272
Value of rent and board furnished.....dollars.....	1,923,717	229,321	74,248	207,214	159,955	34,492	204,581
Fertilizer:							
Farms reporting.....number.....	14,568	901	629	1,087	1,023	304	1,435
Amount expended.....dollars.....	837,273	68,422	48,256	57,458	91,611	18,941	93,127
Feed:							
Farms reporting.....number.....	25,389	1,885	1,127	2,083	1,834	598	2,104
Amount expended.....dollars.....	11,070,656	755,053	391,359	1,295,514	1,002,055	204,767	1,008,575

	Grand Isle.	Lamolle.	Orange.	Orleans.	Rutland.	Washington.	Windham.	Windsor.
MORTGAGE DEBT REPORTS: 1920.								
For all farms operated by owners:								
Number free from mortgage debt.....	144	520	1,327	866	1,222	1,081	1,031	1,502
Number with mortgage debt.....	120	879	1,014	1,475	893	1,204	821	1,856
Number with no mortgage report.....	39	60	66	21	79	39	29	55
For farms consisting of owned land only:								
Number of farms reporting amount of debt.....	122	854	959	1,434	818	1,141	732	1,262
Value of land and buildings.....dollars..	779,150	4,552,520	3,554,205	8,816,495	3,860,785	5,151,700	2,760,025	4,502,950
Amount of mortgage debt.....dollars..	226,198	1,768,366	1,431,265	4,280,719	1,259,679	1,944,908	842,951	1,683,043
Ratio of debt to value.....per cent..	29.0	38.8	40.3	48.6	32.6	37.8	30.5	37.4
Average rate of interest paid.....per cent..	5.4	5.5	5.4	5.6	5.3	5.5	5.4	5.5
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.								
Labor:								
Farms reporting.....number.....	257	944	1,608	1,511	1,812	1,489	1,193	1,955
Total expenditure.....dollars.....	142,431	258,518	458,145	537,061	861,708	510,138	497,376	645,207
Amount in cash.....dollars.....	101,734	194,372	387,709	391,809	637,634	330,755	408,618	497,490
Value of rent and board furnished.....dollars.....	40,695	64,146	118,433	145,252	224,014	179,383	94,268	147,717
Fertilizer:								
Farms reporting.....number.....	225	893	1,341	1,302	1,133	1,510	1,161	1,709
Amount expended.....dollars.....	13,025	46,353	107,534	47,328	65,949	75,189	33,321	90,826
Feed:								
Farms reporting.....number.....	327	1,449	2,365	2,254	2,284	2,277	1,853	2,918
Amount expended.....dollars.....	56,532	591,602	1,108,622	1,053,603	907,632	761,484	658,924	1,155,034

# MASSACHUSETTS.

## INTRODUCTION.

In the following pages are presented all the statistics of agriculture for Massachusetts collected at the census of 1920, except a few minor items which are given in the state tables of the United States summary, at the beginning of this volume, and certain detailed tabulations which appear in Volume V of the Fourteenth Census Reports. The statistics of farms and farm property, including live stock, relate to January

1, 1920; those of live-stock products, crops, and farm expenditures are for the calendar year 1919. In order to show the present tendency in agriculture, comparative figures for the census of 1910 are given throughout; and to show the general trend of the agricultural industry over a considerable period of time, all general farm information available is presented for the different censuses since 1850.

## FARMS AND FARM PROPERTY.

TABLE 1.—SUMMARY: 1920 AND 1910.

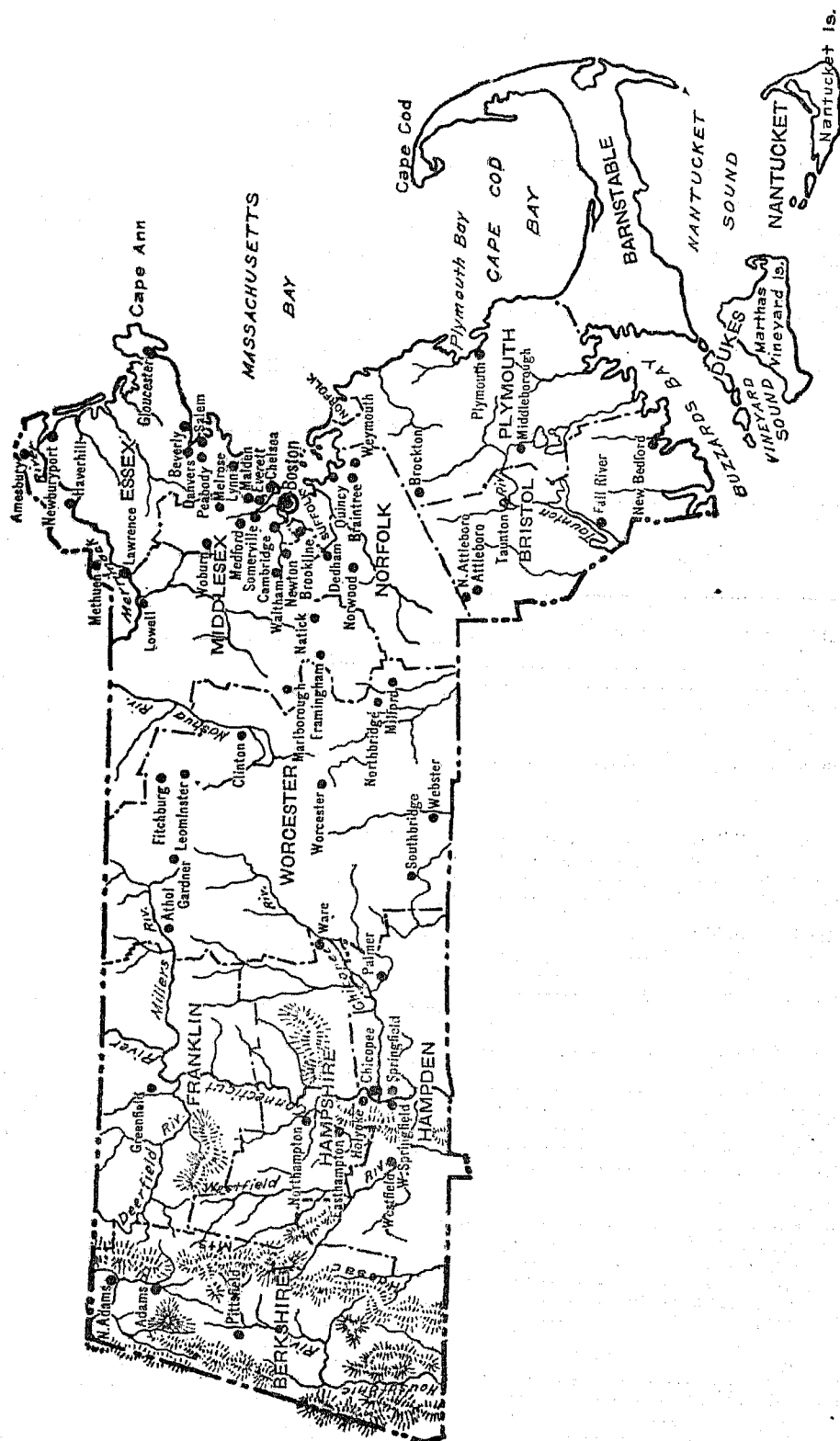
ITEM.	1920 (January 1)	1910 (April 15)	INCREASE. <sup>1</sup>	
			Amount.	Per cent.
Population, total.....	3,852,356	3,366,416	485,940	14.4
Rural <sup>2</sup> .....	202,108	241,049	-38,941	-16.2
Urban.....	3,650,248	3,125,367	524,881	16.8
Per cent rural.....	5.2	7.2		
Number of farms.....	32,001	36,917	-4,916	-13.3
Approximate land area of the state.....acres..	5,144,960	5,144,960		
All land in farms.....acres..	2,494,477	2,875,941	-381,464	-13.3
Improved land in farms.....acres..	908,834	1,164,501	-255,667	-22.0
Woodland in farms.....acres..	1,030,386	1,064,553	-34,167	-3.2
Other unimproved land in farms.....acres..	555,257	646,887	-91,630	-14.2
Per cent of land area in farms.....	48.5	55.9		
Per cent of farm land improved.....	36.4	40.5		
Average acreage per farm.....	77.9	77.9		
Average improved acreage per farm.....	28.4	31.5	-3.1	-9.8
Value of all farm property.....	\$300,471,743	\$226,474,025	\$73,997,718	32.7
Land and buildings.....	247,587,831	194,168,765	53,419,066	27.5
Land alone.....	127,659,607	105,532,616	22,120,991	21.0
Buildings.....	119,934,224	88,636,149	31,298,075	35.3
Implements and machinery.....	19,359,755	11,563,894	7,795,861	67.4
Live stock.....	33,524,157	20,741,366	12,782,791	61.6
Average value per farm:				
All farm property.....	9,389	6,135	3,254	53.0
Land and buildings.....	7,737	5,260	2,477	47.1
Land alone.....	3,989	2,859	1,130	39.5
Buildings.....	3,748	2,401	1,347	56.1
Implements and machinery.....	605	313	292	93.3
Live stock.....	1,048	562	486	86.5
Average value per acre of land in farms:				
All farm property.....	120.45	78.75	41.70	53.0
Land and buildings.....	99.25	67.51	31.74	47.0
Land alone.....	51.17	36.69	14.48	39.5
Buildings.....	48.08	30.82	17.26	56.0
Implements and machinery.....	7.76	4.02	3.74	93.0
Live stock.....	13.44	7.21	6.23	86.4

<sup>1</sup> A minus sign (—) denotes decrease.

<sup>2</sup> Population residing outside of incorporated places or towns having 2,500 inhabitants or over. The rate of increase (or decrease) in the rural population between the two censuses is affected somewhat by the fact that certain places classified as rural in 1910 had become urban by 1920. The population in 1910 of the territory classified as rural in 1920 was 208,738. For this territory, the population shows a decrease between 1910 and 1920 amounting to 1.8 per cent, which percentage indicates the rate of decline in the rural population, leaving out of consideration the changes in classification of territory.

# MASSACHUSETTS

COUNTIES, PRINCIPAL CITIES, RIVERS, AND MOUNTAINS.



EXPLANATION OF TERMS.

To assist in securing comparability for its statistics of agriculture, the Bureau of the Census provided the enumerators with certain definitions and instructions, the more important of which were essentially as given below.

**Farm.**—A "farm" for census purposes is all the land which is directly farmed by one person managing and conducting agricultural operations, either by his own labor alone or with the assistance of members of his household or hired employees. The term "agricultural operations" is used as a general term, referring to the work of growing crops, producing other agricultural products, and raising domestic animals, poultry, and bees. A "farm" as thus defined may consist of a single tract of land or of a number of separate and distinct tracts, and these several tracts may be held under different tenures, as where one tract is owned by the farmer and another tract is hired by him. When a landowner has one or more tenants, renters, croppers, or managers, the land operated by each is considered a "farm."

In applying the foregoing definition of a "farm" for census purposes, enumerators were instructed to report as a "farm" any tract of 3 or more acres used for agricultural purposes, and also any tract containing less than 3 acres which produced at least \$250 worth of farm products in the year 1919, or required for its agricultural operations the continuous services of at least one person.

**Farmer.**—A "farmer" or "farm operator," according to the census definition, is a person who directs the operation of a farm. Hence owners of farms who do not themselves direct the farm operations are not reported as "farmers." Farmers are divided by the Bureau of the Census into three general classes according to the character of their tenure, namely, owners, managers, and tenants.

**Farm owners** include (1) farmers operating their own land only and (2) those operating both their own land and some land hired from others. The latter are sometimes referred to in the census reports as "part owners," the term "full owners" being then used for those owning all their land.

**Managers** are farmers who are conducting farm operations for the owner for wages or a salary.

**Farm tenants** are farmers who, as tenants, renters, or croppers, operate hired land only. They were reported in 1920 in five classes: (1) Share tenants—those who pay a certain share of the products, as one-half, one-third, or one-quarter, for the use of the farm but furnish their own farm equipment and animals; (2) croppers—share tenants who do not furnish their work animals; (3) share-cash tenants—those who pay a share of the products for part of the land rented by them and cash for part; (4) cash tenants—those who pay a cash rental, as \$7 per acre of crop land or \$500 for the use of the whole farm; (5) standing renters—those who pay a stated amount of farm products for the use of the farm, as 3 bales of cotton or 500 bushels of corn. In some cases the character of the tenancy was not ascertained by the enumerator; such tenants are designated "unspecified."

**Farm land.**—Farm land is divided into (1) improved land, (2) woodland, and (3) other unimproved land.

**Improved land** includes all land regularly tilled or mowed, land in pasture which has been cleared or tilled, land lying fallow, land in gardens, orchards, vineyards, and nurseries, and land occupied by farm buildings.

**Woodland** includes all land covered with natural or planted forest trees which produce, or later may produce, firewood or other forest products.

**All other unimproved land** includes brush land, rough or stony land, swamp land, and any other land which is not improved or in forest.

The census classification of farm land as "improved land," "woodland," and "other unimproved land" is one not always easy for the farmers or enumerators to make, and the statistics, therefore, must be considered at best only a close approximation.

NUMBER OF FARMS, ACREAGE, AND VALUE.

TABLE 2.—NUMBER OF FARMS AND FARM ACREAGE: 1850 TO 1920.

CENSUS YEAR.	FARMS.		LAND IN FARMS.				Per cent of land area in farms.	Per cent of farm land im- proved.
	Number.	Per cent of in- crease. <sup>1</sup>	All land.		Improved land.			
			Acres.	Per cent of in- crease. <sup>1</sup>	Acres.	Per cent of in- crease. <sup>1</sup>		
1920.....	32,001	-13.3	2,494,477	-13.3	908,884	-22.0	48.5	38.4
1910.....	36,917	-2.1	2,875,941	-8.6	1,164,501	-9.9	55.9	40.5
1900.....	37,715	9.7	3,147,064	5.0	1,292,132	-22.0	61.2	41.1
1890.....	34,374	-10.5	2,998,282	-10.7	1,667,024	-22.1	58.3	55.3
1880.....	38,406	44.9	3,359,079	23.0	2,128,311	22.6	65.3	63.4
1870.....	20,500	-25.6	2,730,283	-18.2	1,730,221	-19.5	53.1	63.6
1860.....	35,601	4.5	3,338,724	-0.5	2,165,512	1.0	64.9	64.6
1850.....	34,069	.....	3,350,012	.....	2,133,436	.....	65.2	63.6

<sup>1</sup> A minus sign (—) denotes decrease.

TABLE 3.—VALUE OF FARM PROPERTY: 1850 TO 1920.

CENSUS YEAR.	ALL FARM PROPERTY.		LAND AND BUILDINGS.		IMPLEMENTS AND MACHINERY.		LIVE STOCK.	
	Value.	Per cent of increase. <sup>1</sup>	Value.	Per cent of increase. <sup>1</sup>	Value.	Per cent of increase.	Value.	Per cent of increase. <sup>1</sup>
1920.....	\$300,471,743	32.7	\$247,587,831	27.5	\$19,359,755	67.4	\$33,524,157	-61.6
1910.....	226,474,025	24.0	194,168,785	22.9	11,563,894	31.0	20,741,866	31.3
1900.....	182,646,704	23.7	153,019,290	23.0	8,828,950	48.7	15,798,464	11.3
1890.....	147,677,402	-10.1	127,538,284	-12.8	5,938,940	15.7	14,200,178	9.6
1880.....	184,288,956	48.3	146,197,415	57.0	5,134,537	28.3	12,957,004	-5.0
1870.....	110,786,313	-20.8	93,148,227	-24.4	4,000,703	2.7	13,639,383	7.1
1860.....	139,888,690	14.7	123,255,948	13.0	3,894,998	21.4	12,737,744	32.0
1850.....	121,935,641	.....	109,076,347	.....	3,209,584	.....	9,647,710	.....

<sup>1</sup> A minus sign (—) denotes decrease.

<sup>2</sup> Computed gold values, being 80 per cent of the currency values reported.

TABLE 4.—AVERAGE ACREAGE AND AVERAGE VALUE PER FARM: 1850 TO 1920.

[Averages are based on "all farms" in the state.]

CENSUS YEAR.	AVERAGE ACREAGE PER FARM.		AVERAGE VALUE PER FARM.			
	All land.	Improved land.	All farm property.	Land and buildings.	Implements and machinery.	Live stock.
1920.....	77.9	28.4	\$9,389	\$7,737	\$605	\$1,048
1910.....	77.9	31.5	6,135	5,280	313	562
1900.....	83.4	34.3	4,843	4,190	234	419
1890.....	87.2	48.2	4,296	3,710	173	413
1880.....	87.5	55.4	4,278	3,807	134	337
1870.....	103.0	65.5	4,181	3,515	151	515
1860.....	93.8	60.5	3,929	3,452	109	358
1850.....	98.5	62.6	3,579	3,202	94	283

<sup>1</sup> Computed gold values, being 80 per cent of the currency values reported.

TABLE 5.—AVERAGE VALUE PER ACRE: 1850 TO 1920.

[Averages are based on "all land in farms" in the state.]

CENSUS YEAR.	All farm property.	Land and buildings.	Land alone.	Buildings alone.	Implements and machinery.	Live stock.
1920.....	\$120.45	\$99.25	\$51.17	\$48.08	\$7.76	\$13.44
1910.....	78.75	67.51	36.69	30.82	4.02	7.21
1900.....	58.04	50.21	27.62	22.59	2.81	5.02
1890.....	49.25	42.54	.....	.....	1.98	4.74
1880.....	48.91	43.52	.....	.....	1.53	3.86
1870.....	40.58	34.12	.....	.....	1.47	5.00
1860.....	41.90	36.92	.....	.....	1.17	3.82
1850.....	36.33	32.50	.....	.....	0.96	2.87

<sup>1</sup> Computed gold values, being 80 per cent of the currency values reported.

## FARMS BY SIZE.

TABLE 6.—NUMBER OF FARMS, BY SIZE: 1920 AND 1910.

SIZE GROUP.	NUMBER OF FARMS.		INCREASE. <sup>1</sup>		PER CENT OF TOTAL.	
	1920	1910	Number.	Per cent.	1920	1910
Total.....	32,001	36,917	-4,916	-13.3	100.0	100.0
Under 20 acres.....	9,505	10,606	-1,101	-10.4	29.7	28.7
Under 3 acres.....	872	833	39	4.7	2.7	2.3
3 to 9 acres.....	4,358	4,817	-429	-8.9	13.7	13.0
10 to 19 acres.....	4,245	4,956	-711	-14.3	13.3	13.4
20 to 49 acres.....	7,532	8,890	-1,358	-15.3	23.5	24.1
50 to 99 acres.....	6,834	7,981	-1,147	-14.4	21.4	21.6
100 to 174 acres.....	4,888	5,703	-815	-14.3	15.3	15.4
175 to 499 acres.....	2,895	3,325	-430	-12.9	9.0	9.0
175 to 259 acres.....	1,840	2,147	-307	-14.3	5.7	5.8
260 to 499 acres.....	1,055	1,178	-123	-10.4	3.3	3.2
500 to 999 acres.....	265	319	-54	-16.9	0.8	0.9
1,000 acres and over.....	82	93	-11	.....	0.3	0.3

<sup>1</sup> A minus sign (-) denotes decrease. Per cent not shown when base is less than 100.

TABLE 7.—NUMBER OF FARMS AND PER CENT DISTRIBUTION, BY SIZE: 1880 TO 1920.

SIZE GROUP.	1920	1910	1900	1890	1880
Total number of farms.....	32,001	36,917	37,715	34,374	38,406
Under 10 acres.....	5,260	5,650	4,565	2,410	2,451
10 to 19 acres.....	4,245	4,956	4,324	3,621	3,865
20 to 49 acres.....	7,532	8,890	8,375	8,457	9,632
50 to 99 acres.....	6,834	7,981	8,010	8,334	10,587
100 to 499 acres.....	7,783	9,028	10,627	10,648	11,588
500 to 999 acres.....	265	319	339	256	243
1,000 acres and over.....	82	93	75	48	40
Per cent of all farms.....	100.0	100.0	100.0	100.0	100.0
Under 10 acres.....	16.4	15.3	12.1	7.0	6.4
10 to 19 acres.....	13.3	13.4	11.5	10.5	10.1
20 to 49 acres.....	23.5	24.1	23.5	24.6	25.1
50 to 99 acres.....	21.4	21.6	23.6	26.0	27.6
100 to 499 acres.....	24.3	24.5	28.2	31.0	30.2
500 to 999 acres.....	0.8	0.9	0.9	0.7	0.6
1,000 acres and over.....	0.3	0.3	0.2	0.1	0.1

TABLE 8.—FARM ACREAGE AND VALUE, BY SIZE OF FARM: 1920 AND 1910.

SIZE GROUP (ACRES).	ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.	
	1920	1910	1920	1910	1920	1910
Total.....	2,494,477	2,875,941	908,834	1,164,501	\$247,587,831	\$194,168,765
Under 20.....	84,539	96,041	69,866	47,229	966	39,272,556
20 to 49.....	242,466	287,506	124,838	156,802	45,327	151
50 to 99.....	474,580	554,699	202,486	252,447	50,631	464
100 to 174.....	618,820	721,710	227,593	290,707	44,674	543
175 to 499.....	738,572	840,139	226,702	278,531	42,451	796
500 to 999.....	168,420	197,218	38,719	47,817	9,549	210
1,000 and over.....	172,086	178,625	29,452	68,228	7,723	755

TABLE 9.—PER CENT OF FARM LAND IMPROVED, AND AVERAGE VALUES, BY SIZE OF FARM: 1920 AND 1910.

SIZE GROUP.	PER CENT OF FARM LAND IMPROVED.		AVERAGE VALUE OF LAND AND BUILDINGS.			
			Per farm.		Per acre.	
	1920	1910	1920	1910	1920	1910
Total.....	38.4	40.5	\$7,737	\$5,260	\$39.25	\$67.51
Under 20 acres.....	69.8	72.8	4,969	3,703	558.72	408.91
20 to 49 acres.....	51.5	54.6	6,018	4,124	186.94	127.53
50 to 99 acres.....	42.7	45.5	7,400	5,130	108.69	73.80
100 to 174 acres.....	36.9	40.3	9,140	6,113	72.19	48.31
175 to 499 acres.....	30.9	33.2	14,064	9,654	57.87	38.21
500 to 999 acres.....	23.0	24.2	36,035	19,985	56.70	32.33
1,000 acres and over.....	17.1	38.2	94,192	42,533	44.68	22.14

## FARMS BY TENURE.

TABLE 10.—NUMBER OF FARMS, BY TENURE: 1920 AND 1910.

TENURE.	NUMBER OF FARMS.		INCREASE. <sup>1</sup>		PER CENT OF TOTAL.	
	1920	1910	Number.	Per cent.	1920	1910
Total.....	32,001	36,917	-4,916	-13.3	100.0	100.0
Owners.....	28,087	32,075	-3,988	-12.4	87.8	86.9
Owning entire farm.....	26,515	30,705	-4,190	-13.6	82.9	83.2
Hiring additional land.....	1,572	1,370	202	14.7	4.9	3.7
Managers.....	1,627	1,863	-236	-12.7	5.1	5.0
Tenants.....	2,287	2,979	-692	-23.2	7.1	8.1
Share tenants.....	330	214	116	54.2	1.0	0.6
Share-cash tenants.....	23	43	-20	.....	0.1	0.1
Cash tenants.....	1,766	2,115	-349	-16.5	5.5	5.7
Unspecified.....	168	607	-439	-72.3	0.5	1.6

<sup>1</sup> A minus sign (-) denotes decrease. Per cent not shown when base is less than 100.

TABLE 11.—NUMBER OF FARMS AND PER CENT DISTRIBUTION, BY TENURE: 1880 TO 1920.

TENURE.	1920	1910	1900	1890	1880
Total number of farms.....	32,001	36,917	37,715	34,374	38,406
Farms operated by owners.....	28,087	32,075	32,581	31,177	35,286
Owning entire farm.....	26,515	30,705	31,002	(*)	(*)
Hiring additional land.....	1,572	1,370	1,579	(*)	(*)
Farms operated by managers.....	1,627	1,863	1,531	(*)	(*)
Farms operated by tenants.....	2,287	2,979	3,603	3,197	3,140
Share tenants.....	330	214	482	893	848
Share-cash tenants.....	23	43	.....	.....	.....
Cash tenants.....	1,766	2,115	3,121	2,304	2,292
Unspecified.....	168	607	.....	.....	.....
Per cent of all farms.....	100.0	100.0	100.0	100.0	100.0
Operated by owners.....	87.8	86.9	86.4	90.7	91.8
Owning entire farm.....	82.9	83.2	82.2	(*)	(*)
Hiring additional land.....	4.9	3.7	4.2	(*)	(*)
Operated by managers.....	5.1	5.0	4.1	(*)	(*)
Operated by tenants.....	7.1	8.1	9.6	9.3	8.2
Share and share-cash.....	1.1	0.7	1.3	2.6	2.2
Cash and unspecified.....	6.0	7.4	8.3	6.7	6.0

<sup>1</sup> Includes farms operated by managers.

<sup>2</sup> Not reported separately.

<sup>3</sup> Included with farms operated by owners.

TABLE 12.—FARM ACREAGE AND VALUE, BY TENURE: 1920 AND 1910.

TENURE.	ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.	
	1920	1910	1920	1910	1920	1910
Total.....	2,494,477	2,875,941	908,834	1,164,501	\$247,587,831	\$194,168,765
Owners.....	2,021,920	2,343,103	744,523	931,621	182,098,530	144,241,398
Managers.....	813,085	330,914	104,650	150,206	50,988,024	86,745,990
Tenants.....	159,462	201,924	59,661	82,674	14,501,277	13,181,377

TABLE 13.—PER CENT DISTRIBUTION OF FARMS AND OF FARM ACREAGE AND VALUE, BY TENURE: 1920 AND 1910.

TENURE.	NUMBER OF FARMS.		ALL LAND IN FARMS.		IMPROVED LAND IN FARMS.		VALUE OF LAND AND BUILDINGS.	
	1920	1910	1920	1910	1920	1910	1920	1910
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	87.8	86.9	81.1	81.5	81.9	80.0	73.5	74.3
Managers.....	5.1	5.0	12.6	11.5	11.5	12.9	20.6	18.0
Tenants.....	7.1	8.1	6.4	7.0	6.6	7.1	5.9	6.8

TABLE 14.—AVERAGE ACREAGE, PER CENT OF FARM LAND IMPROVED, AND AVERAGE VALUES, BY TENURE: 1920 AND 1910.

TENURE.	AVERAGE ACREAGE PER FARM.				PER CENT OF FARM LAND IMPROVED.		AVERAGE VALUE OF LAND AND BUILDINGS.			
	All land.		Improved land.				Per farm.		Per acre.	
	1920	1910	1920	1910	1920	1910	1920	1910	1920	1910
Total.....	77.9	77.9	28.4	31.5	36.4	40.5	\$7,737	\$5,280	\$99.25	\$67.51
Owners.....	72.0	73.1	26.5	29.0	38.8	39.8	6,483	4,497	90.06	61.56
Managers.....	192.4	177.6	64.3	80.6	33.4	45.4	31,339	19,724	162.85	111.64
Tenants.....	69.7	67.8	26.1	27.8	37.4	40.9	6,341	4,425	90.94	65.28

FARMS BY SEX, RACE, AND NATIVITY OF FARMER.

TABLE 15.—NUMBER, ACREAGE, AND VALUE OF FARMS, CLASSIFIED BY SEX AND TENURE OF FARMER: 1920.

SEX AND TENURE.	Number of farms.	All land in farms (acres).	Improved land in farms (acres).	Value of land and buildings.	AVERAGE PER FARM.		
					All land (acres).	Improved land (acres).	Value of land and buildings.
Total.....	32,001	2,494,477	908,834	\$247,587,831	77.9	28.4	\$7,737
Male.....	30,028	2,376,233	864,452	235,500,822	79.1	28.8	7,843
Female.....	1,975	118,244	44,382	12,087,009	69.9	22.5	6,120
Owners.....	28,087	2,021,920	744,523	182,098,530	72.0	26.5	6,483
Male.....	26,205	1,909,751	702,229	170,560,646	72.9	26.8	6,509
Female.....	1,882	112,169	42,294	11,537,884	69.6	22.5	6,131
Managers.....	1,627	313,095	104,650	50,968,024	192.4	64.3	31,339
Male.....	1,618	311,730	104,263	50,848,874	192.7	64.4	31,427
Female.....	9	1,365	387	119,150	151.7	43.0	15,461
Tenants.....	2,287	159,462	59,661	14,501,277	69.7	26.1	6,341
Male.....	2,208	154,752	57,960	14,091,302	70.2	26.3	6,396
Female.....	84	4,710	1,701	409,975	66.1	20.3	4,881

TABLE 16.—NUMBER, ACREAGE, AND VALUE OF FARMS, CLASSIFIED BY NATIVITY OF WHITE FARMERS AND BY RACE OF COLORED FARMERS: 1920 AND 1910.

COLOR AND NATIVITY OR RACE.	NUMBER OF FARMS.		LAND IN FARMS, 1920 (ACRES).		Value of land and buildings, 1920
	1920	1910	Total.	Im-proved.	
All farmers.....	32,001	36,917	2,494,477	908,834	\$247,587,831
White farmers.....	21,880	36,793	2,488,887	906,399	247,214,036
Native <sup>1</sup> .....	22,950	28,431	1,968,970	701,343	182,610,375
Foreign-born.....	8,930	8,362	519,917	205,056	64,603,661
Country of birth:					
Austria.....	352	255	19,951	7,642	1,002,159
Canada.....	2,076	2,277	124,652	52,512	13,878,557
England.....	740	994	49,066	15,997	9,881,427
Finland.....	434	( <sup>2</sup> )	26,262	8,501	1,462,740
Germany.....	380	598	25,076	8,916	2,394,780
Ireland.....	796	1,572	46,303	20,520	8,336,621
Italy.....	687	195	30,000	13,664	4,169,600
Poland.....	557	208	30,875	11,293	2,587,330
Portugal.....	368	( <sup>2</sup> )	15,517	6,290	1,862,600
Russia.....	628	421	42,293	15,427	3,458,323
Scotland.....	221	231	17,748	7,571	4,425,650
Sweden.....	577	520	30,758	11,494	3,612,395
Other countries.....	1,114	1,096	61,424	25,250	6,931,470
Colored farmers.....	121	124	5,590	2,435	373,795
Negro.....	103	103	4,815	2,270	345,800
Indian.....	18	21	775	165	27,995

<sup>1</sup> Includes farmers with country of birth not reported, as follows: For 1920, 563; for 1910, 321.

<sup>2</sup> Included with "other countries."

TABLE 17.—NUMBER OF FARMERS, CLASSIFIED BY TENURE, COLOR, AND NATIVITY: 1920 AND 1910.

TENURE.	ALL FARMERS.		NATIVE WHITE. <sup>1</sup>		FOREIGN-BORN WHITE.		COLORED.	
	1920	1910	1920	1910	1920	1910	1920	1910
Total.....	32,001	36,917	22,950	28,431	8,930	8,362	121	124
Owners.....	28,087	32,075	20,157	24,857	7,823	7,109	107	109
Managers.....	1,627	1,863	1,191	1,401	429	458	7	4
Tenants.....	2,287	2,979	1,602	2,173	678	795	7	11

<sup>1</sup> Includes farmers with country of birth not reported.

FARM MORTGAGES.

TABLE 18.—MORTGAGED FARMS: 1920 AND 1910.

[Owned farms only; includes all farms owned in whole or in part by the operator.]

CLASS.	NUMBER OF OWNED FARMS.		INCREASE. <sup>1</sup>		PER CENT OF TOTAL.	
	1920	1910	Number.	Per cent.	1920	1910
Total.....	28,087	32,075	-3,988	-12.4	100.0	100.0
Free from mortgage.....	14,055	18,708	-4,713	-25.1	50.0	58.5
Mortgaged.....	12,632	13,014	-382	-2.9	45.0	40.6
Unknown.....	1,400	293	1,107	377.8	5.0	0.9

<sup>1</sup> A minus sign (-) denotes decrease. The comparative figures shown for farms free from mortgage and mortgaged are affected somewhat by the fact that more farms were tabulated as "unknown" in 1920 than in 1910.

TABLE 19.—MORTGAGED FARMS (OR FARM HOMES): 1890 TO 1920.

CLASS.	OWNED FARMS.		OWNED FARM HOMES.		PER CENT OF TOTAL.			
	1920	1910	1900	1890	1920	1910	1900	1890
Total.....	28,087	32,075	31,587	29,370	100.0	100.0	100.0	100.0
Free from mortgage.....	14,055	18,708	18,971	20,425	50.0	58.5	60.1	69.5
Mortgaged.....	12,632	13,014	11,941	8,945	45.0	40.6	37.8	30.5
Unknown.....	1,400	293	675	.....	5.0	0.9	2.1	.....

TABLE 20.—MORTGAGE DEBT: 1920 AND 1910.

ITEM.	OWNED FARMS MORTGAGED. <sup>1</sup>		INCREASE. <sup>2</sup>	
	1920	1910	Amount.	Per cent.
Number of farms reporting amount of debt.....	11,663	12,030	-367	-3.1
Value of land and buildings.....	\$70,745,237	\$49,742,396	\$21,002,841	42.2
Amount of mortgage debt.....	\$23,412,188	\$16,371,484	\$7,040,704	43.0
Ratio of debt to value, per cent.....	33.1	32.9	.....	.....
Average rate of interest paid, per cent.....	5.7	.....	.....	.....
Average value per farm.....	\$6,066	\$4,135	\$1,931	46.7
Average debt per farm.....	\$2,007	\$1,361	\$646	47.5
Average equity per farm.....	\$4,058	\$2,774	\$1,284	46.3

<sup>1</sup> Includes only farms consisting wholly of owned land and reporting amount of debt. In considering the comparative figures it should be borne in mind that the mortgage debt may have been more completely reported at one census than at the other.

<sup>2</sup> A minus sign (-) denotes decrease.

FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED.

TABLE 21.—FARMS REPORTING EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919 AND 1909.

ITEM.	NUMBER OF FARMS REPORTING.		INCREASE. <sup>1</sup>		PER CENT OF ALL FARMS.	
	1919	1909	Number.	Per cent.	1919	1909
Labor.....	18,322	26,758	-8,436	-31.5	57.3	72.5
Fertilizer.....	10,992	21,689	-10,697	-21.7	53.1	58.8
Feed.....	27,853	30,500	-2,647	-8.7	87.0	82.6

<sup>1</sup> A minus sign (-) denotes decrease.

TABLE 22.—AMOUNT OF EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919 AND 1909.

ITEM.	AMOUNT EXPENDED.		INCREASE.	
	1919	1909	Amount.	Per cent.
Labor, total.....	\$16,577,123	\$12,101,959	\$4,475,164	37.0
Amount in cash.....	13,929,305	9,906,309	4,023,096	40.6
Value of rent and board furnished.....	2,647,818	2,195,750	452,068	20.6
Fertilizer.....	3,906,733	1,665,682	1,941,051	98.7
Feed.....	20,272,851	10,578,178	9,394,673	86.4



## LIVE STOCK ON FARMS AND ELSEWHERE.

(DOMESTIC ANIMALS, POULTRY, AND BEES.)

Domestic animals: 1920 and 1910.—The census of 1920 was taken as of January 1 and that of 1910 as of April 15. Since a great many domestic animals are born during the period between January 1 and April 15 and, on the other hand, a considerable number of older animals are slaughtered or die during the same period, the numbers of the different classes of animals for the two censuses are not fully comparable. In addition to the change in the date of enumeration, there have been certain changes in the age and sex classifications. The 1910 figures presented in the following tables are therefore restricted to those classes of domestic animals which are least affected by these changes and for which the figures are fairly comparable with the 1920 returns.

Dairy cows: 1920 and 1910.—In 1910 the census called for "cows and heifers kept for milk" and "cows and heifers *not* kept for milk." The instructions read: "Report as cows kept for milk those whose milk is used in some form for human food. Cows milked for three months during the year should be reported as *kept for milk*, although a part of the year they run with their calves."

In 1920 the census called for "dairy cattle" and "beef cattle." Dairy cattle were defined as those "kept mainly for milk production," and the following instructions were given the enumerators: "Classify all cattle as beef cattle or as dairy cattle according to the principal purpose for which they are kept." It is believed that under this rule the fully established dairy and beef breeds have been properly reported, with few errors, and that cattle of the dual-purpose breeds or of no definite breeding have been placed in one class or the other, according to the principal purpose for which they are kept.

In states where cattle are raised extensively for beef production the result of this new classification will be to reduce materially the proportion of cows classified as dairy cows, and even in states having few strictly beef cattle the 1920 classification may be expected to give a somewhat smaller proportion of dairy cows than the 1910 classification.

In Massachusetts the number of "dairy cows," including heifers 1 year old and over, reported for January 1, 1920, was 173,844, as compared with 171,936 "cows kept for milk" reported for April 15, 1910. This represents an increase of 1,908, or 1.1 per cent. The number of "beef cows" reported for

January 1, 1920, was 5,850, as compared with 20,100 "cows not kept for milk" reported for April 15, 1910, representing a decrease of 14,250, or 70.9 per cent.

Farms reporting domestic animals: 1910.—Horses were reported by 28,173 farms in Massachusetts in 1910, mules by 155 farms, cattle by 27,532, sheep by 1,028, and swine by 11,005. In comparing these figures with the 1920 figures given in the table below, due allowance should be made for the fact that the total number of farms in Massachusetts decreased from 36,917 in 1910 to 32,001 in 1920.

TABLE 23.—DOMESTIC ANIMALS ON FARMS: 1920.

CLASS.	FARMS REPORTING.		ANIMALS.		
	Num-ber.	Per cent of all farms.	Num-ber.	Value.	Aver- age value.
Total.....	27,508	88.0		\$80,512,291	.....
Horses, total.....	23,871	74.0	50,605	7,771,029	\$153.56
Colts under 1 year of age.....	629	2.0	1,111	128,138	115.34
Colts 1 year old and under 2 years.....	391	1.2	529	66,688	126.06
Mares 2 years old and over.....	10,140	31.7	14,980	2,177,663	145.37
Geldings 2 years old and over.....	18,346	57.3	33,461	5,255,936	157.08
Stallions 2 years old and over.....	366	1.1	524	142,604	272.15
Mules, total.....	177	0.6	332	44,251	133.29
Mule colts under 1 year of age.....	5	( <sup>1</sup> )	6	475	79.17
Mule colts 1 year old and under 2 years.....	11	( <sup>1</sup> )	16	2,125	132.81
Mules 2 years old and over.....	169	0.5	310	41,651	134.36
Asses and burros.....	40	0.1	52	4,270	82.12
Cattle, total.....	23,900	74.7	216,099	20,093,098	92.98
Beef cattle, total.....	2,185	6.8	10,089	780,228	75.35
Calves under 1 year of age.....	657	2.1	1,823	57,936	31.78
Heifers 1 year old and under 2 years.....	474	1.5	1,317	71,508	54.30
Cows and heifers 2 years old and over.....	1,039	3.2	4,533	414,216	91.38
Steers 1 year old and under 2 years.....	298	0.9	760	44,836	55.99
Steers 2 years old and over.....	448	1.4	1,242	137,575	110.77
Bulls 1 year old and over.....	325	1.0	414	34,157	82.50
Dairy cattle, total.....	23,224	72.6	206,010	19,332,870	93.84
Calves under 1 year of age.....	10,031	31.3	26,618	962,572	36.16
Heifers 1 year old and under 2 years.....	10,249	32.0	28,513	1,600,150	60.35
Cows and heifers 2 years old and over.....	22,551	70.5	147,331	15,993,976	108.56
Bulls 1 year old and over.....	4,531	14.2	5,548	776,172	139.90
Sheep, total.....	939	2.9	18,880	237,023	12.55
Lambs under 1 year of age.....	595	1.9	4,748	43,270	9.11
Ewes 1 year old and over.....	787	2.5	11,896	164,755	13.85
Rams 1 year old and over.....	490	1.4	692	17,708	25.58
Wethers 1 year old and over.....	74	0.2	1,544	11,295	7.32
Goats, total.....	271	0.8	1,296	22,506	18.14
Kids under 1 year of age, raised for fleeces.....	6	( <sup>1</sup> )	38	618	16.26
Goats 1 year old and over, raised for fleeces.....	15	( <sup>1</sup> )	149	2,680	17.99
All other goats.....	267	0.8	1,109	20,208	18.22
Swine, total.....	15,489	48.4	104,192	2,339,114	22.45
Pigs under 6 months old.....	8,561	26.8	53,757	604,367	11.24
Sows and gilts for breeding, 6 months old and over.....	4,509	14.1	17,742	696,939	39.28
Bears for breeding, 6 months old and over.....	1,457	4.6	2,042	106,707	52.26
All other hogs, 6 months old and over.....	7,739	24.2	30,651	931,101	30.38

<sup>1</sup> Less than one-tenth of 1 per cent.

TABLE 24.—POULTRY AND BEES ON FARMS: 1920 AND 1910.

ITEM.	FARMS REPORTING, 1920.		NUMBER REPORTED. <sup>1</sup>		Value, 1920	Average value, 1920
	Number.	Per cent of all farms.	1920 (Jan. 1)	1910 (Apr. 15)		
Poultry, total.....	25,650	80.2	1,517,477	*1,798,380	\$2,951,001	\$1.94
Chickens.....	25,425	79.5	1,455,193	1,709,834	2,823,802	1.194
Turkeys.....	747	2.3	4,803	2,645	24,858	5.17
Ducks.....	1,729	5.4	39,473	23,153	66,720	1.83
Geese.....	1,014	3.2	4,896	12,313	21,292	4.35
Guinea fowls.....	657	2.1	3,717	4,446	4,727	1.27
Pigeons.....	537	1.7	12,385	44,830	9,596	0.77
Hives of bees.....	1,341	4.2	8,573	7,464	60,895	9.26

<sup>1</sup> The numbers of the different classes of poultry are not strictly comparable for the two censuses, since a considerable number of fowls are killed between Jan. 1 and Apr. 15.

\* Includes small numbers of peafowls and pheasants.

TABLE 25.—SELECTED CLASSES OF DOMESTIC ANIMALS ON FARMS: 1920 AND 1910.

CLASS.	NUMBER.		INCREASE. <sup>1</sup>	
	1920 (Jan. 1)	1910 (Apr. 15)	Number.	Per cent.
Horses:				
Total, excluding spring colts reported for 1910.....	50,005	64,109	-13,504	-21.1
Colts under 1 year old on Jan. 1 of census year.....	1,111	948	163	17.2
Horses 1 year old and over on Jan. 1 of census year.....	49,404	63,161	-13,667	-21.6
Mules:				
Total, excluding spring colts reported for 1910.....	332	264	68	25.8
Mule colts under 1 year old on Jan. 1 of census year.....	6	5	1	.....
Mules 1 year old and over on Jan. 1 of census year.....	326	259	67	25.9
Cattle:				
Total, excluding spring calves reported for 1910.....	216,099	226,845	-10,746	-4.7
Calves under 1 year old on Jan. 1 of census year.....	28,441	26,421	2,020	7.3
Cows and heifers 1 year old and over on Jan. 1 of census year.....	179,604	192,036	-12,342	-6.4
Steers and bulls 1 year old and over on Jan. 1 of census year.....	7,964	5,388	2,576	47.8
Sheep:				
Total, excluding spring lambs reported for 1910.....	18,880	22,099	-3,819	-16.8

<sup>1</sup> A minus sign (-) denotes decrease. Per cent not shown when base is less than 100.

TABLE 26.—DOMESTIC ANIMALS NOT ON FARMS: 1920 AND 1910.

CLASS.	INCLOSURES REPORTING.		ANIMALS.			
	1920 (Jan. 1)	1910 (Apr. 15)	Number.		Increase. <sup>1</sup>	
			1920 (Jan. 1)	1910 (Apr. 15)	Number.	Per cent.
Total.....	31,207	43,063	.....	.....	.....	.....
Horses.....	17,573	37,659	50,775	115,186	-64,411	-55.9
Horses 1 year old and over on Jan. 1 of census year.....	.....	.....	50,000	114,944	-64,944	-56.5
Mules.....	152	112	534	271	263	97.0
Mules 1 year old and over on Jan. 1 of census year.....	.....	.....	507	289	238	88.5
Asses and burros.....	61	26	79	36	43	.....
Cattle.....	10,440	9,802	21,500	19,896	1,604	8.1
Cattle 1 year old and over on Jan. 1 of census year.....	.....	.....	19,548	17,022	2,526	14.8
Sheep.....	126	92	972	4,329	-3,357	-77.5
Goats.....	575	359	1,016	643	373	58.0
Swine.....	12,954	3,671	51,498	12,010	39,488	323.8

<sup>1</sup> A minus sign (-) denotes decrease. Per cent not shown when base is less than 100.

TABLE 27.—TOTAL NUMBER OF DOMESTIC ANIMALS: 1920.

CLASS.	Total.	On farms.	Not on farms.
Horses.....	101,380	50,005	50,775
Horses 2 years old and over.....	98,080	48,965	49,695
Mules.....	866	332	534
Mules 2 years old and over.....	785	310	475
Asses and burros.....	131	52	79
Cattle.....	237,599	216,099	21,500
Beef cattle.....	12,127	10,089	2,038
Dairy cattle.....	225,472	206,010	19,462
Dairy cows.....	162,762	147,331	15,421
Sheep.....	19,852	18,880	972
Goats.....	2,312	1,266	1,046
Swine.....	155,690	104,192	51,498

### LIVE-STOCK PRODUCTS.

Farm value of live-stock products: 1919 and 1909.—The Thirteenth Census schedule called for the total value as well as the total quantity of all live-stock products, whether sold or consumed on the farm. The 1909 values are therefore based directly on the reported figures. But in the Fourteenth Census schedule the question as to value in the case of dairy products, eggs, and chickens was restricted to the amounts sold. The 1919 value of butter made on farms has been computed on the basis of the average value received per pound for butter sold; the values of eggs produced and chickens raised have been computed in a similar way. The values of cheese made on farms and of honey and wax produced have been computed on the basis of average values per pound secured through the Bureau of Crop Estimates of the Department of Agriculture. The method of obtaining these average values was the same as that used for securing average values for the important crops, which is described in a later paragraph.

Dairy products.—It is difficult to secure reports of the total quantity of milk produced during a given year, especially from farmers who keep cows chiefly to supply milk and butter for family use. Since such farmers usually keep no records, they are able to make only rough estimates of the milk production and frequently underestimate the quantity of milk produced for home use. Many farmers, too, either because they are unwilling to make any estimates or for other reasons, fail to report their milk production, even though they report butter or other dairy products as well as dairy cows.

For several decades past the Bureau of the Census has made estimates for such incomplete reports, where the farmer reported "cows kept for milk," but failed to report the amount of milk produced, these estimates being based on the average production per cow as shown by the complete reports. Since farmers with first-class dairy herds and up-to-date methods are more likely to make complete reports than those with cows of a lower grade, the estimates obtained in this way have probably been somewhat above the actual production. With the new basis of classification for dairy cows in

use for 1920, however, as already noted, the estimates should be more satisfactory than heretofore, since milk will be estimated only for cows kept mainly for milk production.

In the table which follows, both the actual reported quantity of milk produced and the estimated total are given. The latter includes, in addition to the milk reported, an estimate of the amount of milk produced on farms which reported dairy cows but failed to report milk. A certain quantity of milk, on the other hand, was reported from farms which reported no dairy cows. This is included in the total and may represent either milk produced by beef cows milked a part of the year on farms having no dairy cows or milk produced on farms which kept dairy cows some time during the year 1919, but had none on January 1, 1920. It may be safely assumed that the returns for butter and cheese made on farms and for milk, cream, butter fat, and butter sold, are much more nearly complete than in the case of milk produced. Hence no estimates have been made for these items.

TABLE 28.—DAIRY COWS ON FARMS, 1920; AND DAIRY PRODUCTS, 1919 AND 1909.

ITEM.	FARMS REPORTING.		Number or quantity.	Unit.	Value.
	Number.	Per cent of all farms.			
Dairy cows on farms Jan. 1, 1920, total.....	22,551	70.5	147,331	Head	.....
On farms reporting milk produced.....	19,837	62.0	132,129	Head	.....
On farms not reporting milk produced.....	2,714	8.5	15,202	Head	.....
Average production of milk per dairy cow, 1919 <sup>1</sup> .....			506	Gals.	.....
Specified dairy products:					
Milk, as reported.....1919.....			68,624,097	Gals.	.....
.....1909.....			86,304,347	Gals.	.....
Increase, 1909-1919 <sup>2</sup> .....			-17,680,250	Gals.	.....
Per cent of increase <sup>3</sup> .....			-20.5		.....
Total production of milk, including estimates.....1919.....			76,316,309	Gals.	.....
Butter made.....1919.....	7,361	23.0	2,019,231	Lbs.	\$1,261,218
.....1909.....	9,035	24.5	2,364,516	Lbs.	\$1,041,482
Cheese made.....1919.....	314	1.0	60,796	Lbs.	\$23,709
.....1909.....	80	0.2	45,753	Lbs.	\$5,311
Milk sold.....1919.....	14,681	45.9	55,676,858	Gals.	\$22,098,329
.....1909.....	15,703	42.5	64,496,692	Gals.	\$13,297,684
Cream sold.....1919.....	991	3.1	310,918	Gals.	\$472,840
.....1909.....	905	2.5	501,576	Gals.	\$475,824
Butter fat sold.....1919.....	629	2.0	506,851	Lbs.	\$308,826
.....1909.....	1,123	3.0	1,148,019	Lbs.	\$367,523
Butter sold.....1919.....	3,358	10.5	1,282,887	Lbs.	\$799,048
.....1909.....	4,557	12.3	2,220,811	Lbs.	\$696,336
Value of milk, cream, and butter fat sold, and of butter and cheese made <sup>4</sup> .....1919.....					\$24,765,522
.....1909.....					\$15,187,774
Increase, 1909-1919.....					\$9,577,748
Per cent of increase.....					63.1
Receipts from sale of dairy products <sup>5</sup> .....1919.....					\$24,279,643
.....1909.....					\$14,840,327
Increase, 1909-1919.....					\$9,438,716
Per cent of increase.....					63.6

<sup>1</sup> Based on the 1919 milk production as reported for dairy cows, and the number of dairy cows on hand Jan. 1, 1920.

<sup>2</sup> A minus sign (-) denotes decrease.

<sup>3</sup> This item represents the total farm value of dairy products, excluding milk and cream consumed as such on the farm where produced.

<sup>4</sup> Figures for 1919 do not include "cheese sold," as that item was not reported for 1919. The value of cheese sold in 1909 was \$3,610.

TABLE 29.—SHEEP ON FARMS, 1920 AND 1910; GOATS ON FARMS, 1920; AND WOOL AND MOHAIR PRODUCED, 1919 AND 1909.

ITEM.	Farms reporting.	Number of sheep (or goats) on hand.	WOOL (OR MOHAIR) PRODUCED.		
			Number of animals shorn.	Weight (pounds).	Value.
Sheep on farms Jan. 1, 1920, total.....	939	18,880	.....	.....	.....
On farms reporting wool.....	624	16,745	.....	.....	.....
On farms not reporting wool.....	315	2,135	.....	.....	.....
Sheep of shearing age <sup>1</sup> on farms Apr. 15, 1910.....	975	22,699	.....	.....	.....
Wool produced, as reported, total, 1919.....	652	.....	14,429	81,133	\$51,008
On farms reporting sheep.....	624	.....	13,997	78,801	\$49,359
On farms not reporting sheep.....	28	.....	432	2,832	\$1,649
Total production of wool, including estimates.....1919.....				88,358	\$55,666
.....1909.....				127,897	\$33,670
Increase, 1909-1919 <sup>2</sup> .....				-39,539	\$21,996
Per cent of increase <sup>3</sup> .....				-30.9	65.3
Goats raised for fleeces, on farms Jan. 1, 1920.....	15	187	.....	.....	.....
Mohair produced, as reported, total.....1919.....	15	.....	155	468	\$337
.....1909.....	35	.....		1,695	\$509

<sup>1</sup> Sheep born before Jan. 1, 1910.

<sup>2</sup> A minus sign (-) denotes decrease.

TABLE 30.—CHICKENS (OR FOWLS) ON FARMS, 1920 AND 1910; AND POULTRY PRODUCTS, 1919 AND 1909.

[The products shown for 1919 include chicken eggs and chickens only, while the 1909 figures include the products of all kinds of poultry.]

ITEM.	FARMS REPORTING.		Number or quantity.	Value.
	Number.	Per cent of all farms.		
Chickens on farms Jan. 1, 1920, total.....	25,425	79.5	Number. 1,455,193	.....
On farms reporting eggs produced.....	21,814	68.2	1,314,571	.....
On farms reporting chickens raised.....	16,019	50.1	1,110,319	.....
Fowls on farms Apr. 15, 1910.....	28,164	76.3	1,798,380	.....
Eggs produced, as reported.....1919.....	22,071	69.0	Dozens. 8,801,487	\$5,570,095
Total production of eggs, including estimates.....1919.....			9,604,274	6,050,093
.....1909.....			14,145,240	4,280,445
Eggs sold, as reported.....1919.....	15,244	47.6	6,022,298	3,827,992
.....1909.....	21,084	57.1	9,614,504	2,914,755
Chickens raised, as reported.....1919.....	16,241	50.8	Number. 1,857,007	2,275,632
Total chickens raised, including estimates.....1919.....			2,401,068	2,953,314
.....1909.....			3,212,339	2,411,078
Chickens sold, as reported.....1919.....	9,893	30.9	996,275	1,218,653
.....1909.....	16,742	45.4	1,596,472	1,287,329

TABLE 31.—BEES ON FARMS, 1920 AND 1910; AND HONEY AND WAX PRODUCED, 1919 AND 1909.

ITEM.	Farms reporting.	Hives of bees.	PRODUCT.	
			Quantity (pounds).	Value.
Bees on farms Jan. 1, 1920, total.....	1,341	6,573	.....	.....
On farms reporting honey.....	672	4,040	.....	.....
On farms not reporting honey.....	669	2,533	.....	.....
Bees on farms Apr. 15, 1910.....	1,697	7,464	.....	.....
Honey produced.....1919.....	678	.....	70,769	\$24,770
.....1909.....	952	.....	96,802	18,806
Wax produced.....1919.....			1,312	590
.....1909.....			1,019	370

CROPS.

Summary: 1919 and 1909.—This section summarizes the census data relative to all of the farm crops of 1919 and 1909, except that it does not include nursery or greenhouse products or forest products of farms.

In comparing one year with another it should be borne in mind that the acreage of crops (or the number

of fruit trees) and the number of farms reporting are on the whole a better index of the general changes or tendencies in agriculture than either the quantity or the value of the crops, since variations in quantity may be due mainly to favorable or unfavorable seasons, and variations in the value of the crops may result largely from changes in prices between one census year and the next.

TABLE 32.—SUMMARY FOR ALL CROPS: 1919 AND 1909.

CROP.	FARMS REPORTING.				ACRES HARVESTED.			PRODUCTION.						
	Number.		Per cent of all farms.		1919	1909	Per cent of increase. <sup>1</sup>	Quantity.				Value.		
	1919	1909	1919	1909				Unit.	1919	1909	Per cent of increase. <sup>1</sup>	1919	1909	Per cent of increase. <sup>1</sup>
All crops.....					560,047	652,094	-14.0					\$53,700,925	\$26,191,705	105.0
With acreage reports.....												43,478,240	24,000,893	81.2
With no acreage reports.....												10,222,685	2,190,812	366.6
Cereals, total <sup>2</sup> .....					45,361	55,267	-17.9	Bu.....	1,921,607	2,402,738	-20.0	3,411,343	1,617,131	111.0
Corn.....	10,937	14,765	34.2	40.0	28,953	41,755	-30.7	Bu.....	1,515,933	2,029,881	-25.3	2,880,274	1,372,144	109.9
Oats.....	2,214	2,181	6.9	5.9	9,533	7,927	20.3	Bu.....	287,881	268,500	7.2	802,276	157,381	92.1
Wheat, total.....	703	81	2.2	0.2	1,376	109		Bu.....	33,253	2,404		76,484	2,515	
Winter.....	456	55	1.4	0.1	1,094	73		Bu.....	21,337	1,710		49,076	1,789	
Spring.....	269		0.8		782	36		Bu.....	11,916	694		27,408	776	
Barley.....	260	197	0.8	0.5	509	349	45.8	Bu.....	11,832	9,021	31.2	18,980	7,177	168.8
Rye.....	1,192	1,304	3.7	3.5	3,062	3,476	-11.9	Bu.....	46,261	50,183	-21.8	87,896	52,396	67.8
Buckwheat.....	679	867	2.1	2.3	1,804	1,630	-20.0	Bu.....	23,238	32,926	-29.4	40,668	24,678	64.8
Mixed crops <sup>3</sup> .....	30		0.1		124			Bu.....	3,209			4,815		
Other grains and seeds with acreage reports, total <sup>4</sup> .....					1,180	486	142.8	Bu.....	11,535	5,604	105.8	61,779	13,541	358.2
Dry edible beans.....	1,168	1,262	3.6	3.4	1,094	440	145.3	Bu.....	10,687	4,979	114.6	58,244	12,382	370.4
Soy beans.....	71	1	0.2	(*)	63	2		Bu.....	573	53		2,292	102	
Dry peas.....	37	58	0.1	0.2	21	30		Bu.....	215	490	-55.2	1,075	944	18.9
Peanuts.....	9	3	(*)	(*)	2	(*)		Bu.....	60	12		168	13	
Seeds with no acreage reports, total <sup>5</sup> .....								Bu.....	678	3,397	-80.0	8,468	4,454	90.1
Red clover seed.....	13		(*)					Bu.....	88			2,992		
Other clover and alfalfa seed.....	3		(*)					Bu.....	67	50		1,876	575	746.6
Timothy seed.....	22	20	0.1	0.1				Bu.....	273	253	9.9	2,086	456	357.5
Other grass seed.....	14		(*)					Bu.....	104	117	65.8	1,164	262	344.3
Millet seed.....	4	8	(*)	(*)				Bu.....	51	2,068	-98.3	230	2,870	-92.0
Hay and forage, total <sup>6</sup> .....	26,078	33,569	84.3	90.9	486,330	519,580		Tons.....	871,573	832,727		20,149,137	11,290,768	
All tame or cultivated grasses.....					301,892	457,212	-14.3	Tons.....	499,076	572,477	-12.8	15,835,206	9,678,199	63.6
Timothy alone.....	7,399	9,945	23.1	26.9	78,407	106,802	-26.6	Tons.....	112,817	153,622	-26.6	3,948,595	2,858,598	38.1
Timothy and clover mixed.....	12,719	14,302	39.7	38.7	159,212	185,821	-14.3	Tons.....	221,379	249,317	-11.2	7,084,128	4,338,406	63.3
Clover alone.....	578	612	1.8	1.7	3,513	1,920	83.0	Tons.....	5,463	3,145	73.7	161,162	51,652	212.0
Alfalfa.....	392	96	1.2	0.3	1,163	232	401.3	Tons.....	2,604	304	560.9	93,744	6,147	
Other tame grasses <sup>7</sup> .....	8,569		26.8		149,697	162,437	-7.9	Tons.....	156,813	168,999	-5.5	4,547,577	2,423,366	87.7
Wild, salt, or prairie grasses.....	1,403	2,976	4.4	8.1	11,690	25,280	-53.8	Tons.....	12,611	26,645	-50.8	233,307	256,240	-8.9
Small grains cut for hay.....	5,891		18.4		10,581			Tons.....	32,022			816,564		
Annual legumes cut for hay.....	322	6,368	1.0	17.2	1,370	15,522	15.6	Tons.....	2,302	45,701	-24.9	57,550	409,295	113.6
Silage crops.....	3,672		11.5		28,097			Tons.....	256,053			2,048,424		
Corn cut for forage <sup>8</sup> .....	5,767		18.0		17,266	21,345		Tons.....	50,668	186,687		700,352	921,880	
Kafir, sorghum, etc., for forage.....	116		0.4		182			Tons.....	345			4,830		
Root crops for forage.....	1,521		4.8		3,352	211		Tons.....	18,406	2,217	734.3	443,904	25,144	
Vegetables, total.....								Bu.....	1,885,655	2,946,178	-36.0	15,348,069	8,184,213	87.5
Potatoes (Irish or white).....	22,813	24,767	71.3	67.1	21,558	24,469	-11.9	Bu.....		548		4,619,855	1,908,023	131.7
Sweet potatoes and yams.....		22		0.1		7		Bu.....				433		
Other vegetables <sup>9</sup> .....	8,327	28,887	26.0	78.2	24,747	37,220						7,622,622	6,189,857	
Farm garden <sup>10</sup> .....	26,460		82.7									3,105,592		
Miscellaneous crops, total.....								Lbs.....	14,232,589	9,549,306	49.6	4,910,589	1,296,019	278.9
Tobacco.....	1,293	910	4.0	2.5	9,109	5,521	65.0					4,713,255	1,218,060	286.9
Maple sugar and sirup.....	1,546	1,525	4.8	4.1		2						197,334	77,659	154.4
Sundry minor crops <sup>11</sup> .....												400		
Fruits, total.....								Qts.....	27,069,119	29,260,143	-7.4	9,811,540	3,785,589	159.2
Small fruits.....	8,026		25.1		9,028	9,552	0.8					2,900,249	1,676,790	73.0
Other fruits.....												6,911,291	2,108,799	227.7

<sup>1</sup> A minus sign (-) denotes decrease. Per cent not shown when base is less than 100 or when per cent is more than 1,000.

<sup>2</sup> Excluding 17,206 acres reported for corn cut for forage, which is practically all duplicated in the acreage shown for corn harvested as grain.

<sup>3</sup> The 1909 figures include small quantities of rye and spelt, and kafir and milo.

<sup>4</sup> Principally oats and barley grown and harvested together.

<sup>5</sup> The 1909 figures include a small quantity of broom-corn seed.

<sup>6</sup> Less than one-tenth of 1 per cent.

<sup>7</sup> Less than 1 acre.

<sup>8</sup> The total values include the value of small quantities of flower and vegetable seeds.

The entire acreage from which the grass and clover seeds were secured is believed to be included in the acreage given elsewhere for hay and forage.

<sup>9</sup> Corn cut for forage was not reported to any extent in 1909; hence no close comparison between 1919 and 1909 can be made, either for the hay and forage totals or for the bracketed group in which corn cut for forage appears.

<sup>10</sup> Includes millet and Hungarian grass.

<sup>11</sup> The 1919 figures represent vegetables raised for sale only.

<sup>12</sup> In 1909 the value of the farm garden was largely included in the value of "other vegetables."

<sup>13</sup> These crops comprise broom corn, hops, and ginseng.

<sup>14</sup> Includes the value of a small quantity of nuts.

The combined acreage of crops harvested in Massachusetts in 1919 for which the acreage was reported was 560,647, which represents 61.7 per cent of the total improved land in farms (908,834 acres). The total crop acreage reported for 1909 was 652,094, or 56 per cent of the improved land in farms (1,164,501 acres). Most of the improved land not in crops doubtless consisted of improved pasture, land lying fallow, house and farm yards, and land occupied by orchards and vineyards, the acreage of which was not reported.

In addition to the crops regularly harvested in 1919, as shown in the tables, there were reported 826 acres of mature crops grazed or "hogged off."

**Farm value of crops.**—At the census of 1920 the farm schedule called for the value of all farm property, including live stock, and the value of live-stock products sold.

In the case of farm crops, however, wherever a unit value could be used, such as the value per bushel or per ton, the farmer was asked to report the acreage and production of each crop but not the value. To supplement the information obtained from the farmers, the Bureau of Crop Estimates of the United States Department of Agriculture secured by special schedule from its crop reporters average values for such crops. These special schedules were tabulated by the Bureau of the Census, and the resulting averages, approved by the Bureau of Crop Estimates as representing a fair average of the farm value per unit, were used in computing most of the crop values presented in the accompanying tables.

For some products it was not possible to find any satisfactory unit on which to base a computation of the total value. Values were therefore obtained in the 1920 census schedule for vegetables, other than potatoes and sweet potatoes, and for the farm garden.

TABLE 33.—ACREAGE OF IMPORTANT CROPS: 1879 TO 1919.

CROP.	1919	1909	1899	1889	1879
Corn.....	28,953	41,755	39,131	34,010	52,555
Oats.....	9,533	7,927	6,702	14,331	20,659
Rye.....	3,062	3,476	4,587	10,665	21,666
Hay and forage.....	466,230	519,590	610,023	627,385	639,498
Potatoes.....	21,558	24,459	27,521	26,873	31,054
Tobacco.....	9,109	5,521	3,826	2,012	3,358

<sup>1</sup> Includes 17,266 acres in corn cut for forage. This crop was not included to any extent in the hay and forage totals prior to 1919.

TABLE 34.—PERCENTAGES AND AVERAGES FOR IMPORTANT CROPS: 1919 AND 1909.

CROP.	PER CENT OF IMPROVED LAND OCCUPIED.		AVERAGE YIELD PER ACRE.			AVERAGE VALUE PER ACRE.	
	1919	1909	Unit.	1919	1909	1919	1909
Corn.....	3.2	3.6	Bu...	52.4	48.6	\$99.48	\$32.88
Oats.....	1.0	0.7	Bu...	30.2	33.9	31.71	19.85
Rye.....	0.8	0.3	Bu...	15.1	17.0	28.71	15.07
Hay and forage.....	51.3	44.6	Tons.	1.87	1.60	43.21	21.73
Potatoes.....	2.4	2.1	Bu...	87.5	120.5	214.30	81.52
Tobacco.....	1.0	0.5	Lbs.	1,568.0	1,729.6	617.43	220.62

TABLE 35.—VEGETABLES RAISED FOR SALE: 1919.

(Vegetables other than potatoes and sweet potatoes.)

CROP.	FARMS REPORTING.		Acres harvested.	Value of product.
	Number.	Per cent of all farms.		
Total.....	8,327	26.0	24,747	\$7,622,632
Asparagus.....	549	1.7	1,157	296,086
Beans (green).....	1,833	5.7	961	169,249
Beets.....	488	1.5	308	109,532
Cabbages.....	2,946	9.2	2,737	633,328
Carrots.....	641	2.0	658	178,269
Celery.....	470	1.5	842	570,832
Corn (sweet).....	4,162	13.0	5,987	836,192
Cucumbers.....	1,632	5.1	1,162	351,978
Lettuce.....	810	2.5	673	711,968
Onions.....	2,659	6.4	4,411	2,299,939
Peas (green).....	1,529	4.8	622	118,824
Spinach.....	152	0.5	255	79,845
Squashes.....	735	2.3	1,032	175,743
Tomatoes.....	2,381	7.4	1,743	485,918
Turnips.....	514	1.6	375	73,738
Watermelons.....	85	0.3	45	8,013
All other vegetables.....			882	285,341
Mixed vegetables.....	312	1.0	777	239,747

TABLE 36.—MAPLE SUGAR AND SIRUP: 1919 AND 1909.

PRODUCT.	FARMS REPORTING.		Trees tapped.	PRODUCTION.		
	Number.	Per cent of all farms.		Quantity.	Unit.	Value.
Total.....1919..	1,546	4.8	252,751			\$197,334
.....1909..	1,525	4.1	256,501			77,559
Sugar made.....1919..				73,198	Lbs...	29,278
.....1909..	442	1.2		156,952	Lbs...	22,277
Sirup made.....1919..				57,950	Gals...	168,056
.....1909..	1,457	3.9		53,091	Gals...	55,282

TABLE 37.—SMALL FRUITS: 1919 AND 1909.

CROP.	FARMS REPORTING.		Acres harvested.	PRODUCTION.	
	Num. ber.	Per cent of all farms.		Quantity (quarts).	Value.
Total.....	1919.. 8,026	25.1	9,622	27,099,119	\$2,900,249
	1909.. 9,552		9,552	29,280,143	1,876,790
Strawberries.....	1919.. 4,866	15.2	1,431	3,151,371	787,844
	1909.. 4,654	12.6	2,015	5,518,867	495,438
Raspberries.....	1919.. 2,897	9.1	481	407,328	158,892
	1909.. 13	(1)	(2)	1,387	319
Loganberries.....	1919.. 1,506	4.1	388	376,136	55,757
Raspberries and loganberries.....	1919.. 1,856	5.8	340	261,961	57,949
Blackberries and dowberries.....	1919.. 1,368	3.7	287	307,987	31,454
	1909.. 856	2.7	7,096	22,918,103	1,833,448
Cranberries.....	1919.. 1,350	3.7	6,577	22,714,496	1,062,205
	1909.. 1,281	4.0	236	266,908	53,382
Currants.....	1919.. 1,536	4.2	243	213,810	19,904
	1909.. 131	0.4	44	42,071	8,415
Other berries.....	1919.. 42		42	128,847	12,032

<sup>1</sup> Less than one-tenth of 1 per cent.

<sup>2</sup> Less than 1 acre.

TABLE 38.—FRUIT TREES AND GRAPEVINES NOT OF BEARING AGE: 1920 AND 1910.

FRUIT.	FARMS REPORTING.				TREES OR VINES NOT OF BEARING AGE.	
	Number.		Per cent of all farms.			
	1920	1910	1920	1910	1920	1910
Orchard fruits, total <sup>1</sup>	12,466	9,278	29.0	25.1	1,010,997	591,796
Apples.....	10,663	8,252	33.3	25.1	791,771	355,868
Peaches.....	8,285	3,252	10.3	8.8	135,428	162,114
Pears.....	3,906	3,535	12.2	9.6	52,745	38,878
Plums and prunes	2,501	2,932	7.8	7.9	16,553	23,871
Cherries.....	2,377	1,662	7.4	4.5	13,123	6,776
Grapes.....	1,713	1,204	5.4	3.3	22,691	14,261

<sup>1</sup> Includes apricots and quinces. Since these fruits were not specifically called for by the 1920 schedule, the returns for that year are somewhat incomplete.

TABLE 39.—ORCHARD FRUITS AND GRAPES: 1919 AND 1909.

FRUIT.	FARMS REPORTING TREES OR VINES OF BEARING AGE.				NUMBER OF TREES OR VINES OF BEARING AGE.		PRODUCTION.				
	Number.		Per cent of all farms.				Quantity.			Value.	
	1920	1910	1920	1910	1920	1910	Unit.	1919	1909	1919	1909
Orchard fruits, total <sup>1</sup> .....	24,869	27,937	77.7	75.7	1,705,466	1,698,220	Bu....	3,502,244	2,763,679	\$6,830,533	\$2,074,270
Apples.....	24,270	27,037	75.8	75.7	1,218,870	1,307,379	Bu....	3,187,211	2,550,259	0,055,701	1,780,290
Peaches.....	7,085	5,038	22.1	13.6	346,260	164,592	Bu....	213,139	91,756	532,851	138,716
Pears.....	12,285	13,930	38.4	37.7	88,630	113,365	Bu....	84,486	96,071	190,097	110,069
Plums and prunes.....	5,640	6,057	17.6	16.4	32,764	41,345	Bu....	13,152	17,814	36,170	28,253
Cherries.....	4,474	3,902	14.0	10.0	18,239	13,396	Bu....	4,115	4,761	15,432	10,848
Grapes.....	7,319	6,003	22.9	18.3	61,494	58,277	Lbs....	1,009,479	1,132,838	80,758	30,858

<sup>1</sup> Includes apricots, quinces, and (for 1910) mulberries. Since these fruits were not specifically called for by the 1920 schedule, the returns for that year are somewhat incomplete.



COUNTY TABLE I.—FARMS AND FARM PROPERTY, 1920.

	THE STATE.	Barn- stable.	Berkshire.	Bristol.	Dukes.	Essex.	Franklin.
<b>ALL FARMS.</b>							
1 Number of farms, 1920.....	32,001	575	2,359	3,770	152	2,966	2,784
2     1910.....	35,917	864	2,947	3,637	136	2,883	3,113
3     1900.....	37,715	809	3,436	3,459	212	2,942	3,280
4 All farmers classified by sex, 1920:							
5     Male.....	30,026	631	2,207	3,496	148	2,792	2,619
6     Female.....	1,975	44	152	274	4	174	165
7 Color and nativity of all farmers, 1920:							
8     Native white.....	22,950	548	1,855	2,383	113	2,258	2,103
9     Foreign-born white.....	8,930	115	493	1,367	18	708	619
10     Negro and other nonwhite.....	121	12	11	20	21	2	2
11 All farms classified by size, 1920:							
12     Under 2 acres.....	872	18	8	126	3	306	35
13     2 to 9 acres.....	4,388	125	133	703	11	615	295
14     10 to 19 acres.....	4,245	113	188	621	10	464	245
15     20 to 49 acres.....	7,532	215	303	1,108	23	712	537
16     50 to 99 acres.....	6,834	116	463	772	31	483	613
17     100 to 174 acres.....	4,888	51	597	324	34	223	609
18     175 to 259 acres.....	1,840	13	368	75	15	79	272
19     260 to 499 acres.....	1,055	12	227	34	12	59	152
20     500 to 999 acres.....	265	4	57	6	3	20	20
21     1,000 acres and over.....	82	2	15	3	5	5	6
<b>LAND AND FARM AREA.</b>							
22 Approximate land area, 1920.....	5,144,960	261,760	618,240	362,880	68,480	318,680	440,080
23 Land in farms, 1920.....	2,494,477	47,679	356,264	177,761	84,421	148,541	271,460
24     1910.....	2,875,941	49,798	338,353	190,285	19,209	171,893	314,700
25     1900.....	3,147,064	44,253	472,288	195,694	34,188	170,889	350,032
26 Improved land in farms, 1920.....	908,834	13,619	139,744	68,061	7,790	64,429	75,307
27     1910.....	1,164,601	17,379	159,703	78,768	4,981	82,067	92,591
28     1900.....	1,232,132	16,963	200,034	73,919	14,481	89,274	127,788
29 Woodland in farms, 1920.....	1,030,386	26,803	138,891	71,661	13,630	46,227	118,121
30 Other unimproved land in farms, 1920.....	555,257	7,197	77,629	38,039	13,001	38,885	78,032
31 Per cent of land area in farms, 1920.....	48.5	18.2	57.6	49.0	50.3	46.7	60.9
32 Per cent of farm land improved, 1920.....	36.4	28.6	39.2	38.3	22.6	43.4	27.7
33 Average acreage per farm, 1920.....	77.9	70.6	151.0	47.2	226.5	50.1	97.5
34 Average improved acreage per farm, 1920.....	28.4	20.2	59.2	18.1	51.3	21.7	27.0
<b>VALUE OF FARM PROPERTY.</b>							
35 All farm property, 1920.....	300,471,743	5,545,533	24,597,870	26,797,628	1,377,201	37,068,415	18,397,412
36     1910.....	226,474,026	4,478,952	19,314,342	17,594,054	602,117	24,978,227	12,170,994
37     1900.....	182,646,704	2,318,098	10,625,757	13,649,394	351,435	18,211,466	10,235,497
38 Land in farms, 1920.....	127,653,607	2,571,815	10,880,218	11,103,970	680,247	16,517,280	7,335,460
39     1910.....	105,532,618	2,348,456	9,289,704	7,170,917	321,408	12,134,946	4,944,853
40     1900.....	86,925,410	1,045,530	7,963,550	5,787,000	428,240	9,293,050	4,343,180
41 Farm buildings, 1920.....	119,934,224	2,236,489	9,085,806	10,718,570	479,200	15,893,729	6,021,594
42     1910.....	88,636,149	1,678,769	7,212,593	7,504,488	231,680	9,791,853	4,847,733
43     1900.....	71,063,880	962,360	6,432,550	5,909,030	314,100	6,607,280	3,957,380
44 Implements and machinery, 1920.....	19,356,755	355,556	1,447,558	1,735,230	80,340	1,737,063	1,607,854
45     1910.....	11,563,894	198,579	858,773	922,906	32,905	1,169,304	787,877
46     1900.....	8,828,950	146,320	675,070	730,510	35,080	818,920	645,710
47 Live stock on farms, 1920.....	33,524,157	382,378	3,184,288	3,239,758	157,414	2,819,743	2,632,504
48     1910.....	20,741,366	255,148	1,953,302	1,796,645	70,124	1,882,124	1,590,731
49     1900.....	15,798,464	173,888	1,554,687	1,222,854	79,005	1,391,616	1,289,227
50 Average values, 1920:							
51     All property per farm.....	9,389	8,216	10,427	7,108	9,061	12,498	6,608
52     Land and buildings per farm.....	7,737	7,122	8,464	5,788	7,496	10,928	5,121
53     Land alone per acre.....	51.17	53.94	30.54	62.47	19.18	111.20	27.02
<b>FARMS OPERATED BY OWNERS.</b>							
54 Number of farms, 1920.....	28,087	589	1,914	3,279	134	2,452	2,534
55     1910.....	32,075	761	2,390	3,096	123	2,342	2,789
56     1900.....	32,581	749	2,819	2,898	193	2,482	2,957
57 Per cent of all farms, 1920.....	87.8	87.8	81.1	87.0	88.2	82.7	91.0
58 Land in farms, 1920.....	2,021,920	39,412	236,976	141,379	17,502	108,996	251,729
59     Improved land in farms, 1920.....	744,523	11,191	97,271	55,710	6,607	47,993	69,316
60 Value of land and buildings, 1920.....	182,098,530	3,364,344	11,034,925	17,158,845	818,992	17,951,113	12,904,836
61 Degree of ownership, 1920:							
62     Farmers owning entire farm.....	26,515	550	1,777	3,137	124	2,241	2,350
63     Farmers hiring additional land.....	1,572	39	137	142	10	211	184
64 Color and nativity of owners, 1920:							
65     Native white owners.....	20,157	481	1,510	2,059	100	1,927	2,012
66     Foreign-born white owners.....	7,923	96	386	1,202	13	523	520
67     Negro and other nonwhite owners.....	107	12	9	18	21	2	2
<b>FARMS OPERATED BY MANAGERS.</b>							
68 Number of farms, 1920.....	1,027	55	187	136	9	255	57
69     1910.....	1,863	65	233	153	9	249	69
70     1900.....	1,531	29	174	103	10	122	77
71 Land in farms, 1920.....	313,095	7,033	79,471	16,293	15,944	29,328	10,160
72 Improved land in farms, 1920.....	104,650	1,964	27,015	5,807	813	11,538	3,082
73 Value of land and buildings, 1920.....	50,988,024	1,285,800	7,313,384	2,737,675	299,415	12,744,598	841,610
<b>FARMS OPERATED BY TENANTS.</b>							
74 Number of farms, 1920.....	2,287	30	258	355	9	250	193
75     1910.....	2,979	38	324	388	4	292	255
76     1900.....	3,603	31	443	463	9	338	246
77 Per cent of all farms, 1920.....	7.1	4.4	10.9	9.4	5.9	8.7	6.9
78 Land in farms, 1920.....	159,462	1,234	39,817	20,089	975	10,219	9,571
79 Improved land in farms, 1920.....	59,661	464	15,458	6,544	370	4,808	2,909
80 Value of land and buildings, 1920.....	14,501,277	157,160	1,617,715	1,926,020	21,040	1,715,298	510,608
81 Form of tenancy, 1920:							
82     Share tenants.....	330	3	25	21	2	7	96
83     Share-cash tenants.....	23	2	2	2	—	3	4
84     Cash tenants.....	1,766	20	231	249	6	242	93
85     Unspecified.....	108	7	—	83	1	7	—
86 Color and nativity of tenants, 1920:							
87     Native white tenants.....	1,602	26	192	222	6	196	103
88     Foreign-born white tenants.....	678	4	65	132	3	63	90
89     Negro and other nonwhite tenants.....	7	—	1	1	—	—	—

1 Part of Hampshire County annexed to Hampden County in 1909.



WITH SELECTED ITEMS FOR 1910 AND 1900.

	Hampden. <sup>1</sup>	Hampshire. <sup>1</sup>	Middlesex. <sup>2</sup>	Nantucket.	Norfolk. <sup>2</sup>	Plymouth.	Suffolk. <sup>2</sup>	Worcester.
<b>ALL FARMS.</b>								
Number of farms, 1920.....	2,068	2,979	4,446	24	1,404	2,171	71	6,132
1910.....	2,779	2,917	5,346	24	2,203	2,512	92	7,464
1900.....	2,589	3,517	4,955	54	2,212	2,538	162	7,550
<b>All farmers classified by sex, 1920:</b>								
Male.....number.....	1,949	2,824	4,188	23	1,313	2,026	68	5,742
Female.....number.....	119	155	258	1	91	145	3	390
<b>Color and nativity of all farmers, 1920:</b>								
Native white.....number.....	1,511	2,096	3,127	23	896	1,021	45	4,313
Foreign-born white.....number.....	555	879	1,310	1	504	527	26	1,808
Negro and other nonwhite.....number.....	2	4	9	.....	4	23	.....	11
<b>All farms classified by size, 1920:</b>								
Under 3 acres.....number.....	21	42	146	.....	69	43	19	36
3 to 9 acres.....number.....	200	421	690	.....	205	396	14	879
10 to 19 acres.....number.....	202	321	730	2	223	426	9	691
20 to 49 acres.....number.....	418	599	1,118	3	412	632	10	1,457
50 to 99 acres.....number.....	482	674	926	6	288	369	13	1,598
100 to 174 acres.....number.....	415	541	593	4	147	213	4	1,133
175 to 259 acres.....number.....	184	208	144	3	32	55	1	405
260 to 499 acres.....number.....	111	120	77	3	21	38	1	192
500 to 999 acres.....number.....	28	42	20	3	.....	12	.....	46
1,000 acres and over.....number.....	7	10	2	.....	3	9	.....	15
<b>LAND AND FARM AREA.</b>								
Approximate land area, 1920.....acres.....	407,040	374,400	532,480	32,640	259,840	432,000	35,200	995,840
Land in farms, 1920.....acres.....	211,143	267,008	257,165	4,461	75,730	122,707	2,471	517,010
1910.....acres.....	253,398	276,054	348,634	3,109	104,042	136,015	3,435	616,116
1900.....acres.....	292,153	321,924	316,670	4,077	115,053	150,175	4,280	609,388
Improved land in farms, 1920.....acres.....	73,825	90,083	117,200	1,572	30,183	44,101	1,633	181,167
1910.....acres.....	100,431	103,271	182,880	1,250	45,990	50,196	2,660	244,330
1900.....acres.....	121,854	134,180	145,130	2,026	48,581	56,984	3,207	277,733
Woodland in farms, 1920.....acres.....	100,695	122,225	91,867	342	31,973	63,990	467	204,404
Other unimproved land in farms, 1920.....acres.....	36,623	54,700	47,978	2,547	13,680	14,616	341	132,039
Per cent of land area in farms, 1920.....	51.9	71.3	48.3	13.7	29.2	28.4	7.0	52.0
Per cent of farm land improved, 1920.....	35.0	33.7	45.6	35.2	39.8	35.9	67.3	35.0
Average acreage per farm, 1920.....	102.1	89.6	57.8	135.9	54.0	56.5	34.8	84.4
Average improved acreage per farm, 1920.....	35.7	30.2	26.4	65.5	21.5	20.3	23.4	29.5
<b>VALUE OF FARM PROPERTY.</b>								
All farm property, 1920.....dollars.....	10,115,182	24,548,115	50,189,584	236,672	20,960,904	20,440,927	3,019,439	48,170,896
1910.....dollars.....	14,515,476	13,054,140	42,459,401	119,851	18,523,980	15,245,014	5,013,132	37,946,139
1900.....dollars.....	11,051,308	12,097,482	30,112,837	161,999	13,036,110	9,569,401	4,630,843	33,515,017
Land in farms, 1920.....dollars.....	8,312,966	9,656,690	19,737,557	95,780	9,790,309	9,895,688	2,253,637	18,842,032
1910.....dollars.....	6,551,949	5,466,451	19,355,503	44,850	9,167,227	7,727,746	4,047,619	16,967,487
1900.....dollars.....	4,827,500	4,935,510	18,286,450	70,450	6,709,190	4,052,270	3,482,500	15,705,390
Farm buildings, 1920.....dollars.....	7,393,204	10,190,601	21,935,473	87,000	8,512,953	7,479,130	510,050	18,491,425
1910.....dollars.....	6,755,401	5,777,372	17,538,291	42,950	7,439,968	5,510,237	734,050	14,570,806
1900.....dollars.....	4,408,590	5,149,240	13,660,720	49,150	5,310,710	4,574,760	990,940	12,717,070
Implements and machinery, 1920.....dollars.....	1,300,679	1,935,843	3,509,119	14,700	1,005,982	1,219,090	95,109	3,414,642
1910.....dollars.....	769,433	871,490	2,162,716	9,850	716,891	760,942	128,054	2,174,204
1900.....dollars.....	631,860	699,040	1,635,010	8,280	560,460	552,160	70,220	1,820,300
Live stock on farms, 1920.....dollars.....	2,108,333	2,765,081	5,007,435	39,192	1,661,060	1,853,021	180,553	7,422,797
1910.....dollars.....	1,438,993	1,539,893	3,402,891	22,201	1,199,904	1,246,689	103,409	4,233,642
1900.....dollars.....	1,123,018	1,313,692	2,530,657	24,119	1,055,760	680,211	87,183	3,272,257
<b>Average values, 1920:</b>								
All property per farm.....dollars.....	9,243	8,240	11,289	9,861	14,929	9,418	42,527	7,856
Land and buildings per farm.....dollars.....	7,595	6,062	9,373	7,616	13,037	8,003	38,925	6,088
Land alone per acre.....dollars.....	39.37	36.17	76.76	21.47	129.18	80.64	912.03	36.40
<b>FARMS OPERATED BY OWNERS.</b>								
Number of farms, 1920.....	1,908	2,735	3,909	19	1,168	1,888	54	5,506
1910.....	2,451	2,084	4,005	22	1,881	2,260	55	6,618
1900.....	2,305	3,209	4,203	47	1,839	2,266	104	6,515
Per cent of all farms, 1920.....	92.3	91.8	87.9	79.2	53.95	86.9	76.1	80.8
Land in farms, 1920.....acres.....	101,522	241,726	212,345	3,422	53,995	89,212	1,253	432,451
Improved land in farms, 1920.....acres.....	67,699	80,484	98,339	1,096	21,416	32,589	831	153,971
Value of land and buildings, 1920.....dollars.....	13,809,906	17,411,373	33,012,094	101,600	11,240,017	11,860,151	1,065,602	30,364,732
<b>Degree of ownership, 1920:</b>								
Farmers owning entire farm.....number.....	1,830	2,532	3,699	15	1,121	1,722	44	5,299
Farmers hiring additional land.....number.....	78	199	210	4	47	94	10	207
<b>Color and nativity of owners, 1920:</b>								
Native white owners.....number.....	1,381	1,927	2,741	19	733	1,368	36	3,829
Foreign-born white owners.....number.....	526	805	1,160	.....	433	475	18	1,066
Negro and other nonwhite owners.....number.....	1	3	8	.....	2	18	.....	11
<b>FARMS OPERATED BY MANAGERS.</b>								
Number of farms, 1920.....	61	82	262	3	136	138	8	237
1910.....	99	79	301	.....	150	116	20	320
1900.....	57	82	286	.....	132	116	15	348
Land in farms, 1920.....acres.....	10,692	15,044	31,799	406	16,634	26,562	1,017	52,714
Improved land in farms, 1920.....acres.....	3,310	5,495	12,973	326	6,779	8,413	650	16,485
Value of land and buildings, 1920.....dollars.....	1,300,464	1,561,473	6,372,055	70,180	5,984,355	4,372,915	1,224,785	4,879,315
<b>FARMS OPERATED BY TENANTS.</b>								
Number of farms, 1920.....	99	162	275	2	100	147	9	389
1910.....	229	154	440	2	172	136	17	528
1900.....	227	220	486	7	241	156	43	687
Per cent of all farms, 1920.....	4.8	5.4	6.2	8.3	7.1	6.8	12.7	6.3
Land in farms, 1920.....acres.....	8,929	10,238	13,021	633	5,157	6,933	201	32,445
Improved land in farms, 1920.....acres.....	2,816	4,094	5,978	150	1,988	3,099	182	10,711
Value of land and buildings, 1920.....dollars.....	595,800	874,345	2,288,881	11,000	1,078,950	1,141,750	473,300	2,089,410
<b>Form of tenancy, 1920:</b>								
Share tenants.....number.....	9	67	17	1	2	14	1	65
Share-cash tenants.....number.....	1	5	2	.....	.....	1	.....	3
Cash tenants.....number.....	84	88	239	1	84	100	8	321
Unspecified.....number.....	5	2	17	.....	14	32	.....	.....
<b>Color and nativity of tenants, 1920:</b>								
Native white tenants.....number.....	78	101	197	1	71	114	4	291
Foreign-born white tenants.....number.....	20	61	78	1	27	31	5	98
Negro and other nonwhite tenants.....number.....	1	.....	.....	.....	2	2	.....	.....

<sup>1</sup> Part of Middlesex County annexed to Norfolk County in 1907; part of Norfolk County annexed to Suffolk County in 1912.

COUNTY TABLE II.—LIVE STOCK ON FARMS AND RANGES,

	THE STATE.	Barnstable.	Berkshire.	Bristol.	Dukes.	Essex.	Franklin.
<b>DOMESTIC ANIMALS: 1920.</b>							
1 Farms reporting domestic animals.....number..	27,508	488	2,223	3,057	142	2,392	2,447
2 Value of all domestic animals.....dollars..	30,512,291	303,778	3,010,163	2,802,474	146,001	2,580,128	2,483,905
3 <b>Horses:</b>							
4 Total number.....	50,605	580	5,402	5,049	220	4,117	4,712
5 Colts under 1 year of age.....	1,111	3	190	103	6	75	70
6 Colts 1 year old and under 2 years.....	529	2	121	83	2	29	44
7 Mares 2 years old and over.....	14,980	197	1,864	1,244	65	1,148	1,681
8 Geldings 2 years old and over.....	33,461	363	3,154	3,635	149	2,815	2,893
9 Stallions 2 years old and over.....	524	15	73	29		50	24
10 Total value.....dollars..	7,771,029	77,111	837,504	629,919	30,703	647,041	692,116
11 <b>Mules:</b>							
12 Total number.....	332	11	46	10		32	12
13 Mule colts under 1 year of age.....	6			2			
14 Mule colts 1 year old and under 2 years.....	16	1				27	12
15 Mules 2 years old and over.....	310	10	46				
16 Total value.....dollars..	44,251	1,776	6,405	1,075		4,390	2,236
17 <b>Asses and burros:</b>							
18 Total number.....	52		4	4	1	11	1
19 Total value.....dollars..	4,270		80	245	10	670	30
20 <b>Cattle:</b>							
21 Total number.....	216,069	2,172	24,732	18,596	945	17,838	20,745
22 Total value.....dollars..	20,038,098	189,583	1,943,971	1,886,190	67,897	1,702,282	1,593,080
23 <b>Beef cattle—</b>							
24 Total number.....	10,069	164	1,413	935	97	821	851
25 Calves under 1 year of age.....	1,823	50	336	88	34	149	213
26 Heifers 1 year old and under 2 years.....	1,317	22	152	138	7	98	69
27 Cows and heifers 2 years old and over.....	4,533	74	593	577	13	453	159
28 Steers 1 year old and under 2 years.....	700	7	156	36	25	122	122
29 Steers 2 years old and over.....	1,242	6	128	73	16	78	230
30 Bulls 1 year old and over.....	414	5	48	23	2	21	58
31 Total value.....dollars..	700,228	9,371	105,798	74,320	6,877	61,708	63,046
32 <b>Dairy cattle—</b>							
33 Total number.....	206,010	2,008	23,319	17,661	848	16,517	19,894
34 Calves under 1 year of age.....	26,618	254	3,847	1,465	133	1,624	3,880
35 Heifers 1 year old and under 2 years.....	26,513	240	3,428	2,006	118	1,811	2,942
36 Cows and heifers 2 years old and over.....	147,331	1,450	15,367	13,841	575	12,686	12,533
37 Bulls 1 year old and over.....	5,548	64	677	349	22	396	539
38 Total value.....dollars..	19,332,870	180,212	1,838,181	1,811,870	61,320	1,640,674	1,530,034
39 <b>Sheep:</b>							
40 Total number.....	18,880	100	2,953	434	4,532	922	4,231
41 Lambs under 1 year of age.....	4,748	19	721	125	1,007	317	1,089
42 Ewes 1 year old and over.....	11,896	70	2,082	282	2,271	547	2,737
43 Rams 1 year old and over.....	682	8	130	22	113	45	114
44 Wethers 1 year old and over.....	1,544	3	20	5	1,141	13	201
45 Total value.....dollars..	237,023	1,605	39,176	10,144	31,627	17,241	52,342
46 <b>Goats:</b>							
47 Total number.....	1,298	5	150	79	2	107	23
48 Total value.....dollars..	23,506	105	1,760	2,216	50	1,763	428
49 <b>Swine:</b>							
50 Total number.....	104,192	1,354	7,777	11,881	605	9,012	6,139
51 Pigs under 6 months old.....	53,757	830	4,450	6,437	263	4,300	3,620
52 Sows and gilts for breeding, 6 months old and over.....	17,742	221	1,315	1,352	108	1,643	881
53 Boars for breeding, 6 months old and over.....	2,042	29	173	210	17	108	117
54 All other hogs, 6 months old and over.....	30,651	265	1,839	3,682	219	2,798	1,521
55 Total value.....dollars..	2,339,114	33,599	181,267	272,685	15,714	206,741	143,673
<b>POULTRY AND BEES: 1920.</b>							
56 <b>Chickens.....</b> .....number..	1,455,193	35,352	99,997	198,651	5,444	154,703	78,196
57 <b>Other poultry.....</b> .....number..	62,284	2,117	3,073	26,856	582	5,545	1,606
58 <b>Value of all poultry.....</b> .....dollars..	2,951,001	77,781	167,242	430,355	11,279	333,717	144,058
59 <b>Bees.....</b> .....number of hives..	6,573	107	935	695	11	558	738
60 <b>Total value.....</b> .....dollars..	60,865	819	6,883	6,929	134	5,898	4,541
<b>LIVE-STOCK PRODUCTS: 1919.</b>							
61 <b>Dairy products:</b>							
62 Milk produced (as reported).....gallons..	68,624,097	711,230	6,250,127	7,872,627	226,667	6,223,172	4,586,095
63 Milk sold.....gallons..	55,676,858	549,294	4,244,958	7,093,897	143,015	5,737,093	2,244,213
64 Cream sold.....gallons..	310,918	2,002	57,591	14,393	2,202	10,062	49,757
65 Butter fat sold.....pounds..	506,851	216	64,176	489	284	1,115	238,722
66 Butter made on farms.....pounds..	2,019,231	11,074	577,465	28,873	8,657	50,397	350,347
67 Butter sold.....pounds..	1,282,887	8,149	483,083	8,070	3,753	12,717	244,046
68 Cheese made on farms.....pounds..	60,796	530	7,091	10,406	65	2,785	7,118
69 Value of dairy products.....dollars..	24,735,522	280,936	1,893,871	2,886,769	73,710	2,586,210	1,208,041
70 Receipts from sale of dairy products.....dollars..	24,279,643	274,944	1,799,497	2,800,817	70,649	2,559,473	1,143,298
71 Average production of milk per dairy cow.....gallons..	506	513	486	600	410	533	405
72 <b>Eggs and chickens:</b>							
73 Eggs produced (as reported).....dozens..	8,801,467	219,094	542,962	1,284,166	52,714	1,089,467	475,273
74 Eggs sold.....dozens..	6,022,298	166,675	340,899	926,332	18,318	710,129	305,555
75 Chickens raised (as reported).....number..	1,857,007	65,762	113,013	227,623	5,115	207,280	100,657
76 Chickens sold.....number..	996,275	44,367	48,276	150,014	1,592	124,334	45,205
77 Value of chickens and eggs produced.....dollars..	7,845,727	217,522	449,624	1,084,490	42,128	945,148	392,981
78 Receipts from sale of chickens and eggs.....dollars..	5,046,046	156,917	253,315	778,103	14,324	626,113	229,244
79 <b>Honey and wax:</b>							
80 Honey produced.....pounds..	70,760	1,049	12,268	7,220	70	4,821	5,699
81 Wax produced.....pounds..	1,312	39	83	43		81	256
82 Value of honey and wax.....dollars..	25,360	385	4,309	2,646	25	1,723	2,110
83 <b>Wool:</b>							
84 Sheep shorn.....number..	14,429	74	2,137	282	3,685	692	3,212
85 Wool produced (as reported).....pounds..	81,133	415	12,390	1,736	14,055	4,797	21,122
86 Value.....dollars..	51,008	209	7,428	1,009	9,317	3,013	13,397

<sup>1</sup> Value of milk, cream, and butter fat sold, and of butter and cheese made on farms.

COUNTY TABLE III.—DOMESTIC ANIMALS

1 Inclosures reporting domestic animals.....	31,207	1,837	1,931	3,073	193	3,252	896
2 Horses, total number.....	50,775	937	2,145	4,884	102	5,090	969
3 Mules, total number.....	534	3	9	46	2	88	7
4 Asses and burros, total number.....	79	2	1	3		2	
5 Cattle, total number.....	21,500	1,150	1,558	1,964	173	1,476	749
6 Dairy cows.....	18,421	827	1,121	1,014	121	1,090	522
7 Sheep, total number.....	972	7	9	33	25	44	33
8 Goats, total number.....	1,016	10	23	75		120	26
9 Swine, total number.....	51,498	1,269	1,664	3,331	290	4,421	863

1920; AND LIVE-STOCK PRODUCTS, 1919.

	Hampden.	Hampshire.	Middlesex.	Nantucket.	Norfolk.	Plymouth.	Suffolk.	Worcester.
<b>DOMESTIC ANIMALS: 1920.</b>								
1 Farms reporting domestic animals.....number..	1,829	2,616	3,782	22	1,228	1,685	53	5,544
2 Value of all domestic animals.....dollars..	1,043,300	2,550,250	4,555,170	36,110	1,461,693	1,597,466	155,783	6,880,070
<b>Horses:</b>								
3 Total number.....	3,511	4,863	7,144	50	2,087	2,533	242	10,095
4 Colts under 1 year of age.....	96	60	178	.....	40	65	4	212
5 Colts 1 year old and under 2 years.....	43	59	46	.....	21	6	.....	113
6 Mares 2 years old and over.....	1,041	1,678	1,805	19	498	662	101	2,670
7 Geldings 2 years old and over.....	2,297	3,022	5,045	31	1,503	1,735	132	6,687
8 Stallions 2 years old and over.....	34	35	70	.....	25	65	5	99
9 Total value.....dollars..	509,127	723,709	1,080,354	7,110	327,320	385,418	35,691	1,807,906
<b>Mules:</b>								
10 Total number.....	48	18	43	.....	15	13	.....	84
11 Mule colts under 1 year of age.....	.....	2	.....	.....	1	.....	.....	.....
12 Mule colts 1 year old and under 2 years.....	.....	1	.....	.....	1	.....	.....	.....
13 Mules 2 years old and over.....	48	15	43	.....	13	12	.....	76
14 Total value.....dollars..	7,190	2,040	5,960	.....	1,700	1,380	.....	10,100
<b>Asses and burros:</b>								
15 Total number.....	2	.....	11	.....	3	.....	.....	9
16 Total value.....dollars..	30	.....	820	.....	40	115	.....	2,230
<b>Cattle:</b>								
17 Total number.....	13,980	19,215	28,361	447	8,855	9,113	784	50,816
18 Total value.....dollars..	1,254,723	1,644,511	3,016,185	26,508	980,368	1,099,453	86,636	4,001,711
<b>Beef cattle—</b>								
19 Total number.....	1,043	1,058	735	43	198	254	36	2,336
20 Calves under 1 year of age.....	135	179	116	2	14	45	4	458
21 Heifers 1 year old and under 2 years.....	98	98	87	10	26	46	4	482
22 Cows and heifers 2 years old and over.....	452	422	455	31	136	187	27	954
23 Steers 1 year old and under 2 years.....	90	136	15	.....	6	14	.....	131
24 Steers 2 years old and over.....	225	162	42	.....	5	57	.....	220
25 Bulls 1 year old and over.....	48	61	40	.....	11	5	1	91
26 Total value.....dollars..	82,618	82,137	54,744	2,670	10,363	29,367	2,722	103,595
<b>Dairy cattle—</b>								
27 Total number.....	12,932	18,157	27,626	404	8,657	8,759	748	48,480
28 Calves under 1 year of age.....	1,847	2,592	2,740	62	706	1,015	43	6,410
29 Heifers 1 year old and under 2 years.....	1,909	2,600	2,908	65	748	1,109	36	6,593
30 Cows and heifers 2 years old and over.....	8,332	12,436	21,250	268	6,977	6,412	655	34,049
31 Bulls 1 year old and over.....	344	529	728	9	226	223	14	1,423
32 Total value.....dollars..	1,172,205	1,562,374	2,961,441	23,838	964,005	1,070,086	83,914	4,432,816
<b>Sheep:</b>								
33 Total number.....	1,012	984	618	200	430	381	30	2,053
34 Lambs under 1 year of age.....	235	312	159	50	122	78	5	509
35 Ewes 1 year old and over.....	737	620	412	140	272	266	22	1,438
36 Rams 1 year old and over.....	29	36	46	10	24	27	.....	88
37 Wethers 1 year old and over.....	11	16	1	.....	12	10	3	18
38 Total value.....dollars..	15,638	13,749	11,004	1,800	6,174	4,787	551	31,185
<b>Goats:</b>								
39 Total number.....	44	24	266	.....	182	30	8	376
40 Total value.....dollars..	552	282	4,885	.....	5,865	492	40	5,578
<b>Swine:</b>								
41 Total number.....	6,625	7,104	20,501	34	6,441	5,705	2,427	13,787
42 Pigs under 6 months old.....	3,635	3,986	9,812	23	3,277	3,138	917	8,970
43 Sows and gilts for breeding, 6 months old and over.....	955	821	4,709	6	975	1,078	344	3,345
44 Boars for breeding, 6 months old and over.....	132	143	418	2	116	95	20	377
45 All other hogs, 6 months old and over.....	1,908	2,154	5,571	3	2,073	1,394	1,146	6,095
46 Total value.....dollars..	156,040	165,959	435,962	692	140,736	125,821	32,865	427,360
<b>POULTRY AND BEES: 1920.</b>								
47 Chickens.....number..	88,341	109,008	213,124	1,378	85,233	117,327	2,465	265,014
48 Other poultry.....number..	2,161	2,459	4,957	102	3,376	4,148	211	5,091
49 Value of all poultry.....dollars..	160,606	209,594	442,654	3,082	187,608	251,623	4,623	526,479
50 Bees.....number of hives..	460	551	881	.....	188	364	11	1,074
51 Total value.....dollars..	4,427	5,237	9,611	.....	2,059	3,932	147	10,243
<b>LIVE-STOCK PRODUCTS: 1919.</b>								
<b>Dairy products:</b>								
52 Milk produced (as reported).....gallons..	3,601,883	5,140,763	10,699,847	99,372	3,850,996	3,146,336	381,304	15,833,678
53 Milk sold.....gallons..	2,008,317	3,718,188	9,791,893	80,272	3,407,208	2,770,119	369,454	12,912,992
54 Cream sold.....gallons..	13,320	52,445	21,979	431	6,047	7,056	785	72,850
55 Butter fat sold.....pounds..	23,132	132,069	19,933	.....	7,122	1,578	830	17,685
56 Butter made on farms.....pounds..	222,376	196,779	96,025	130	30,570	44,299	2,687	339,552
57 Butter sold.....pounds..	154,059	106,779	30,718	105	5,061	10,647	979	269,771
58 Cheese made on farms.....pounds..	5,030	4,616	7,129	.....	2,595	3,149	.....	11,976
59 Value of dairy products.....dollars..	1,109,894	1,607,236	4,427,356	48,897	1,714,220	1,232,294	198,454	5,502,544
60 Receipts from sale of dairy products.....dollars..	1,061,964	1,548,095	4,378,067	48,970	1,696,618	1,211,618	197,343	5,418,437
61 Average production of milk per dairy cow.....gallons..	456	461	532	.....	576	539	579	499
<b>Eggs and chickens:</b>								
62 Eggs produced (as reported).....dozens..	439,423	658,808	1,286,685	6,208	485,244	825,205	10,532	1,495,691
63 Eggs sold.....dozens..	293,030	436,807	889,825	4,950	302,747	594,465	5,321	1,037,245
64 Chickens raised (as reported).....number..	90,322	126,584	266,371	1,685	147,568	201,795	776	302,451
65 Chickens sold.....number..	49,939	64,301	144,563	1,188	64,494	121,164	525	142,263
66 Value of chickens and eggs produced.....dollars..	410,269	590,618	1,140,459	6,963	478,153	727,807	9,136	1,380,521
67 Receipts from sale of chickens and eggs.....dollars..	249,985	349,141	745,462	5,823	269,346	431,285	4,912	883,196
<b>Honey and wax:</b>								
68 Honey produced.....pounds..	9,803	9,108	5,774	.....	667	2,297	40	11,953
69 Wax produced.....pounds..	326	227	42	.....	25	27	.....	213
70 Value of honey and wax.....dollars..	2,578	3,290	2,040	.....	244	816	14	4,280
<b>Wool:</b>								
71 Sheep shorn.....number..	583	1,012	415	200	235	282	22	1,598
72 Wool produced (as reported).....pounds..	3,305	6,451	2,688	800	1,444	1,630	203	10,097
73 Value.....dollars..	1,612	3,850	1,651	560	804	1,230	109	6,459

NOT ON FARMS OR RANGES: 1920.

1 Inclosures reporting domestic animals.....	2,531	807	5,055	23	2,633	3,104	1,266	5,106
2 Horses, total number.....	3,082	920	9,862	54	3,079	2,070	11,078	6,408
3 Mules, total number.....	47	2	238	.....	12	15	53	62
4 Asses and burros, total number.....	3	1	12	.....	8	12	28	7
5 Cattle, total number.....	1,523	599	4,050	69	2,076	2,459	943	3,611
6 Dairy cows.....	1,147	412	2,459	44	1,664	1,811	501	2,670
7 Sheep, total number.....	23	3	498	.....	117	63	6	111
8 Goats, total number.....	53	10	302	.....	143	95	55	104
9 Swine, total number.....	3,643	988	21,943	9	3,019	3,704	177	6,147

## AGRICULTURE—MASSACHUSETTS.

COUNTY TABLE IV.—VALUE OF ALL CROPS, AND ACREAGE

		THE STATE.	Barnstable.	Berkshire.	Bristol.	Dukes.	Essex.	Franklin.
<b>VALUE OF ALL CROPS.</b>								
1	Total.....	dollars.. 53,700,925	950,437	4,124,325	4,015,172	129,755	4,304,276	5,981,294
2	Cereals.....	dollars.. 3,411,343	28,809	613,128	359,871	25,605	123,357	382,071
3	Other grains and seeds.....	dollars.. 70,247	1,794	4,812	3,925	.....	17,034	6,790
4	Hay and forage.....	dollars.. 20,149,137	123,938	2,407,299	1,436,788	58,827	1,772,325	1,995,685
5	Vegetables.....	dollars.. 15,348,069	195,320	790,942	1,579,453	38,739	1,402,159	1,770,688
6	Fruits.....	dollars.. 9,811,540	600,516	271,203	635,087	6,584	898,349	1,629,251
7	All other crops.....	dollars.. 4,910,583	.....	86,941	50	.....	152	1,107,419
<b>SELECTED CROPS (acres harvested and production).</b>								
8	Cereals:							
9	Total.....	acres.. 45,361	476	10,783	3,928	474	1,382	5,089
10	Corn.....	bushels.. 1,921,607	15,364	392,867	197,265	14,768	63,844	207,497
11	Oats.....	acres.. 28,953	373	3,017	3,144	307	988	4,203
12	Wheat.....	bushels.. 1,515,933	13,475	182,327	175,418	11,266	57,897	186,655
13	Barley.....	acres.. 9,533	14	5,088	573	119	239	513
14	Rye.....	bushels.. 287,881	498	158,095	17,533	2,877	8,949	15,037
15	Buckwheat.....	acres.. 1,876	9	746	40	6	22	134
16	Other grains and seeds:	bushels.. 33,253	105	14,880	977	85	679	2,406
17	Dry edible beans.....	acres.. 509	.....	245	87	2	12	42
18	Dry peas.....	bushels.. 11,832	.....	5,239	1,251	40	238	824
19	Hay and forage:	acres.. 3,062	79	785	118	28	87	149
20	Total.....	bushels.. 46,281	1,269	14,265	1,897	280	876	1,951
21	Timothy alone.....	acres.. 1,304	1	862	16	12	14	45
22	Timothy and clover mixed.....	bushels.. 23,238	17	16,703	179	210	145	568
23	Other tame or cultivated grasses.....	acres.. 1,094	24	71	54	.....	361	116
24	Dry edible beans.....	bushels.. 10,687	320	576	477	.....	3,273	1,167
25	Dry peas.....	acres.. 21	1	1	6	.....	1	7
26	Hay and forage:	bushels.. 215	10	8	75	.....	6	.....
27	Total.....	acres.. 466,330	3,062	69,730	29,171	1,836	42,409	46,924
28	All tame or cultivated grasses.....	tons.. 871,573	5,746	102,454	67,112	2,373	72,386	89,569
29	Timothy alone.....	acres.. 391,892	1,784	63,337	22,728	1,066	34,447	40,781
30	Timothy and clover mixed.....	tons.. 499,076	2,399	63,530	33,024	1,234	44,970	51,074
31	Clover alone.....	acres.. 78,407	172	10,880	5,871	194	6,588	4,332
32	Alfalfa.....	tons.. 112,817	184	12,769	8,896	234	9,376	6,733
33	Other tame or cultivated grasses.....	acres.. 159,212	642	21,214	12,142	372	11,570	12,554
34	Wild, salt, or prairie grasses.....	tons.. 221,379	919	24,842	18,381	492	16,894	19,429
35	Small grains cut for hay.....	acres.. 3,513	19	659	315	17	388	255
36	Annual legumes cut for hay.....	tons.. 5,493	44	990	490	15	524	445
37	Silage crops.....	acres.. 1,163	16	155	97	21	81	93
38	Corn cut for forage.....	tons.. 2,604	53	267	216	38	247	266
39	Kafir, sorghum, etc., for forage.....	acres.. 149,597	935	30,429	4,303	462	16,830	23,547
40	Root crops for forage.....	tons.. 156,813	1,199	24,662	5,041	455	17,929	24,201
41	Vegetables:	acres.. 11,660	613	830	348	260	4,025	440
42	Potatoes (Irish or white).....	tons.. 12,611	804	650	555	100	4,014	593
43	Other vegetables.....	acres.. 16,581	193	1,125	1,340	188	1,107	1,279
44	Miscellaneous crops:	tons.. 22,022	404	2,118	2,583	266	2,043	3,646
45	Tobacco.....	acres.. 1,370	18	155	40	23	123	61
46	Maple trees tapped.....	tons.. 2,302	51	243	81	40	220	70
47	Maple sugar made.....	acres.. 23,997	205	2,094	2,629	48	1,386	2,447
48	Maple sirup made.....	tons.. 256,053	1,420	29,691	24,912	278	14,596	29,393
49	Maple sirup made.....	acres.. 17,266	169	1,235	1,885	204	1,101	1,818
50	Maple sirup made.....	tons.. 50,668	343	4,758	5,118	256	4,630	4,174
51	Maple sirup made.....	acres.. 182	10	12	23	.....	8	19
52	Maple sirup made.....	tons.. 345	21	12	43	.....	9	36
53	Maple sirup made.....	acres.. 3,332	70	342	178	47	212	79
54	Maple sirup made.....	tons.. 18,466	301	1,462	796	139	1,904	574
55	Vegetables:	acres.. 21,558	282	2,401	2,989	76	1,619	1,432
56	Potatoes (Irish or white).....	bushels.. 1,886,056	26,089	197,808	290,441	7,645	155,213	150,675
57	Other vegetables.....	acres.. 24,747	438	613	2,425	66	3,125	2,538
58	Miscellaneous crops:	acres.. 9,109	.....	.....	150	.....	20	2,349
59	Tobacco.....	pounds.. 14,282,589	.....	40	.....	.....	400	3,410,258
60	Maple trees tapped.....	number.. 252,751	.....	45,479	.....	.....	.....	91,950
61	Maple sugar made.....	pounds.. 73,198	.....	12,716	.....	.....	.....	16,206
62	Maple sirup made.....	gallons.. 57,950	.....	10,980	.....	.....	50	22,604
<b>FRUITS.</b>								
63	Small fruits:							
64	Total.....	acres.. 8,628	2,199	131	692	81	333	197
65	Strawberries.....	quarts.. 27,099,119	6,750,683	100,960	2,098,439	32,066	470,232	215,375
66	Raspberries.....	acres.. 1,431	62	32	270	4	151	113
67	Blackberries and dewberries.....	quarts.. 3,151,371	125,786	41,744	1,063,476	3,865	303,972	133,966
68	Cranberries.....	acres.. 481	16	62	26	.....	53	39
69	Currents.....	quarts.. 467,828	15,736	42,737	33,376	70	41,444	40,855
70	Apples.....	acres.. 340	2	32	11	.....	23	32
71	Peaches.....	quarts.. 251,951	2,365	13,547	5,204	130	19,911	31,286
72	Pears.....	acres.. 7,096	2,112	.....	855	27	77	1
73	Plums and prunes.....	quarts.. 22,918,108	6,588,865	.....	978,449	28,001	83,185	320
74	Grapes.....	acres.. 236	8	5	24	.....	29	12
75	Orchard fruits:	quarts.. 266,908	18,249	2,932	13,529	.....	21,530	8,942
76	Total.....	trees not of bearing age.. 1,010,997	16,447	26,044	68,236	1,792	88,653	70,519
77	Apples.....	trees of bearing age.. 1,705,486	12,108	91,728	117,625	1,376	180,182	160,964
78	Peaches.....	bushels harvested.. 3,502,244	16,103	125,607	133,139	1,720	399,963	295,612
79	Pears.....	trees not of bearing age.. 791,771	10,876	21,337	41,624	1,330	59,006	64,959
80	Plums and prunes.....	trees of bearing age.. 1,218,870	7,597	82,900	62,515	1,009	113,474	143,282
81	Grapes.....	bushels harvested.. 3,187,211	14,238	120,096	105,757	1,650	350,830	235,891
82	Strawberries.....	trees not of bearing age.. 135,426	4,334	488	18,392	247	17,094	5,475
83	Raspberries.....	trees of bearing age.. 346,260	2,438	745	41,261	184	49,410	8,283
84	Blackberries and dewberries.....	bushels harvested.. 218,139	783	286	19,235	6	32,434	3,899
85	Cranberries.....	trees not of bearing age.. 52,745	785	2,054	6,016	78	9,565	2,071
86	Currents.....	trees of bearing age.. 88,680	1,806	4,207	10,238	116	12,412	4,312
87	Apples.....	bushels harvested.. 16,486	902	4,694	7,344	50	14,493	4,287
88	Peaches.....	trees not of bearing age.. 16,553	312	1,251	1,275	117	1,841	2,887
89	Pears.....	trees of bearing age.. 32,764	648	2,677	2,601	49	3,382	3,335
90	Plums and prunes.....	bushels harvested.. 18,152	95	452	600	4	1,841	1,380
91	Grapes.....	vines not of bearing age.. 22,601	354	296	4,028	17	1,281	1,634
		vines of bearing age.. 81,494	811	2,432	6,440	135	4,067	3,800
		pounds harvested.. 1,009,479	10,179	19,199	86,632	144	74,812	73,672

# AGRICULTURE—MASSACHUSETTS.

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## AND PRODUCTION OF PRINCIPAL CROPS: 1919.

		Hampden.	Hampshire.	Middlesex.	Nantucket.	Norfolk.	Plymouth.	Suffolk.	Worcester.
<b>VALUE OF ALL CROPS.</b>									
1	Total.....dollars..	4,237,509	7,438,070	9,096,037	58,985	1,420,512	3,084,365	221,385	8,637,803
2	Cereals.....dollars..	386,078	602,200	200,529	3,778	59,821	121,168	580	806,050
3	Other grains and seeds.....dollars..	6,889	5,307	5,555		1,283	4,391	273	11,809
4	Hay and forage.....dollars..	1,370,191	2,123,632	2,088,462	10,004	604,803	709,729	29,999	4,090,727
5	Vegetables.....dollars..	796,648	1,815,020	3,785,377	9,815	503,872	784,972	171,189	1,684,406
6	Fruits.....dollars..	399,887	507,996	2,406,045	28,728	184,404	1,404,102	19,344	1,700,846
7	All other crops.....dollars..	1,278,616	2,834,616	669		6,344	5		4,877
<b>SELECTED CROPS (acres harvested and production).</b>									
<b>Cereals:</b>									
8	Total.....acres..	4,877	6,804	2,347	53	820	1,726	8	6,894
9	bushels.....	207,787	325,220	109,234	2,125	32,060	64,958	305	282,473
10	Corn.....acres..	3,199	5,438	1,082	41	535	1,399	7	4,620
11	bushels.....	183,393	293,617	95,175	1,820	27,445	56,567	285	230,593
12	Oats.....acres..	411	565	361	12	138	91		1,350
13	bushels.....	10,770	19,414	8,595	305	3,340	3,138		38,674
14	Wheat.....acres..	93	227	90		20	58		425
15	bushels.....	1,198	3,575	1,024		331	1,013		5,480
16	Barley.....acres..	15	35	17		10	15		79
17	bushels.....	308	939	347		294	254		2,038
18	Rye.....acres..	710	418	155		112	137	1	313
19	bushels.....	9,050	5,474	2,081		1,494	2,888	20	4,106
20	Buckwheat.....acres..	105	113	36		5	16		79
21	bushels.....	1,418	2,062	512		56	267		1,101
<b>Other grains and seeds:</b>									
22	Dry edible beans.....acres..	60	96	69		20	66	5	182
23	bushels.....	334	940	871		131	665	50	1,874
24	Dry peas.....acres..	2					7		2
25	bushels.....	24					68		17
<b>Hay and forage:</b>									
26	Total.....acres..	32,060	48,108	57,729	443	13,558	15,694	539	104,167
27	tons.....	60,351	92,030	113,627	761	31,804	36,284	1,800	194,667
28	All tame or cultivated grasses.....acres..	27,066	38,959	48,440	259	10,407	12,378	359	89,290
29	tons.....	34,064	50,618	65,302	367	14,732	17,406	495	118,871
30	Timothy alone.....acres..	5,001	4,697	14,856	30	3,469	2,905	187	19,319
31	tons.....	7,780	7,596	22,032	66	4,997	3,995	339	27,840
32	Timothy and clover mixed.....acres..	10,795	17,319	20,205	27	4,341	6,398	121	41,542
33	tons.....	13,225	25,501	28,784	53	6,870	9,178	96	57,155
34	Clover alone.....acres..	130	241	423	2	145	190	8	721
35	tons.....	210	434	629	6	281	287	0	1,099
36	Alfalfa.....acres..	97	92	173		32	31		275
37	tons.....	229	200	356		54	118		560
38	Other tame or cultivated grasses.....acres..	11,673	16,710	12,783	194	2,420	2,854	34	27,433
39	tons.....	12,640	16,827	14,601	232	3,030	3,828	51	32,217
40	Wild, salt, or prairie grasses.....acres..	495	544	1,023	23	325	398	18	1,748
41	tons.....	472	567	1,195	45	381	417	30	2,128
42	Small grains cut for hay.....acres..	1,069	1,479	2,035	83	831	677	30	5,165
43	tons.....	2,102	2,337	3,890	36	1,413	1,531	44	9,009
44	Annual legumes cut for hay.....acres..	64	94	283		64	81	40	324
45	tons.....	87	112	686		81	55	50	517
46	Silage crops.....acres..	1,857	2,504	3,105	16	1,198	1,207	84	4,558
47	tons.....	18,970	25,509	32,811	105	12,035	18,235	1,110	51,898
48	Corn cut for forage.....acres..	1,889	3,040	1,978	106	600	709	14	2,728
49	tons.....	3,326	6,842	6,369	207	1,062	2,843	41	9,996
50	Kafir, sorghum, etc., for forage.....acres..	14	10	16		6	18		46
51	tons.....	36	39	43		9	40		51
52	Root crops for forage.....acres..	170	1,418	249	7	127	136	3	308
53	tons.....	1,294	6,006	1,831	11	591	751	39	2,197
<b>Vegetables:</b>									
54	Potatoes (Irish or white).....acres..	1,690	2,144	2,608	17	1,089	1,648	68	3,495
55	bushels.....	138,976	197,903	232,940	2,650	71,247	150,271	5,960	288,307
56	Other vegetables.....acres..	1,101	2,841	7,175	10	854	883	305	2,254
<b>Miscellaneous crops:</b>									
57	Tobacco.....acres..	2,137	4,610			12			1
58	pounds.....	3,810,864	7,031,089	435		19,188	15		1,530
59	Maple trees tapped.....number..	26,793	84,186	611		12			4,820
60	Maple sugar made.....pounds..	10,251	33,923	15					887
61	Maple sirup made.....gallons..	6,159	17,520	170		4			1,454
<b>FRUITS.</b>									
<b>Small fruits:</b>									
62	Total.....acres..	222	160	591	100	167	4,397	11	391
63	quarts.....	263,677	180,696	1,148,357	359,100	196,550	14,871,294	11,885	393,805
64	Strawberries.....acres..	129	83	252		58	120	1	150
65	quarts.....	181,871	112,146	649,690		80,512	238,033	876	215,484
66	Raspberries.....acres..	40	41	36		18	36		77
67	quarts.....	38,387	35,849	83,523		16,307	30,554	516	78,974
68	Blackberries and dewberries.....acres..	35	32	57		16	24	2	74
69	quarts.....	28,802	30,910	48,778		7,383	12,444	1,635	49,556
70	Cranberries.....acres..	2	2	100		59	4,185		88
71	quarts.....	710	1,510	258,738	359,100	55,091	14,540,831		23,797
72	Currants.....acres..	12	8	11		15		8	46
73	quarts.....	10,624	6,215	92,040		36,345	21,984	8,544	25,974
<b>Orchard fruits:</b>									
74	Total.....trees not of bearing age..	58,675	76,827	277,352		36,049	48,066	2,011	233,726
75	trees of bearing age..	119,095	140,393	368,780		53,981	63,501	3,580	392,205
76	bushels harvested..	103,061	231,506	1,141,806		68,027	77,807	8,693	638,600
77	Apples.....trees not of bearing age..	38,651	67,674	236,474		27,772	35,394	1,532	185,142
78	trees of bearing age..	73,095	112,430	277,997		34,131	40,273	2,663	267,514
79	bushels harvested..	137,036	213,561	1,089,613		56,405	67,907	8,215	755,412
80	Peaches.....trees not of bearing age..	14,894	4,108	23,630		4,863	8,640	131	33,124
81	trees of bearing age..	38,347	10,800	62,430		13,029	15,593	42	96,792
82	bushels harvested..	21,173	12,113	49,846		7,247	5,508	37	60,572
83	Pears.....trees not of bearing age..	1,063	2,919	12,292		2,106	2,837	307	10,072
84	trees of bearing age..	3,803	5,090	18,200		3,544	5,094	823	18,817
85	bushels harvested..	4,207	4,601	17,711		3,178	3,408	419	19,132
86	Plums and prunes.....trees not of bearing age..	1,337	1,155	1,041		745	987	36	2,660
87	trees of bearing age..	2,197	3,951	5,138		1,500	1,880	24	5,682
88	bushels harvested..	448	948	3,334		897	890	14	2,249
89	Grapes.....vines not of bearing age..	1,732	726	4,744		2,045	1,367	65	3,802
90	vines of bearing age..	6,789	7,441	10,936		4,823	3,710	90	30,020
91	pounds harvested..	73,141	116,372	137,409		114,431	46,305	1,105	257,078

## AGRICULTURE—MASSACHUSETTS.

COUNTY TABLE V.—MORTGAGE DEBT, 1920; AND EXPENDITURES FOR LABOR, FERTILIZER, AND FEED, 1919.

	THE STATE.	Barnstable.	Berkshire.	Bristol.	Dukes.	Essex.	Franklin.
MORTGAGE DEBT REPORTS: 1920.							
1	For all farms operated by owners:						
2	Number free from mortgage debt.....	14,055	405	987	1,684	101	1,307
3	Number with mortgage debt.....	12,632	167	807	1,344	25	1,040
4	Number with no mortgage report.....	1,400	17	120	251	8	99
5	For farms consisting of owned land only:						
6	Number of farms reporting amount of debt.....	11,663	140	744	1,268	18	933
7	Value of land and buildings.....dollars..	70,745,237	985,100	3,932,435	6,059,585	106,195	6,034,214
8	Amount of mortgage debt.....dollars..	23,412,188	195,189	1,379,244	2,346,627	30,250	1,914,210
	Ratio of debt to value.....per cent..	33.1	19.8	35.1	38.7	28.5	31.7
	Average rate of interest paid.....per cent..	5.7	5.7	5.5	5.9	5.9	5.6
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.							
9	Labor:						
10	Farms reporting.....number..	18,322	440	1,435	1,678	85	1,758
11	Total expenditure.....dollars..	16,577,123	376,262	661,298	1,162,948	48,527	1,853,587
12	Amount in cash.....dollars..	13,929,305	344,604	469,832	1,009,955	37,770	1,591,039
	Value of rent and board furnished.....dollars..	2,647,818	31,458	191,466	152,993	10,757	262,548
13	Fertilizer:						
14	Farms reporting.....number..	16,992	368	1,019	2,038	87	1,453
15	Amount expended.....dollars..	3,906,733	40,364	99,504	328,481	11,114	231,636
16	Feed:						
	Farms reporting.....number..	27,853	550	2,078	3,154	130	2,583
	Amount expended.....dollars..	20,272,851	351,901	786,200	2,390,263	61,814	2,073,471

	Hampden.	Hampshire.	Middlesex.	Nantucket.	Norfolk.	Plymouth.	Suffolk.	Worcester.
MORTGAGE DEBT REPORTS: 1920.								
1	For all farms operated by owners:							
2	Number free from mortgage debt.....	910	1,202	2,053	8	528	985	25
3	Number with mortgage debt.....	879	1,451	1,791	5	675	799	16
4	Number with no mortgage report.....	119	82	65	6	65	102	18
5	For farms consisting of owned land only:							
6	Number of farms reporting amount of debt.....	822	1,308	1,685	5	540	733	12
7	Value of land and buildings.....dollars..	5,887,275	8,592,310	12,514,280	28,600	4,236,830	3,985,655	217,102
8	Amount of mortgage debt.....dollars..	1,927,968	2,616,420	4,108,350	9,442	1,444,582	1,318,452	58,600
	Ratio of debt to value.....per cent..	32.7	30.5	33.5	33.0	34.1	33.5	27.0
	Average rate of interest paid.....per cent..	5.5	5.5	5.7	6.0	5.8	5.9	5.7
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.								
9	Labor:							
10	Farms reporting.....number..	1,130	1,810	2,819	17	832	1,301	64
11	Total expenditure.....dollars..	1,241,249	1,277,672	3,763,128	9,425	1,105,787	1,118,360	287,161
12	Amount in cash.....dollars..	1,037,986	1,147,838	3,245,047	6,810	921,603	1,028,432	266,044
	Value of rent and board furnished.....dollars..	203,263	129,834	518,081	2,615	184,184	89,928	21,117
13	Fertilizer:							
14	Farms reporting.....number..	1,215	1,915	2,310	17	704	1,157	51
15	Amount expended.....dollars..	540,478	916,291	530,397	1,439	132,075	143,741	28,645
16	Feed:							
	Farms reporting.....number..	1,775	2,519	4,006	23	1,270	1,780	56
	Amount expended.....dollars..	1,171,373	1,420,864	3,641,739	18,670	1,474,305	1,444,094	156,811



# RHODE ISLAND.

## INTRODUCTION.

In the following pages are presented all the statistics of agriculture for Rhode Island collected at the census of 1920, except a few minor items which are given in the state tables of the United States summary, at the beginning of this volume, and certain detailed tabulations which appear in Volume V of the Fourteenth Census Reports. The statistics of farms and farm property, including live stock, relate to January

1, 1920; those of live-stock products, crops, and farm expenditures are for the calendar year 1919. In order to show the present tendency in agriculture, comparative figures for the census of 1910 are given throughout; and to show the general trend of the agricultural industry over a considerable period of time, all general farm information available is presented for the different censuses since 1850.

## FARMS AND FARM PROPERTY.

TABLE 1.—SUMMARY: 1920 AND 1910.

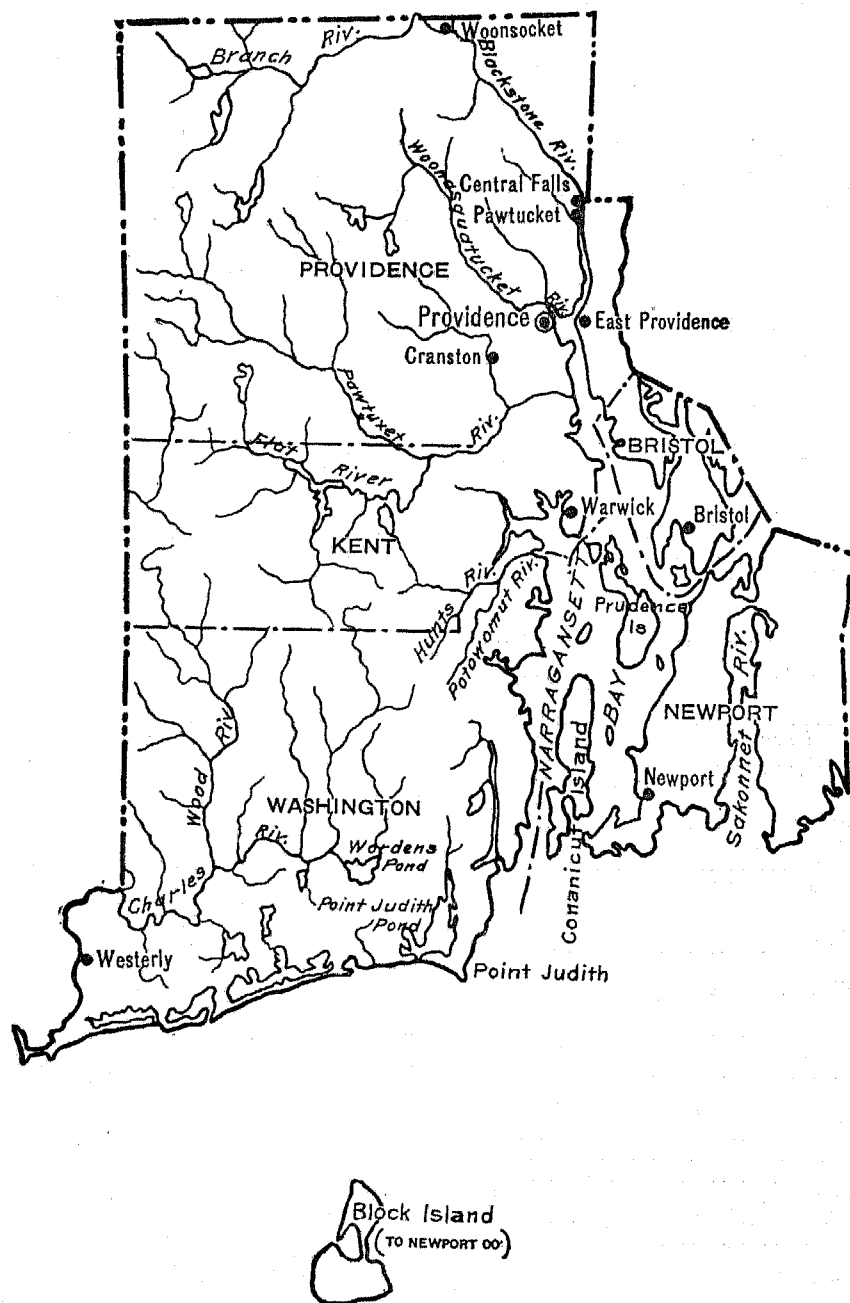
ITEM.	1920 (January 1)	1910 (April 15)	INCREASE. <sup>1</sup>	
			Amount.	Per cent.
Population, total.....	604,397	542,610	61,787	11.4
Rural <sup>2</sup> .....	15,217	17,956	-2,739	-15.3
Urban.....	589,180	524,654	64,526	12.3
Per cent rural.....	2.5	3.3		
Number of farms.....	4,083	5,292	-1,209	-22.8
Approximate land area of the state.....acres..	682,880	682,880		
All land in farms.....acres..	331,600	443,308	-111,708	-25.2
Improved land in farms.....acres..	132,855	178,344	-45,489	-25.5
Woodland in farms.....acres..	130,462	185,909	-55,447	-29.8
Other unimproved land in farms.....acres..	68,283	79,055	-10,772	-13.6
Per cent of land area in farms.....	48.6	64.9		
Per cent of farm land improved.....	40.1	40.2		
Average acreage per farm.....	81.2	83.8	-2.6	-3.1
Average improved acreage per farm.....	32.5	33.7	-1.2	-3.6
Value of all farm property.....	\$33,636,766	\$32,990,739	\$646,027	2.0
Land and buildings.....	26,387,926	27,932,860	-1,544,934	-5.5
Land alone.....	14,509,073	15,009,981	-500,908	-3.3
Buildings.....	11,878,853	12,922,879	-1,044,026	-8.1
Implements and machinery.....	2,408,561	1,781,407	627,154	35.2
Live stock.....	4,840,279	3,276,472	1,563,807	47.7
Average value per farm:				
All farm property.....	8,238	6,234	2,004	32.1
Land and buildings.....	6,463	5,278	1,185	22.5
Land alone.....	3,554	2,836	718	25.3
Buildings.....	2,909	2,442	467	19.1
Implements and machinery.....	590	337	253	75.1
Live stock.....	1,185	619	566	91.4
Average value per acre of land in farms:				
All farm property.....	101.44	74.42	27.02	36.3
Land and buildings.....	79.58	63.01	16.57	26.3
Land alone.....	43.75	33.86	9.89	29.2
Buildings.....	35.82	29.15	6.67	22.9
Implements and machinery.....	7.26	4.02	3.24	80.6
Live stock.....	14.60	7.39	7.21	97.6

<sup>1</sup> A minus sign (-) denotes decrease.

<sup>2</sup> Population residing outside of incorporated places or towns having 2,500 inhabitants or over. The rate of increase (or decrease) in the rural population between the two censuses is affected somewhat by the fact that certain places classified as rural in 1910 had become urban by 1920. The population in 1910 of the territory classified as rural in 1920 was 15,604. For this territory, the population shows a decrease between 1910 and 1920 amounting to 1.9 per cent, which percentage indicates the rate of decline in the rural population, leaving out of consideration the changes in classification of territory.

# RHODE ISLAND

COUNTIES, PRINCIPAL CITIES, AND RIVERS.



EXPLANATION OF TERMS.

To assist in securing comparability for its statistics of agriculture, the Bureau of the Census provided the enumerators with certain definitions and instructions, the more important of which were essentially as given below.

**Farm.**—A "farm" for census purposes is all the land which is directly farmed by one person managing and conducting agricultural operations, either by his own labor alone or with the assistance of members of his household or hired employees. The term "agricultural operations" is used as a general term, referring to the work of growing crops, producing other agricultural products, and raising domestic animals, poultry, and bees. A "farm" as thus defined may consist of a single tract of land or of a number of separate and distinct tracts, and these several tracts may be held under different tenures, as where one tract is owned by the farmer and another tract is hired by him. When a landowner has one or more tenants, renters, croppers, or managers, the land operated by each is considered a "farm."

In applying the foregoing definition of a "farm" for census purposes, enumerators were instructed to report as a "farm" any tract of 3 or more acres used for agricultural purposes, and also any tract containing less than 3 acres which produced at least \$250 worth of farm products in the year 1919, or required for its agricultural operations the continuous services of at least one person.

**Farmer.**—A "farmer" or "farm operator," according to the census definition, is a person who directs the operation of a farm. Hence owners of farms who do not themselves direct the farm operations are not reported as "farmers." Farmers are divided by the Bureau of the Census into three general classes according to the character of their tenure, namely, owners, managers, and tenants.

**Farm owners** include (1) farmers operating their own land only and (2) those operating both their own land and some land hired from others. The latter are sometimes referred to in the census reports as "part owners," the term "full owners" being then used for those owning all their land.

**Managers** are farmers who are conducting farm operations for the owner for wages or a salary.

**Farm tenants** are farmers who, as tenants, renters, or croppers, operate hired land only. They were reported in 1920 in five classes: (1) Share tenants—those who pay a certain share of the products, as one-half, one-third, or one-quarter, for the use of the farm but furnish their own farm equipment and animals; (2) croppers—share tenants who do not furnish their work animals; (3) share-cash tenants—those who pay a share of the products for part of the land rented by them and cash for part; (4) cash tenants—those who pay a cash rental, as \$7 per acre of crop land or \$500 for the use of the whole farm; (5) standing renters—those who pay a stated amount of farm products for the use of the farm, as 3 bales of cotton or 500 bushels of corn. In some cases the character of the tenancy was not ascertained by the enumerator; such tenants are designated "unspecified."

**Farm land.**—Farm land is divided into (1) improved land, (2) woodland, and (3) other unimproved land.

**Improved land** includes all land regularly tilled or mowed, land in pasture which has been cleared or tilled, land lying fallow, land in gardens, orchards, vineyards, and nurseries, and land occupied by farm buildings.

**Woodland** includes all land covered with natural or planted forest trees which produce, or later may produce, firewood or other forest products.

**All other unimproved land** includes brush land, rough or stony land, swamp land, and any other land which is not improved or in forest.

The census classification of farm land as "improved land," "woodland," and "other unimproved land" is one not always easy for the farmers or enumerators to make, and the statistics, therefore, must be considered at best only a close approximation.

NUMBER OF FARMS, ACREAGE, AND VALUE.

TABLE 2.—NUMBER OF FARMS AND FARM ACREAGE: 1850 TO 1920.

CENSUS YEAR.	FARMS.		LAND IN FARMS.				Per cent of land area in farms.	Per cent of farm land improved.
	Num-ber.	Per cent of in-crease. <sup>1</sup>	All land.		Improved land.			
			Acres.	Per cent of in-crease. <sup>1</sup>	Acres.	Per cent of in-crease. <sup>1</sup>		
1920.....	4,083	-22.8	331,600	-25.2	132,855	-25.5	48.6	40.1
1910.....	5,202	-3.7	443,308	-2.7	173,344	-4.3	64.9	40.2
1900.....	5,498	(*)	455,602	-2.9	187,354	-31.7	66.7	41.1
1890.....	5,500	-11.5	460,281	-3.8	274,401	-3.0	63.7	38.5
1880.....	6,216	15.8	514,813	2.5	298,486	3.3	75.4	58.0
1870.....	5,368	-0.7	602,303	-3.6	289,030	-13.8	73.6	57.5
1860.....	5,406	0.4	521,224	-5.9	335,128	-6.0	76.3	64.3
1850.....	5,385	.....	553,038	.....	356,487	.....	81.1	64.4

<sup>1</sup> A minus sign (—) denotes decrease. \* Less than one-tenth of 1 per cent decrease.

TABLE 3.—VALUE OF FARM PROPERTY: 1850 TO 1920.

CENSUS YEAR.	ALL FARM PROPERTY.		LAND AND BUILDINGS.		IMPLEMENTS AND MACHINERY.		LIVE STOCK.	
	Value.	Per cent of increase. <sup>1</sup>	Value.	Per cent of increase. <sup>1</sup>	Value.	Per cent of increase. <sup>1</sup>	Value.	Per cent of increase. <sup>1</sup>
1920.....	\$33,636,766	2.0	\$26,387,926	-5.5	\$2,408,561	35.2	\$4,840,279	47.7
1910.....	32,990,739	22.2	27,932,860	20.8	1,781,407	40.2	3,278,472	26.3
1900.....	26,989,189	7.2	23,125,260	5.7	1,270,270	35.0	2,593,659	9.7
1890.....	25,179,479	-13.3	21,873,479	-15.5	941,030	4.2	2,364,970	4.9
1880.....	29,039,046	42.4	25,832,079	50.0	902,825	43.5	2,254,142	-10.1
1870.....	20,397,077	-8.0	17,269,974	-11.7	628,997	7.2	2,608,100	22.8
1860.....	22,179,388	16.1	19,550,553	14.5	580,791	18.0	2,042,044	33.2
1850.....	19,100,640	.....	17,070,802	.....	497,201	.....	1,532,637	.....

<sup>1</sup> A minus sign (—) denotes decrease.

\* Computed gold values, being 80 per cent of the currency values reported.

TABLE 4.—AVERAGE ACREAGE AND AVERAGE VALUE PER FARM: 1850 TO 1920.

[Averages are based on "all farms" in the state.]

CENSUS YEAR.	AVERAGE ACREAGE PER FARM.		AVERAGE VALUE PER FARM.			
	All land.	Improved land.	All farm property.	Land and buildings.	Implements and machinery.	Live stock.
1920.....	81.2	32.5	\$8,238	\$6,463	\$580	\$1,185
1910.....	83.8	35.7	6,234	5,278	337	619
1900.....	82.9	34.1	4,909	4,208	231	472
1890.....	85.3	49.9	4,578	3,977	171	430
1880.....	82.8	48.0	4,672	4,164	145	383
1870.....	83.6	53.8	3,800	3,215	117	467
1860.....	96.4	62.0	4,103	3,616	109	378
1850.....	102.9	66.2	3,547	3,170	92	285

<sup>1</sup> Computed gold values, being 80 per cent of the currency values reported.

TABLE 5.—AVERAGE VALUE PER ACRE: 1850 TO 1920.

[Averages are based on "all land in farms" in the state.]

CENSUS YEAR.	All farm property.	Land and buildings.	Land alone.	Buildings alone.	Implements and machinery.	Live stock.
1920.....	\$101.44	\$79.58	\$43.75	\$35.82	\$7.26	\$14.60
1910.....	74.42	63.01	33.86	29.15	4.02	7.39
1900.....	59.24	50.76	29.46	21.30	2.79	5.69
1890.....	53.66	46.61	.....	.....	2.01	5.04
1880.....	53.41	50.27	.....	.....	1.75	4.38
1870.....	40.61	34.30	.....	.....	1.25	4.99
1860.....	42.55	37.51	.....	.....	1.13	3.62
1850.....	34.48	30.82	.....	.....	0.90	2.77

<sup>1</sup> Computed gold values, being 80 per cent of the currency values reported.

## FARMS BY SIZE.

TABLE 6.—NUMBER OF FARMS, BY SIZE: 1920 AND 1910.

SIZE GROUP.	NUMBER OF FARMS.		INCREASE. <sup>1</sup>		PER CENT OF TOTAL.	
	1920	1910	Number.	Per cent.	1920	1910
Total.....	4,083	5,292	-1,209	-22.8	100.0	100.0
Under 20 acres.....	936	1,377	-441	-32.0	22.9	26.0
Under 3 acres.....	62	145	-83	-57.2	1.5	2.7
3 to 9 acres.....	389	585	-196	-33.5	9.5	11.1
10 to 19 acres.....	485	647	-162	-25.0	11.9	12.2
20 to 49 acres.....	983	1,144	-161	-14.1	24.1	21.6
50 to 99 acres.....	1,031	1,264	-233	-18.4	25.3	23.9
100 to 174 acres.....	718	945	-227	-24.0	17.6	17.9
175 to 499 acres.....	357	487	-130	-26.7	8.7	9.2
500 to 999 acres.....	229	312	-83	-26.6	5.6	5.9
1,000 acres and over.....	128	175	-47	-26.9	3.1	3.3
500 to 999 acres.....	46	51	-5		1.1	1.0
1,000 acres and over.....	12	24	-12		0.3	0.5

<sup>1</sup> A minus sign (-) denotes decrease. Per cent not shown when base is less than 100.

TABLE 7.—NUMBER OF FARMS AND PER CENT DISTRIBUTION, BY SIZE: 1880 TO 1920.

SIZE GROUP.	1920	1910	1900	1890	1880
Total number of farms.....	4,083	5,292	5,498	5,500	6,216
Under 10 acres.....	451	780	834	420	430
10 to 19 acres.....	485	647	578	611	607
20 to 49 acres.....	983	1,144	1,169	1,239	1,391
50 to 99 acres.....	1,031	1,264	1,256	1,433	1,706
100 to 499 acres.....	1,075	1,432	1,599	1,751	2,029
500 to 999 acres.....	46	51	45	41	48
1,000 acres and over.....	12	24	17	5	5
Per cent of all farms.....	100.0	100.0	100.0	100.0	100.0
Under 10 acres.....	11.0	13.8	15.2	7.6	6.9
10 to 19 acres.....	11.9	12.2	10.5	11.1	9.8
20 to 49 acres.....	24.1	21.6	21.3	22.5	22.4
50 to 99 acres.....	25.3	23.9	22.8	26.1	27.4
100 to 499 acres.....	25.3	27.1	29.1	31.8	32.6
500 to 999 acres.....	1.1	1.0	0.8	0.7	0.8
1,000 acres and over.....	0.3	0.5	0.3	0.1	0.1

TABLE 8.—FARM ACREAGE AND VALUE, BY SIZE OF FARM: 1920 AND 1910.

SIZE GROUP.	ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.	
	1920	1910	1920	1910	1920	1910
Total.....	331,600	443,308	132,855	178,344	\$26,387,926	\$27,932,860
Under 20 acres.....	9,087	12,287	5,690	9,873	3,900,539	5,169,439
20 to 49 acres.....	31,740	36,603	18,435	22,097	4,697,856	5,309,083
50 to 99 acres.....	70,151	87,794	32,193	41,493	6,154,134	6,140,626
100 to 174 acres.....	88,332	117,084	35,640	47,500	5,322,994	4,739,185
175 to 499 acres.....	89,728	121,822	29,326	42,914	4,104,038	5,056,267
500 to 999 acres.....	27,012	30,875	7,190	10,577	1,547,805	1,101,800
1,000 acres and over.....	15,500	36,738	3,180	3,890	661,000	368,930

TABLE 9.—PER CENT OF FARM LAND IMPROVED, AND AVERAGE VALUES, BY SIZE OF FARM: 1920 AND 1910.

SIZE GROUP.	PER CENT OF FARM LAND IMPROVED.		AVERAGE VALUE OF LAND AND BUILDINGS.			
			Per farm.		Per acre.	
	1920	1910	1920	1910	1920	1910
Total.....	40.1	40.2	\$6,463	\$5,278	\$79.58	\$63.01
Under 20 acres.....	75.3	79.7	4,167	3,754	420.24	417.33
20 to 49 acres.....	58.1	60.4	4,779	4,641	148.01	145.05
50 to 99 acres.....	45.9	47.3	5,969	4,858	87.73	69.94
100 to 174 acres.....	40.3	40.6	7,414	5,068	60.23	40.90
175 to 499 acres.....	32.7	35.2	11,496	10,383	45.74	41.51
500 to 999 acres.....	26.6	34.3	33,637	21,594	57.28	35.67
1,000 acres and over.....	20.5	10.6	55,088	18,289	42.65	9.99

## FARMS BY TENURE.

TABLE 10.—NUMBER OF FARMS, BY TENURE: 1920 AND 1910.

TENURE.	NUMBER OF FARMS.		INCREASE. <sup>1</sup>		PER CENT OF TOTAL.	
	1920	1910	Number.	Per cent.	1920	1910
Total.....	4,083	5,292	-1,209	-22.8	100.0	100.0
Owners.....	3,245	4,087	-842	-20.6	79.5	77.2
Owning entire farm.....	2,971	3,831	-860	-22.4	72.8	72.4
Hiring additional land.....	274	256	18	7.0	6.7	4.8
Managers.....	205	251	-46	-18.3	5.0	4.7
Tenants.....	633	954	-321	-33.6	15.5	18.0
Share tenants.....	22	27	-5		0.5	0.5
Share-cash tenants.....	8	8				0.2
Cash tenants.....	609	738	-129	-17.5	14.9	13.9
Unspecified.....	2	181	-179	-98.9	(?)	3.4

<sup>1</sup> A minus sign (-) denotes decrease. Per cent not shown when base is less than 100.

<sup>2</sup> Less than one-tenth of 1 per cent.

TABLE 11.—NUMBER OF FARMS AND PER CENT DISTRIBUTION, BY TENURE: 1880 TO 1920.

TENURE.	1920	1910	1900	1890	1880
Total number of farms.....	4,083	5,292	5,498	5,500	6,216
Farms operated by owners.....	3,245	4,087	4,182	14,470	14,980
Owning entire farm.....	2,971	3,831	3,970	(?)	(?)
Hiring additional land.....	274	256	212	(?)	(?)
Farms operated by managers.....	205	251	208	(?)	(?)
Farms operated by tenants.....	633	954	1,108	1,030	1,236
Share tenants.....	22	27	63	118	247
Share-cash tenants.....	8	8			
Cash tenants.....	609	738	1,045	912	989
Unspecified.....	2	181			
Per cent of all farms.....	100.0	100.0	100.0	100.0	100.0
Operated by owners.....	79.5	77.2	76.1	181.3	180.1
Owning entire farm.....	72.8	72.4	72.2	(?)	(?)
Hiring additional land.....	6.7	4.8	3.9	(?)	(?)
Operated by managers.....	5.0	4.7	3.8	(?)	(?)
Operated by tenants.....	15.5	18.0	20.2	18.7	19.9
Share and share-cash.....	0.5	0.7	1.1	2.1	4.0
Cash and unspecified.....	15.0	17.4	19.0	16.6	15.9

<sup>1</sup> Includes farms operated by managers.

<sup>2</sup> Not reported separately.

<sup>3</sup> Included with farms operated by owners.

TABLE 12.—FARM ACREAGE AND VALUE, BY TENURE: 1920 AND 1910.

TENURE.	ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.	
	1920	1910	1920	1910	1920	1910
Total.....	331,600	443,308	132,855	178,344	\$26,387,926	\$27,932,860
Owners.....	245,934	318,202	97,719	127,964	17,941,656	18,137,295
Managers.....	28,792	44,436	13,943	15,914	4,616,373	5,175,000
Tenants.....	52,874	80,610	21,193	34,466	3,829,897	4,620,565

TABLE 13.—PER CENT DISTRIBUTION OF FARMS AND OF FARM ACREAGE AND VALUE, BY TENURE: 1920 AND 1910.

TENURE.	NUMBER OF FARMS.		ALL LAND IN FARMS.		IMPROVED LAND IN FARMS.		VALUE OF LAND AND BUILDINGS.	
	1920	1910	1920	1910	1920	1910	1920	1910
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	79.5	77.2	75.1	71.8	73.6	71.8	68.0	64.9
Managers.....	5.0	4.7	9.0	10.0	10.5	8.9	17.5	18.5
Tenants.....	15.5	18.0	15.9	18.2	16.0	19.3	14.5	16.5

TABLE 14.—AVERAGE ACREAGE, PER CENT OF FARM LAND IMPROVED, AND AVERAGE VALUES, BY TENURE: 1920 AND 1910.

TENURE.	AVERAGE ACREAGE PER FARM.				PER CENT OF FARM LAND IMPROVED.		AVERAGE VALUE OF LAND AND BUILDINGS.			
	All land.		Improved land.				Per farm.		Per acre.	
	1920	1910	1920	1910	1920	1910	1920	1910	1920	1910
Total.....	81.2	83.8	32.5	33.7	40.1	40.2	\$6,463	\$5,278	\$79.58	\$63.01
Owners.....	70.7	77.9	30.1	31.3	30.3	40.2	5,520	4,438	72.07	56.99
Managers.....	145.3	177.0	68.0	63.4	40.8	35.8	22,519	20,618	154.95	116.40
Tenants.....	83.5	84.5	33.5	36.1	40.1	42.8	6,050	4,843	72.43	57.32

FARMS BY SEX, RACE, AND NATIVITY OF FARMER.

TABLE 15.—NUMBER, ACREAGE, AND VALUE OF FARMS, CLASSIFIED BY SEX AND TENURE OF FARMER: 1920.

SEX AND TENURE.	Number of farms.	All land in farms (acres).	Improved land in farms (acres).	Value of land and buildings.	AVERAGE PER FARM.		
					All land (acres).	Improved land (acres).	Value of land and buildings.
Total.....	4,083	331,600	132,855	\$26,387,928	81.2	32.5	\$6,463
Male.....	3,788	308,308	124,262	24,000,858	81.4	32.8	6,597
Female.....	295	23,232	8,593	1,387,068	78.8	29.1	4,736
Owners.....	3,245	248,934	97,719	17,941,656	76.7	30.1	5,529
Male.....	2,976	227,593	89,801	16,707,283	76.5	30.2	5,614
Female.....	269	21,341	7,928	1,234,368	70.3	29.1	4,589
Managers.....	205	29,792	13,943	4,610,373	145.3	68.0	22,519
Male.....	201	29,376	13,741	4,576,373	146.1	68.4	22,768
Female.....	4	416	202	40,000	104.0	50.5	10,000
Tenants.....	633	52,874	21,193	3,829,897	83.5	33.5	6,050
Male.....	611	51,399	20,630	3,707,197	84.1	33.8	6,067
Female.....	22	1,475	563	122,700	67.0	25.6	5,577

TABLE 16.—NUMBER, ACREAGE, AND VALUE OF FARMS, CLASSIFIED BY NATIVITY OF WHITE FARMERS AND BY RACE OF COLORED FARMERS: 1920 AND 1910.

COLOR AND NATIVITY OR RACE.	NUMBER OF FARMS.		LAND IN FARMS, 1920 (ACRES).		Value of land and buildings, 1920
	1920	1910	Total.	Improved.	
All farmers.....	4,083	5,292	331,600	132,855	\$26,387,928
White farmers.....	4,083	5,251	330,648	132,543	26,348,426
Native <sup>1</sup> .....	3,123	4,408	276,543	108,607	20,272,037
Foreign-born.....	940	843	54,105	23,936	6,076,389
Country of birth:					
Canada.....	162	150	11,800	4,555	910,293
England.....	105	161	7,810	2,150	448,810
Germany.....	103	53	5,827	2,732	698,502
Ireland.....	50	115	4,813	2,048	588,500
Italy.....	131	83	5,546	2,205	742,322
Sweden.....	62	52	2,614	1,164	438,531
Other countries.....	818	229	17,135	0,022	2,249,381
Colored farmers.....	20	41	952	312	39,500
Negro.....	19	40	944	304	31,500
Indian.....	1	1	8	8	8,000

<sup>1</sup> Includes farmers with country of birth not reported, as follows: For 1920, 116; for 1910, 72.

TABLE 17.—NUMBER OF FARMERS, CLASSIFIED BY TENURE, COLOR, AND NATIVITY: 1920 AND 1910.

TENURE.	ALL FARMERS.		NATIVE WHITE. <sup>1</sup>		FOREIGN-BORN WHITE.		COLORED.	
	1920	1910	1920	1910	1920	1910	1920	1910
Total.....	4,083	5,292	3,123	4,408	940	843	20	41
Owners.....	3,245	4,087	2,621	3,466	710	592	14	29
Managers.....	205	251	153	199	51	52	1	.....
Tenants.....	633	954	449	743	179	199	5	12

<sup>1</sup> Includes farmers with country of birth not reported.

FARM MORTGAGES.

TABLE 18.—MORTGAGED FARMS: 1920 AND 1910.

[Owned farms only; includes all farms owned in whole or in part by the operator.]

CLASS.	NUMBER OF OWNED FARMS.		INCREASE. <sup>1</sup>		PER CENT OF TOTAL.	
	1920	1910	Number.	Per cent.	1920	1910
Total.....	3,245	4,087	—842	—20.6	100.0	100.0
Free from mortgage.....	1,971	2,811	—840	—29.0	60.7	68.8
Mortgaged.....	949	1,180	—231	—19.6	29.2	28.9
Unknown.....	325	96	229	.....	10.0	2.3

<sup>1</sup> A minus sign (—) denotes decrease. Per cent not shown when base is less than 100. The comparative figures shown for farms free from mortgage and mortgaged are affected somewhat by the fact that more farms were tabulated as "unknown" in 1920 than in 1910.

TABLE 19.—MORTGAGED FARMS (OR FARM HOMES): 1890 TO 1920.

CLASS.	OWNED FARMS.		OWNED FARM HOMES.		PER CENT OF TOTAL.			
	1920	1910	1900	1890	1920	1910	1900	1890
Total.....	3,245	4,087	4,229	4,125	100.0	100.0	100.0	100.0
Free from mortgage.....	1,971	2,811	2,853	3,339	60.7	68.8	67.5	80.9
Mortgaged.....	949	1,180	1,061	785	29.2	28.9	25.1	19.1
Unknown.....	325	96	315	.....	10.0	2.3	7.4	.....

TABLE 20.—MORTGAGE DEBT: 1920 AND 1910.

ITEM.	OWNED FARMS MORTGAGED. <sup>1</sup>		INCREASE. <sup>2</sup>	
	1920	1910	Amount.	Per cent.
Number of farms reporting amount of debt.....	858	1,001	—145	—14.5
Value of land and buildings.....	\$4,864,043	\$4,087,933	\$776,710	19.0
Amount of mortgage debt.....	\$1,494,367	\$1,356,326	\$138,041	10.2
Ratio of debt to value, per cent.....	30.7	33.2	.....	.....
Average rate of interest paid, per cent.....	5.8	.....	.....	.....
Average value per farm.....	\$5,683	\$4,084	\$1,599	39.2
Average debt per farm.....	\$1,740	\$1,355	\$385	28.9
Average equity per farm.....	\$3,937	\$2,729	\$1,208	44.3

<sup>1</sup> Includes only farms consisting wholly of owned land and reporting amount of debt. In considering the comparative figures, it should be borne in mind that the mortgage debt may have been more completely reported at one census than at the other.

<sup>2</sup> A minus sign (—) denotes decrease.

FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED.

TABLE 21.—FARMS REPORTING EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919 AND 1909.

ITEM.	NUMBER OF FARMS REPORTING.		INCREASE. <sup>1</sup>		PER CENT OF ALL FARMS.	
	1919	1909	Number.	Per cent.	1919	1909
Labor.....	2,296	3,521	—1,225	—34.8	58.2	68.5
Fertilizer.....	2,297	3,318	—1,021	—30.8	58.3	62.7
Feed.....	3,603	4,858	—1,255	—25.8	88.4	82.4

<sup>1</sup> A minus sign (—) denotes decrease.

TABLE 22.—AMOUNT OF EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919 AND 1909.

ITEM.	AMOUNT EXPENDED.		INCREASE.	
	1919	1909	Amount.	Per cent.
Labor, total.....	\$2,102,397	\$1,761,594	\$340,803	19.3
Amount in cash.....	1,730,402	1,429,388	301,014	21.1
Value of rent and board furnished.....	371,995	332,206	39,789	12.0
Fertilizer.....	379,786	335,103	44,683	13.3
Feed.....	2,889,450	1,678,183	1,211,267	72.2

## LIVE STOCK ON FARMS AND ELSEWHERE.

(DOMESTIC ANIMALS, POULTRY, AND BEES.)

**Domestic animals: 1920 and 1910.**—The census of 1920 was taken as of January 1 and that of 1910 as of April 15. Since a great many domestic animals are born during the period between January 1 and April 15 and, on the other hand, a considerable number of older animals are slaughtered or die during the same period, the numbers of the different classes of animals for the two censuses are not fully comparable. In addition to the change in the date of enumeration, there have been certain changes in the age and sex classifications. The 1910 figures presented in the following tables are therefore restricted to those classes of domestic animals which are least affected by these changes and for which the figures are fairly comparable with the 1920 returns.

**Dairy cows: 1920 and 1910.**—In 1910 the census called for "cows and heifers kept for milk" and "cows and heifers *not* kept for milk." The instructions read: "Report as cows kept for milk those whose milk is used in some form for human food. Cows milked for three months during the year should be reported as *kept for milk*, although a part of the year they run with their calves."

In 1920 the census called for "dairy cattle" and "beef cattle." Dairy cattle were defined as those "kept mainly for milk production," and the following instructions were given the enumerators: "Classify all cattle as beef cattle or as dairy cattle according to the principal purpose for which they are kept." It is believed that under this rule the fully established dairy and beef breeds have been properly reported, with few errors, and that cattle of the dual-purpose breeds or of no definite breeding have been placed in one class or the other, according to the principal purpose for which they are kept.

In states where cattle are raised extensively for beef production the result of this new classification will be to reduce materially the proportion of cows classified as dairy cows, and even in states having few strictly beef cattle the 1920 classification may be expected to give a somewhat smaller proportion of dairy cows than the 1910 classification.

In Rhode Island the number of "dairy cows," including heifers 1 year old and over, reported for January 1, 1920, was 24,914, as compared with 23,329 "cows kept for milk" reported for April 15, 1910. This represents an increase of 1,585, or 6.8 per cent, notwithstanding the change in classification indicated above. The

number of "beef cows" reported for January 1, 1920, was 1,001, as compared with 2,524 "other cows" reported for April 15, 1910, representing a decrease of 1,523, or 60.3 per cent.

**Farms reporting domestic animals: 1910.**—Horses were reported by 4,113 farms in Rhode Island in 1910, mules by 34 farms, cattle by 4,001, sheep by 242, and swine by 1,665. In comparing these figures with the 1920 figures given in the table, due allowance should be made for the fact that the total number of farms in Rhode Island in 1920 was only 4,083, as compared with 5,292 in 1910.

TABLE 23.—DOMESTIC ANIMALS ON FARMS: 1920.

CLASS.	FARMS REPORTING.		ANIMALS.		
	Num-ber.	Per cent of all farms.	Num-ber.	Value.	Average value.
Total.....	3,704	90.7	.....	\$4,385,833	.....
Horses, total.....	3,176	77.8	6,540	972,111	\$148.64
Colts under 1 year of age.....	75	1.8	129	17,020	131.94
Colts 1 year old and under 2 years.....	39	1.0	63	9,027	143.29
Mares 2 years old and over.....	1,877	33.7	2,042	313,987	153.76
Geldings 2 years old and over.....	2,274	55.7	4,189	611,188	145.90
Stallions 2 years old and over.....	81	2.0	117	20,889	178.54
Mules, total.....	35	0.9	75	9,037	120.49
Mule colts under 1 year of age.....	.....	.....	.....	.....	.....
Mule colts 1 year old and under 2 years.....	4	0.1	5	475	95.00
Mules 2 years old and over.....	31	0.8	70	8,562	122.31
Asses and burros.....	7	0.2	11	495	45.00
Cattle, total.....	3,318	81.3	30,519	2,984,098	97.78
Beef cattle, total.....	369	9.0	1,708	165,194	98.83
Calves under 1 year of age.....	97	2.4	244	6,880	28.22
Heifers 1 year old and under 2 years.....	64	1.6	164	13,930	84.94
Cows and heifers 2 years old and over.....	164	4.0	837	91,702	109.56
Steers 1 year old and under 2 years.....	40	1.0	97	7,704	79.42
Steers 2 years old and over.....	107	2.6	288	37,192	129.14
Bulls 1 year old and over.....	59	1.4	76	7,780	102.37
Dairy cattle, total.....	3,208	78.6	28,813	2,818,902	97.83
Calves under 1 year of age.....	1,289	31.0	3,183	113,775	35.74
Heifers 1 year old and under 2 years.....	1,328	32.5	3,483	224,714	64.52
Cows and heifers 2 years old and over.....	3,126	76.6	21,431	2,303,801	111.70
Bulls 1 year old and over.....	579	14.2	716	86,612	120.97
Sheep, total.....	146	3.6	2,736	37,319	13.64
Lambs under 1 year of age.....	84	2.1	684	7,545	11.03
Ewes 1 year old and over.....	130	8.2	1,814	25,268	13.92
Rams 1 year old and over.....	78	1.9	104	2,625	25.24
Wethers 1 year old and over.....	13	0.3	134	1,891	14.11
Goats, total.....	35	0.9	116	1,687	14.11
Kids under 1 year of age, raised for fleeces.....	3	0.1	6	43	7.17
Goats 1 year old and over, raised for fleeces.....	9	0.2	22	305	13.86
All other goats.....	27	0.7	88	1,289	14.65
Swine, total.....	2,097	51.4	12,869	381,138	25.73
Pigs under 6 months old.....	1,082	26.5	6,383	83,904	12.23
Sows and gilts for breeding, 6 months old and over.....	605	14.8	1,701	82,488	48.49
Bears for breeding, 6 months old and over.....	186	4.6	281	13,244	50.74
All other hogs, 6 months old and over.....	1,228	30.0	4,074	151,502	37.19



TABLE 24.—POULTRY AND BEES ON FARMS: 1920 AND 1910.

ITEM.	FARMS REPORTING, 1920.		NUMBER REPORTED. <sup>1</sup>		Value, 1920	Average value, 1920
	Number.	Per cent of all farms.	1920 (Jan. 1)	1910 (Apr. 15)		
Poultry, total.....	3,560	87.2	288,009	241,209	\$498,257	\$1.87
Chickens.....	3,534	86.6	253,607	302,704	471,456	1.86
Turkeys.....	187	4.6	1,310	1,109	7,990	6.10
Ducks.....	388	9.5	4,646	4,519	8,534	1.84
Geese.....	250	6.3	1,419	2,725	0,042	4.26
Guinea fowls.....	184	4.5	1,383	4,277	1,652	1.19
Pigeons.....	118	2.9	3,644	9,873	2,577	0.71
Hives of bees.....	168	4.1	688	1,267	6,189	9.02

<sup>1</sup>The numbers of the different classes of poultry are not strictly comparable for the two censuses, since a considerable number of fowls are killed between Jan. 1 and Apr. 15.  
<sup>2</sup>Includes a small number of peafowls.

TABLE 25.—SELECTED CLASSES OF DOMESTIC ANIMALS ON FARMS: 1920 AND 1910.

CLASS.	NUMBER.		INCREASE. <sup>1</sup>	
	1920 (Jan. 1)	1910 (Apr. 15)	Number.	Per cent.
<b>Horses:</b>				
Total, excluding spring colts reported for 1910.....	6,540	9,527	-2,987	-31.4
Colts under 1 year old on Jan. 1 of census year.....	129	93	36	.....
Horses 1 year old and over on Jan. 1 of census year.....	6,411	9,434	-3,023	-32.0
<b>Mules:</b>				
Total, excluding spring colts reported for 1910.....	75	63	12	.....
Mule colts under 1 year old on Jan. 1 of census year.....	.....	.....	.....	.....
Mules 1 year old and over on Jan. 1 of census year.....	75	63	12	.....
<b>Cattle:</b>				
Total, excluding spring calves reported for 1910.....	30,510	30,375	144	0.5
Calves under 1 year old on Jan. 1 of census year.....	3,427	3,541	-114	-3.2
Cows and heifers 1 year old and over on Jan. 1 of census year.....	25,015	25,853	82	0.2
Steers and bulls 1 year old and over on Jan. 1 of census year.....	1,177	981	196	20.0
<b>Sheep:</b>				
Total, excluding spring lambs reported for 1910.....	2,736	4,206	-1,470	-35.0

<sup>1</sup>A minus sign (-) denotes decrease. Per cent not shown when base is less than 100.

TABLE 26.—DOMESTIC ANIMALS NOT ON FARMS: 1920 AND 1910.

CLASS.	INCLOSURES REPORTING.		ANIMALS.			
			Number.		Increase. <sup>1</sup>	
	1920 (Jan. 1)	1910 (Apr. 15)	1920 (Jan. 1)	1910 (Apr. 15)	Number.	Per cent.
Total.....	4,568	6,806	.....	.....	.....	.....
<b>Horses.</b>						
Horses 1 year old and over on Jan. 1 of census year.....	2,487	6,049	6,940	17,802	-10,862	-61.0
.....	.....	.....	6,931	17,763	-10,832	-61.0
<b>Mules.</b>						
Mules 1 year old and over on Jan. 1 of census year.....	26	25	68	76	-8	.....
.....	.....	.....	68	76	-8	.....
<b>Asses and burros.</b>						
.....	6	6	6	8	-2	.....
<b>Cattle.</b>						
Cattle 1 year old and over on Jan. 1 of census year.....	1,347	1,214	3,003	2,654	349	13.1
.....	.....	.....	2,760	2,208	552	25.0
<b>Sheep.</b>						
.....	14	13	113	108	5	4.6
<b>Goats.</b>						
.....	129	133	253	243	10	4.1
<b>Swine.</b>						
.....	1,995	562	5,297	2,969	2,328	73.4

<sup>1</sup>A minus sign (-) denotes decrease. Per cent not shown when base is less than 100.

TABLE 27.—TOTAL NUMBER OF DOMESTIC ANIMALS: 1920.

CLASS.	Total.	On farms.	Not on farms.
Horses.....	13,480	6,540	6,940
Horses 2 years old and over.....	13,239	6,348	6,891
Mules.....	143	75	68
Mules 2 years old and over.....	136	70	66
Asses and burros.....	17	11	6
Cattle.....	33,522	30,519	3,003
Beef cattle.....	1,940	1,706	234
Dairy cattle.....	31,582	28,813	2,769
Dairy cows.....	23,658	21,431	2,227
Sheep.....	2,840	2,736	113
Goats.....	369	113	253
Swine.....	18,166	12,889	5,277

### LIVE-STOCK PRODUCTS.

**Farm value of live-stock products: 1919 and 1909.**—The Thirteenth Census schedule called for the total value as well as the total quantity of all live-stock products, whether sold or consumed on the farm. The 1909 values are therefore based directly on the reported figures. But in the Fourteenth Census schedule the question as to value in the case of dairy products, eggs, and chickens was restricted to the amounts sold. The 1919 value of butter made on farms has been computed on the basis of the average value received per pound for butter sold; the values of eggs produced and chickens raised have been computed in a similar way. The values of cheese made on farms and of honey and wax produced have been computed on the basis of average values per pound secured through the Bureau of Crop Estimates of the Department of Agriculture. The method of obtaining these average values was the same as that used for securing average values for the important crops, which is described in a later paragraph.

**Dairy products.**—It is difficult to secure reports of the total quantity of milk produced during a given year, especially from farmers who keep cows chiefly to supply milk and butter for family use. Since such farmers usually keep no records, they are able to make only rough estimates of the milk production and frequently underestimate the quantity of milk produced for home use. Many farmers, too, either because they are unwilling to make any estimates, or for other reasons, fail to report their milk production, even though they report butter or other dairy products, as well as dairy cows. For several decades past the Bureau of the Census has made estimates for such incomplete reports, where the farmer reported "cows kept for milk" but failed to report the amount of milk produced, these estimates being based on the average production per cow as shown by the complete reports. Since farmers with first-class dairy herds and up-to-date methods are more likely to make complete reports than those with cows of a lower grade, the estimates obtained in this way have probably been somewhat above

the actual production. With the new basis of classification for dairy cows in use for 1920, however, as already noted, the estimates should be more satisfactory than heretofore, since milk will be estimated only for cows kept mainly for milk production.

In the table which follows, both the actual reported quantity of milk produced and the estimated total are given. The latter includes, in addition to the milk reported, an estimate of the amount of milk produced on farms which reported dairy cows but failed to report any milk. A certain quantity of milk, on the other hand, was reported from farms which reported no dairy cows. This is included in the total and may represent either milk produced by beef cows milked a part of the year on farms having no dairy cows, or milk produced on farms which kept dairy cows some time during the year 1919 but had none on January 1, 1920. It may be safely assumed that the returns for butter and cheese made on farms and for milk, cream, butter fat, and butter sold are much more nearly complete than in the case of milk produced. Hence no estimates have been made for these items.

TABLE 28.—DAIRY COWS ON FARMS, 1920; AND DAIRY PRODUCTS, 1919 AND 1909.

ITEM.	FARMS REPORTING.		Number or quantity.	Unit.	Value.
	Number.	Per cent of all farms.			
Dairy cows on farms Jan. 1, 1920, total.....	3,126	76.6	21,431	Head.	
On farms reporting milk produced.....	2,614	64.0	19,164	Head.	
On farms not reporting milk produced.....	512	12.5	2,267	Head.	
Average production of milk per dairy cow, 1919 <sup>1</sup> .....			550	Gals.	
Specified dairy products:					
Milk, as reported..... 1919.....			10,852,261	Gals.	
..... 1909.....			10,441,951	Gals.	
Increase, 1909-1919.....			410,310	Gals.	
Per cent of increase.....			3.9		
Total production of milk, including estimates..... 1919.....			12,069,111	Gals.	
Butter made..... 1919.....	1,033	25.3	174,902	Lbs.	\$105,834
..... 1909.....	1,633	30.9	339,607	Lbs.	\$104,161
Cheese made..... 1919.....	66	1.7	10,410	Lbs.	\$3,748
..... 1909.....	22	0.4	3,860	Lbs.	\$615
Milk sold..... 1919.....	1,993	48.8	9,313,548	Gals.	\$3,667,306
..... 1909.....	1,953	36.9	8,796,847	Gals.	\$1,903,546
Cream sold..... 1919.....	119	2.9	30,022	Gals.	\$43,522
..... 1909.....	108	2.0	42,421	Gals.	\$55,997
Butter fat sold..... 1919.....	15	0.4	15,524	Lbs.	\$10,471
..... 1909.....	38	0.7	5,347	Lbs.	\$1,622
Butter sold..... 1919.....	370	9.1	81,150	Lbs.	\$49,229
..... 1909.....	643	12.2	177,322	Lbs.	\$55,955
Value of milk, cream, and butter fat sold, and of butter and cheese made <sup>2</sup> ..... 1919.....					\$3,830,881
..... 1909.....					\$2,065,941
Increase, 1909-1919.....					\$1,764,940
Per cent of increase.....					85.4
Receipts from sale of dairy products <sup>3</sup> ..... 1919.....					\$3,770,528
..... 1909.....					\$2,017,444
Increase, 1909-1919.....					\$1,753,084
Per cent of increase.....					86.9

<sup>1</sup> Based on the 1919 milk production as reported for dairy cows, and the number of dairy cows on hand Jan. 1, 1920.

<sup>2</sup> This item represents the total farm value of dairy products, excluding milk and cream consumed as such on the farm where produced.

<sup>3</sup> Figures for 1919 do not include "cheese sold," as that item was not reported for 1919. The value of cheese sold in 1909 was \$324.

TABLE 29.—SHEEP ON FARMS, 1920 AND 1910; GOATS ON FARMS, 1920; AND WOOL AND MOHAIR PRODUCED, 1919 AND 1909.

ITEM.	Farms reporting.	Number of sheep (or goats) on hand.	WOOL (OR MOHAIR) PRODUCED.		
			Number of animals shorn.	Weight (pounds).	Value.
Sheep on farms Jan. 1, 1920, total.....	146	2,736			
On farms reporting wool.....	107	2,522			
On farms not reporting wool.....	39	214			
Sheep of shearing age <sup>1</sup> on farms Apr. 15, 1910.....	214	4,206			
Wool produced, as reported, total..... 1919.....	111		2,103	12,751	\$7,855
On farms reporting sheep.....	107		2,050	12,433	\$7,671
On farms not reporting sheep.....	4		53	318	\$184
Total production of wool, including estimates..... 1919.....				13,488	\$8,363
..... 1909.....				24,009	\$6,835
Increase, 1909-1919 <sup>2</sup> .....				-10,521	\$1,528
Per cent of increase <sup>2</sup> .....				-43.8	22.4
Goats raised for fleeces, on farms Jan. 1, 1920.....	9	28			
Mohair produced, as reported, total..... 1919.....	5		13	72	\$42
..... 1909.....	1			2	\$1

<sup>1</sup> Sheep born before Jan. 1, 1910. <sup>2</sup> A minus sign (—) denotes decrease.

TABLE 30.—CHICKENS (OR FOWLS) ON FARMS, 1920 AND 1910; AND POULTRY PRODUCTS, 1919 AND 1909.

[The products shown for 1919 include chicken eggs and chickens only, while the 1909 figures include the products of all kinds of poultry.]

ITEM.	FARMS REPORTING.		Number or quantity.	Value.
	Number.	Per cent of all farms.		
Chickens on farms Jan. 1, 1920, total.....	3,534	86.6	Number.	
On farms reporting eggs produced.....	3,113	76.2	253,607	
On farms reporting chickens raised.....	2,349	57.5	233,006	
Fowls on farms Apr. 15, 1910.....	4,341	82.0	203,210	
Eggs produced, as reported..... 1919.....	3,149	77.1	1,424,521	\$843,777
Total production of eggs, including estimates..... 1919.....			1,536,858	906,746
..... 1909.....			2,894,081	848,627
Eggs sold, as reported..... 1919.....	2,413	59.1	1,017,488	604,363
..... 1909.....	3,606	68.1	2,246,670	669,984
Chickens raised, as reported..... 1919.....	2,382	58.3	Number.	
Total chickens raised, including estimates..... 1919.....			352,788	504,827
..... 1909.....			433,668	620,145
Chickens sold, as reported..... 1919.....	1,607	39.4	142,632	199,605
..... 1909.....	2,995	56.6	295,413	245,325

TABLE 31.—BEES ON FARMS, 1920 AND 1910; AND HONEY AND WAX PRODUCED, 1919 AND 1909.

ITEM.	Farms reporting.	Hives of bees.	PRODUCT.	
			Quantity (pounds).	Value.
Bees on farms Jan. 1, 1920, total.....	168	686		
On farms reporting honey.....	85	439		
On farms not reporting honey.....	83	247		
Bees on farms Apr. 15, 1910.....	285	1,267		
Honey produced..... 1919.....	85		6,488	\$1,687
..... 1909.....	175		14,221	2,904
Wax produced..... 1919.....			57	17
..... 1909.....			185	55

CROPS.

**Summary: 1919 and 1909.**—This section summarizes the census data relative to all of the farm crops of 1919 and 1909, except that it does not include nursery or greenhouse products or forest products of farms.

In comparing one year with another it should be borne in mind that the acreage of crops (or the number of fruit trees) and the number of farms reporting are on the whole a better index of the general changes or tendencies in agriculture than either the quantity or the value of the crops, since variations in quantity may be due mainly to favorable or unfavorable seasons, and variations in the

value of the crops may result largely from changes in prices.

The combined acreage of crops harvested in Rhode Island in 1919 for which the acreage was reported was 61,733, which represents 46.5 per cent of the total improved land in farms (132,855 acres). The total crop acreage reported for 1909 was 83,705, or 46.9 per cent of the improved land in farms (178,344 acres). Most of the remaining improved land doubtless consisted of improved pasture, land lying fallow, house and farm yards, and land occupied by orchards and vineyards, the acreage of which was not reported.

In addition to the crops regularly harvested, as shown in the tables, there were reported 90 acres of mature crops grazed or "hogged off."

TABLE 32.—SUMMARY FOR ALL CROPS: 1919 AND 1909.

CROP.	FARMS REPORTING.				ACRES HARVESTED.			PRODUCTION.						
	Number.		Per cent of all farms.					Quantity.				Value.		
	1919	1909	1919	1909	1919	1909	Percent of increase. <sup>1</sup>	Unit.	1919	1909	Percent of increase. <sup>1</sup>	1919	1909	Percent of increase. <sup>1</sup>
All crops.....					61,733	83,705	-26.2					\$5,340,378	\$2,986,816	78.8
With acreage reports.....												4,126,249	2,776,355	48.6
With no acreage reports.....												1,214,128	210,461	476.9
Cereals, total.....					9,168	12,112	-24.3	Bu.....	356,889	459,384	-22.3	665,745	374,097	77.0
Corn.....	2,211	2,898	54.2	54.8	7,324	9,679	-24.3	Bu.....	310,901	398,193	-21.9	606,256	385,629	80.6
Oats.....	321	455	7.9	8.6	1,215	1,726	-29.6	Bu.....	34,507	48,212	-28.4	37,958	28,661	32.4
Wheat.....	40	7	1.0	0.1	106	13		Bu.....	2,275	208		5,232	211	
Barley.....	43	63	1.1	1.2	145	182	-20.3	Bu.....	3,154	4,676	-32.5	4,416	4,126	7.0
Rye.....	120	176	2.9	3.3	349	477	-26.8	Bu.....	5,650	7,545	-25.1	11,300	7,007	61.3
Buckwheat.....	29	28	0.7	0.5	29	35		Bu.....	402	550	-26.9	583	463	25.9
Other grains and seeds with acreage reports, total <sup>2</sup> .....					105	58		Bu.....	1,164	896	29.9	7,390	2,211	234.2
Dry edible beans.....	198	252	4.8	4.8	69	54		Bu.....	863	817	5.6	6,041	2,084	189.9
Soy beans.....	12		0.3		13			Bu.....	156			624		
Dry peas.....	6	18	0.1	0.3	23	4		Bu.....	145	73		725	102	610.8
Seeds with no acreage reports, total <sup>3</sup> .....								Bu.....	298	19		2,956	2,803	13.6
Red clover seed.....	2		( <sup>4</sup> )					Bu.....	19			665		
Other clover and alfalfa seed.....	3		0.1					Bu.....	7			210		
Timothy seed.....	5	2	0.1	( <sup>4</sup> )				Bu.....	203	17		1,472	83	
Other grass seed.....	3		0.1					Bu.....	69	2		449	8	
Hay and forage, total <sup>4</sup> .....	2,558	4,546	87.1	85.9	50,490	61,330		Tons.....	90,926	80,309		2,319,136	1,309,757	41.1
All tame or cultivated grasses.....					39,592	55,698	-28.9	Tons.....	48,127	60,431	-27.6	1,677,739	1,189,019	41.1
Timothy alone.....	1,007	1,421	24.7	26.9	9,360	16,004	-43.6	Tons.....	12,565	21,392	-42.6	471,189	412,692	14.2
Timothy and clover mixed.....	1,520	1,917	37.2	36.2	17,242	22,046	-21.8	Tons.....	22,005	28,292	-22.2	781,179	507,738	53.9
Clover alone.....	57	60	1.4	1.1	303	205	47.8	Tons.....	528	295	78.3	18,674	4,786	290.2
Alfalfa.....	32	11	0.8	0.2	110	34		Tons.....	304	78		12,160	1,290	842.6
Other tame grasses <sup>5</sup> .....	1,176		28.8		12,877	16,809	-26.2	Tons.....	12,727	15,874	-19.8	394,537	262,513	50.3
Wild, salt, or prairie grasses.....	118	226	2.9	4.3	697	1,399	-50.2	Tons.....	640	1,194	-46.4	14,720	12,810	14.9
Small grains cut for hay.....	904		22.1		2,959	2,505	47.5	Tons.....	4,664	4,633	24.2	126,788	81,830	56,528
Annual legumes cut for hay.....	90		2.2		736			Tons.....	1,061			31,630		
Silage crops.....	340		8.3		2,557			Tons.....	26,341			302,923		
Corn cut for forage <sup>6</sup> .....	1,076		26.4		3,558	1,713		Tons.....	8,201	7,871		118,916	49,035	
Kafir, sorghum, etc., for forage.....	8		0.2		19			Tons.....	22			270		
Root crops for forage.....	232		5.7		342	15		Tons.....	1,840	180	922.2	46,000	2,365	
Vegetables, total.....												1,480,326	1,045,093	41.6
Potatoes (Irish or white).....	2,987	3,941	73.2	74.5	3,149	4,649	-32.3	Bu.....	293,087	552,677	-47.0	674,100	408,429	65.0
Sweet potatoes and yams.....	2	3	( <sup>7</sup> )	0.1	( <sup>8</sup> )			Bu.....	11	5		22	8	
Other vegetables <sup>9</sup> .....	916	4,325	22.4	81.7	2,163	5,275						394,100	636,656	
Farm garden <sup>10</sup> .....	3,440		84.3									412,104		
Miscellaneous crops, total.....												336	178	88.8
Tobacco.....	5	5	0.1	0.1	( <sup>11</sup> )	( <sup>11</sup> )		Lbs.....	800	510	-41.2	90	164	-45.1
Maple sugar and sirup.....	20	2	0.5	( <sup>11</sup> )								246	14	
Fruits, total.....												864,489	250,877	244.6
Small fruits.....					246	281	-12.5	Qts.....	339,064	437,560	-22.5	65,666	43,033	52.6
Other fruits.....	738		18.1									795,823	11,207,814	284.3

<sup>1</sup> A minus sign (—) denotes decrease. Per cent not shown when base is less than 100 or when per cent is more than 1,000.

<sup>2</sup> Excluding 3,688 acres reported for corn cut for forage, which is practically all duplicated in the acreage shown for corn harvested as grain.

<sup>3</sup> The 1909 figures include small quantities of peanuts and anise seed.

<sup>4</sup> The total values include the value of small quantities of flower and vegetable seeds. The entire acreage from which the grass and clover seeds were secured is believed to be included in the acreage given elsewhere for hay and forage.

<sup>5</sup> Less than one-tenth of 1 per cent.

<sup>6</sup> Corn cut for forage was not reported to any extent in 1909. Hence no close comparison between 1919 and 1909 can be made, either for the hay and forage totals or for the bracketed group in which corn cut for forage appears.

<sup>7</sup> Includes millet and Hungarian grass.

<sup>8</sup> Less than 1 acre.

<sup>9</sup> The 1919 figures represent vegetables raised for sale only.

<sup>10</sup> In 1909 the value of the farm garden was largely included in the value of "other vegetables."

<sup>11</sup> Includes the value of a small quantity of nuts.

**Farm value of crops.**—At the census of 1920 the farm schedule called for the value of all farm property, including land, buildings, implements and machinery, and the different classes of live stock. It also called for mortgage indebtedness, certain classes of farm expenditures, and the value of live-stock products sold. To this extent the census of 1920 followed the procedure of 1910 and 1900.

TABLE 33.—ACREAGE OF IMPORTANT CROPS: 1879 TO 1919.

CROP.	1919	1909	1899	1889	1879
Corn.....	7,324	9,679	3,149	7,819	11,893
Oats.....	1,215	1,726	1,530	3,648	5,876
Barley.....	145	182	222	363	715
Rye.....	349	477	591	779	1,270
Hay and forage.....	150,490	61,330	69,776	94,111	102,894
Potatoes.....	3,149	4,649	5,816	5,595	5,796

<sup>1</sup> Includes 3,588 acres in corn cut for forage. This crop was not included to any extent in the hay and forage totals prior to 1919.

TABLE 34.—PERCENTAGES AND AVERAGES FOR IMPORTANT CROPS: 1919 AND 1909.

CROP.	PER CENT OF IMPROVED LAND OCCUPIED.		AVERAGE YIELD PER ACRE.			AVERAGE VALUE PER ACRE.	
	1919	1909	Unit.	1919	1909	1919	1909
Corn.....	5.5	5.4	Bu...	42.4	41.1	\$82.78	\$34.68
Oats.....	0.9	1.0	Bu...	28.4	27.9	31.24	16.61
Barley.....	0.1	0.1	Bu...	21.8	25.7	30.40	22.67
Rye.....	0.3	0.3	Bu...	16.2	15.8	32.38	14.69
Hay and forage.....	88.0	84.4	Tons.	1.80	1.31	45.93	21.30
Potatoes.....	2.4	2.6	Bu...	93.1	118.9	214.07	87.85

TABLE 35.—VEGETABLES RAISED FOR SALE: 1919.

[Vegetables other than potatoes and sweet potatoes.]

CROP.	FARMS REPORTING.		Acres harvested.	Value of product.
	Number.	Per cent of all farms.		
Total.....	918	22.4	2,183	\$394,100
Asparagus.....	32	0.8	50	9,916
Beans (green).....	230	5.6	197	26,527
Cabbages.....	277	6.8	255	41,295
Cantaloupes and muskmelons.....	30	0.7	31	5,714
Carrots.....	35	0.9	22	6,132
Celery.....	33	0.8	25	12,602
Corn (sweet).....	497	12.2	756	75,733
Cucumbers.....	131	3.2	72	19,323
Lettuce.....	85	2.1	27	32,875
Onions.....	156	3.8	48	22,465
Peas (green).....	186	4.6	137	13,864
Peppers (green).....	42	1.0	90	10,930
Tomatoes.....	296	7.2	223	61,819
Turnips.....	113	2.8	56	12,188
All other vegetables.....	88	2.2	88	27,273
Mixed vegetables.....	25	0.6	86	15,374

TABLE 36.—MAPLE SUGAR AND SIRUP: 1919 AND 1909.

PRODUCT.	FARMS REPORTING.		Trees tapped.	PRODUCTION.		
	Number.	Per cent of all farms.		Quantity.	Unit.	Value.
Total.....	20	0.5	326	.....	.....	\$246
Sugar made.....	2	( <sup>1</sup> )	39	.....	.....	14
Sirup made.....	2	( <sup>1</sup> )	.....	10	Lbs.	3
.....	.....	.....	.....	97	Gals.	243
.....	.....	.....	.....	13	Gals.	14

<sup>1</sup> Less than one-tenth of 1 per cent.

In the case of farm crops, however, wherever a unit value could be used, such as the value per bushel, per pound, or per ton, the farmer was asked to report the acreage and production of each crop but not the value. To supplement the information obtained from the farmers, the Bureau of Crop Estimates of the United States Department of Agriculture secured by special schedule from its crop reporters average values for such crops. These special schedules were tabulated by the Bureau of the Census, and the resulting averages, approved by the Bureau of Crop Estimates as representing a fair average of the farm value per unit, were used in computing most of the crop values presented in the accompanying tables.

For some products it was not possible to find any satisfactory unit on which to base a computation of the total value. Values were therefore obtained on the 1920 census schedule for vegetables, other than potatoes and sweet potatoes, and for the farm garden.

TABLE 37.—SMALL FRUITS: 1919 AND 1909.

CROP.	FARMS REPORTING.		Acres harvested.	PRODUCTION.	
	Number.	Per cent of all farms.		Quantity (quarts).	Value.
Total.....	738	18.1	246	339,084	\$85,686
.....	.....	.....	281	437,580	48,033
Strawberries.....	503	12.3	90	116,646	29,162
.....	545	10.3	140	326,640	31,712
Raspberries.....	269	6.6	52	47,281	15,129
Loganberries.....	1	( <sup>1</sup> )	( <sup>2</sup> )	64	6
Raspberries and loganberries.....	154	2.9	34	32,871	4,197
Blackberries and dewberries.....	82	2.0	7	6,428	1,415
.....	69	1.3	16	17,876	1,927
Cranberries.....	90	1.5	82	152,582	16,784
.....	127	2.4	70	84,688	2,734
Currants.....	133	3.3	9	13,982	2,796
.....	130	2.5	12	17,110	1,564
Other berries.....	25	0.6	6	2,081	374
.....	.....	.....	9	8,476	899

<sup>1</sup> Less than one-tenth of 1 per cent.

<sup>2</sup> Less than 1 acre.

TABLE 38.—FRUIT TREES AND GRAPEVINES NOT OF BEARING AGE: 1920 AND 1910.

FRUIT.	FARMS REPORTING.				TREES OR VINES NOT OF BEARING AGE.	
	Number.		Per cent of all farms.		1920	1910
Orchard fruits, total <sup>1</sup> .....	1,363	.....	33.4	.....	107,272	94,564
Apples.....	1,118	1,005	27.4	19.0	71,375	54,560
Peaches.....	571	516	14.0	9.8	25,368	30,795
Pears.....	463	382	11.3	7.2	7,955	5,405
Plums and prunes.....	217	241	5.3	4.6	1,347	2,556
Cherries.....	313	143	7.7	2.7	1,188	453
Subtropical fruits, total.....	2	1	( <sup>2</sup> )	( <sup>2</sup> )	15	3
Figs.....	2	1	( <sup>2</sup> )	( <sup>2</sup> )	15	3
Grapes.....	279	119	6.8	2.2	44,984	9,634

<sup>1</sup> Includes apricots and quinces. Since these fruits were not specifically called for by the 1920 schedule, the returns for that year are somewhat incomplete.

<sup>2</sup> Less than one-tenth of 1 per cent.

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TABLE 39.—ORCHARD AND SUBTROPICAL FRUITS AND GRAPES: 1919 AND 1909.

FRUIT.	FARMS REPORTING TREES OR VINES OF BEARING AGE.				NUMBER OF TREES OR VINES OF BEARING AGE.		PRODUCTION.				
	Number.		Percent of all farms.				Quantity.			Value.	
	1920	1910	1920	1910	1920	1910	Unit.	1919	1909	1919	1909
Orchard fruits, total <sup>1</sup> .....	3,015	-----	73.8	-----	250,911	215,738	Bu....	374,413	245,822	\$774,050	\$197,639
Apples.....	2,958	3,327	72.4	62.9	173,110	152,009	Bu....	334,308	212,908	668,616	147,125
Peaches.....	386	814	22.9	15.4	61,125	39,842	Bu....	28,771	17,704	77,682	30,609
Pears.....	1,557	1,781	38.9	33.7	13,435	10,907	Bu....	10,713	12,601	20,784	14,577
Plums and prunes.....	387	533	9.6	10.1	1,964	4,826	Bu....	465	1,872	1,093	3,586
Cherries.....	333	310	9.4	5.9	1,181	964	Bu....	89	214	348	464
Subtropical fruits, total.....	5	4	0.1	0.1	129	183	Lbs...	960	1,090	115	397
Figs.....	5	4	0.1	0.1	129	183	Lbs...	960	1,090	115	397
Grapes.....	896	534	21.9	10.1	50,933	7,662	Lbs...	400,975	152,937	24,058	9,759

<sup>1</sup> Includes apricots and quinces. Since these fruits were not specifically called for by the 1920 schedule, the returns for that year are somewhat incomplete.

COUNTY TABLE I.—FARMS AND FARM PROPERTY, 1920; WITH SELECTED ITEMS FOR 1910 AND 1900.

		THE STATE.	Bristol.	Kent.	Newport.	Providence.	Washington.
<b>ALL FARMS.</b>							
1	Number of farms..1920.....	4,083	215	431	823	1,639	975
2	.....1910.....	5,292	234	638	1,003	2,122	1,224
3	.....1900.....	6,498	205	774	940	2,287	1,292
4	All farmers classified by sex, 1920:						
5	Male.....number.....	3,788	205	405	777	1,502	899
6	Female.....number.....	295	10	26	46	137	76
7	Color and nativity of all farmers, 1920:						
8	Native white.....number.....	3,123	141	326	598	1,201	857
9	Foreign-born white.....number.....	940	73	104	220	434	109
10	Negro and other nonwhite.....number.....	20	1	1	5	4	9
11	All farms classified by size, 1920:						
12	Under 3 acres.....number.....	62	1	5	2	47	7
13	3 to 9 acres.....number.....	389	55	26	85	159	64
14	10 to 19 acres.....number.....	485	48	47	155	169	66
15	20 to 49 acres.....number.....	983	62	103	272	387	159
16	50 to 99 acres.....number.....	1,031	32	110	196	450	243
17	100 to 174 acres.....number.....	718	13	91	83	284	247
18	175 to 269 acres.....number.....	229	1	19	19	94	96
19	260 to 499 acres.....number.....	128		19	10	38	61
20	500 to 999 acres.....number.....	46	3	9	1	7	26
21	1,000 acres and over.....number.....	12		2		4	6
<b>LAND AND FARM AREA.</b>							
22	Approximate land area, 1920.....acres.....	682,880	15,360	111,360	72,900	275,200	208,000
23	Land in farms..1920.....acres.....	331,600	8,238	40,810	42,639	122,825	117,088
24	.....1910.....acres.....	443,308	9,551	68,956	47,240	166,343	151,218
25	.....1900.....acres.....	455,602	7,585	71,936	48,652	167,437	159,992
26	Improved land in farms..1920.....acres.....	132,555	5,413	14,712	29,794	41,646	41,290
27	.....1910.....acres.....	178,344	6,048	21,259	34,883	57,785	58,369
28	.....1900.....acres.....	187,354	5,313	24,255	36,431	61,545	59,810
29	Woodland in farms, 1920.....acres.....	130,462	1,399	18,457	7,412	50,489	52,705
30	Other unimproved land in farms, 1920.....acres.....	68,283	1,426	7,641	5,433	30,690	23,093
31	Per cent of land area in farms, 1920.....	48.6	53.6	36.6	58.4	44.6	56.3
32	Per cent of farm land improved, 1920.....	40.1	65.7	36.0	69.9	33.9	35.3
33	Average acreage per farm, 1920.....	81.2	38.3	94.7	51.8	74.9	120.1
34	Average improved acreage per farm, 1920.....	32.5	25.2	34.1	36.2	25.4	42.3
<b>VALUE OF FARM PROPERTY.</b>							
35	All farm property..1920.....dollars.....	33,636,766	2,396,888	3,534,503	8,457,339	12,896,373	6,851,663
36	.....1910.....dollars.....	32,990,739	1,843,849	4,046,379	8,453,179	13,015,084	5,632,243
37	.....1900.....dollars.....	26,989,180	1,147,959	3,067,756	5,965,691	11,765,157	5,042,626
38	Land in farms..1920.....dollars.....	14,509,073	1,075,063	1,472,255	4,078,488	5,249,560	2,633,707
39	.....1910.....dollars.....	15,009,981	928,485	1,679,525	3,963,937	6,074,914	2,363,120
40	.....1900.....dollars.....	13,421,770	517,520	1,323,230	3,070,520	6,129,050	2,381,450
41	Farm buildings..1920.....dollars.....	11,878,853	916,720	1,308,255	2,599,183	4,760,812	2,293,883
42	.....1910.....dollars.....	12,922,879	690,025	1,824,580	3,106,722	5,008,055	2,293,497
43	.....1900.....dollars.....	9,703,490	483,180	1,291,170	2,108,660	3,919,790	1,900,690
44	Implements and machinery..1920.....dollars.....	2,408,561	130,497	229,820	570,686	1,001,358	478,200
45	.....1910.....dollars.....	1,781,407	81,321	172,580	513,845	679,561	334,100
46	.....1900.....dollars.....	1,270,270	50,910	153,130	225,760	618,540	221,980
47	Live stock on farms..1920.....dollars.....	4,840,279	274,008	524,173	1,208,982	1,884,643	947,873
48	.....1910.....dollars.....	3,276,472	144,018	369,694	868,675	1,252,554	641,531
49	.....1900.....dollars.....	2,593,659	96,949	300,226	500,751	1,097,777	538,556
50	Average values, 1920:						
51	All property per farm.....dollars.....	8,238	11,148	8,201	10,276	7,868	6,515
52	Land and buildings per farm.....dollars.....	6,463	9,284	6,451	8,114	6,108	5,054
53	Land alone per acre.....dollars.....	43.75	130.50	36.08	95.65	42.74	22.49
<b>FARMS OPERATED BY OWNERS.</b>							
54	Number of farms..1920.....	3,245	166	343	640	1,347	749
55	.....1910.....	4,087	175	516	746	1,723	927
56	.....1900.....	4,182	178	509	724	1,723	958
57	Per cent of all farms, 1920.....	79.5	77.2	79.6	77.8	82.2	76.8
58	Land in farms, 1920.....acres.....	248,934	4,864	30,833	29,865	100,402	82,970
59	Improved land in farms, 1920.....acres.....	97,719	3,202	10,338	20,657	34,653	28,959
60	Value of land and buildings, 1920.....dollars.....	17,941,656	1,114,110	1,675,240	4,185,071	7,825,195	3,142,040
61	Degree of ownership, 1920:						
62	Farmers owning entire farm.....number.....	2,971	153	331	513	1,271	703
63	Farmers hiring additional land.....number.....	274	13	12	127	76	46
64	Color and nativity of owners, 1920:						
65	Native white owners.....number.....	2,521	110	266	498	986	601
66	Foreign-born white owners.....number.....	710	55	76	138	360	81
67	Negro and other nonwhite owners.....number.....	14	1	1	4	1	7
<b>FARMS OPERATED BY MANAGERS.</b>							
68	Number of farms..1920.....	205	21	37	44	45	58
69	.....1910.....	251	30	44	48	71	58
70	.....1900.....	208	7	26	24	78	78
71	Land in farms, 1920.....acres.....	23,732	2,407	6,453	3,636	7,181	10,085
72	Improved land in farms, 1920.....acres.....	13,943	1,582	3,092	2,872	2,204	4,198
73	Value of land and buildings, 1920.....dollars.....	4,616,373	740,303	831,570	1,213,650	1,054,200	776,650
<b>FARMS OPERATED BY TENANTS.</b>							
74	Number of farms..1920.....	633	28	51	139	247	168
75	.....1910.....	954	29	78	209	399	239
76	.....1900.....	1,108	20	149	192	491	256
77	Per cent of all farms, 1920.....	15.5	13.0	11.8	16.9	15.1	17.2
78	Land in farms, 1920.....acres.....	52,874	967	3,494	9,138	15,242	24,033
79	Improved land in farms, 1920.....acres.....	21,193	629	1,282	6,265	4,879	8,138
80	Value of land and buildings, 1920.....dollars.....	3,829,897	137,270	273,700	1,278,950	1,130,977	1,008,900
81	Form of tenancy, 1920:						
82	Share tenants.....number.....	22	1	2	4	10	5
83	Share-cash tenants.....number.....						
84	Cash tenants.....number.....	609	20	49	134	237	163
85	Unspecified.....number.....	2	1		1		
86	Color and nativity of tenants, 1920:						
87	Native white tenants.....number.....	449	18	32	69	183	147
88	Foreign-born white tenants.....number.....	179	10	19	69	61	20
89	Negro and other nonwhite tenants.....number.....	5			1	3	1



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COUNTY TABLE II.—LIVE STOCK ON FARMS AND RANGES, 1920; AND LIVE-STOCK PRODUCTS, 1919.

	THE STATE.	Bristol.	Kent.	Newport.	Providence.	Washington.
<b>DOMESTIC ANIMALS: 1920.</b>						
Farms reporting domestic animals.....number..	3,704	180	403	788	1,445	888
Value of all domestic animals.....dollars..	4,335,833	245,631	470,767	1,082,083	1,721,839	815,658
<b>Horses:</b>						
Total number.....	6,540	334	720	1,547	2,440	1,493
Colts under 1 year of age.....	129	11	9	24	58	27
Colts 1 year old and under 2 years.....	63	7	12	8	18	18
Mares 2 years old and over.....	2,042	130	253	595	599	495
Geldings 2 years old and over.....	4,189	173	436	916	1,688	976
Stallions 2 years old and over.....	117	13	10	4	83	7
Total value.....dollars..	972,111	55,672	111,381	246,271	345,624	213,163
<b>Mules:</b>						
Total number.....	75	5	4	18	34	14
Mule colts under 1 year of age.....	5	1	1	1	3	1
Mule colts 1 year old and under 2 years.....	70	5	3	17	31	14
Mules 2 years old and over.....	9,037	700	400	2,290	3,892	1,755
Total value.....dollars..	11	5	3	3	2	1
<b>Asses and burros:</b>						
Total number.....	495	200	135	60	100	100
Total value.....dollars..	30,519	1,306	3,630	7,560	11,647	6,425
<b>Beef cattle:</b>						
Total number.....	2,984,096	168,126	314,521	756,377	1,227,982	517,090
Calves under 1 year of age.....	1,706	101	172	495	655	283
Heifers 1 year old and under 2 years.....	244	15	16	95	68	50
Cows and heifers 2 years old and over.....	104	26	6	54	58	20
Steers 1 year old and under 2 years.....	837	56	109	209	385	78
Steers 2 years old and over.....	97	1	2	36	19	39
Bulls 1 year old and over.....	288	31	89	95	73	73
Total value.....dollars..	165,194	12,885	15,346	50,723	64,386	21,854
<b>Dairy cattle:</b>						
Total number.....	25,813	1,205	3,498	7,065	10,992	6,143
Calves under 1 year of age.....	3,183	145	408	886	896	849
Heifers 1 year old and under 2 years.....	3,483	190	443	844	1,145	871
Cows and heifers 2 years old and over.....	21,431	846	2,489	5,185	8,667	4,241
Bulls 1 year old and over.....	716	34	68	148	284	182
Total value.....dollars..	2,818,902	155,241	299,175	705,654	1,163,596	496,236
<b>Sheep:</b>						
Total number.....	2,736	37	152	641	457	1,449
Lambs under 1 year of age.....	654	10	55	154	81	384
Ewes 1 year old and over.....	1,814	26	91	394	340	963
Rams 1 year old and over.....	104	1	6	35	20	42
Total value.....dollars..	37,319	555	1,635	8,732	6,464	19,933
<b>Goats:</b>						
Total number.....	116	1	2	13	86	14
Total value.....dollars..	1,637	5	20	209	1,213	190
<b>Pigs:</b>						
Total number.....	12,869	622	1,465	2,730	5,567	2,435
Pigs under 6 months old.....	6,833	325	708	1,476	2,711	1,553
Sows and gilts for breeding, 6 months old and over.....	1,701	114	181	304	697	425
Bears for breeding, 6 months old and over.....	261	32	34	45	85	65
All other hogs, 6 months old and over.....	4,074	151	502	905	2,074	442
Total value.....dollars..	831,138	20,673	42,610	68,024	130,004	63,827
<b>POULTRY AND BEES: 1920.</b>						
Chickens.....number..	253,607	15,230	27,022	62,427	81,077	67,851
Other poultry.....number..	12,402	1,141	797	4,483	2,874	3,107
Value of all poultry.....dollars..	498,257	28,077	53,326	126,576	160,293	130,085
Bees.....number of hives..	686	8	8	120	289	269
Total value.....dollars..	6,189	80	80	1,368	2,511	2,230
<b>LIVE-STOCK PRODUCTS: 1919.</b>						
<b>Dairy products:</b>						
Milk produced (as reported).....gallons..	10,852,261	428,257	1,090,566	2,926,079	4,638,944	1,762,415
Milk sold.....gallons..	9,313,548	363,583	891,248	2,578,928	4,328,198	1,151,591
Cream sold.....gallons..	30,022	3,094	4,432	3,916	9,510	9,070
Butter fat sold.....pounds..	15,524	100	100	850	3,421	11,153
Butter made on farms.....pounds..	174,902	7,497	12,883	29,073	48,507	70,942
Butter sold.....pounds..	81,150	2,755	5,030	9,785	18,195	45,385
Cheese made on farms.....pounds..	10,410	570	198	1,460	7,527	655
Value of dairy products <sup>1</sup> .....dollars..	3,830,881	167,742	423,789	930,190	1,818,400	481,754
Receipts from sale of dairy products.....dollars..	3,770,528	164,875	419,169	928,267	1,795,989	462,218
Average production of milk per dairy cow.....gallons..	550	569	466	587	592	466
<b>Eggs and chickens:</b>						
Eggs produced (as reported).....dozens..	1,424,521	75,151	190,527	326,486	442,263	390,094
Eggs sold.....dozens..	1,017,488	46,150	136,798	212,356	318,862	303,322
Chickens raised (as reported).....number..	352,788	21,163	97,310	56,032	83,371	94,006
Chickens sold.....number..	142,632	7,413	18,894	22,787	41,551	53,087
Value of chickens and eggs produced.....dollars..	1,348,604	81,862	251,096	272,483	407,271	335,292
Receipts from sale of chickens and eggs.....dollars..	803,968	41,727	101,429	155,954	266,078	238,180
<b>Honey and wax:</b>						
Honey produced.....pounds..	6,488	.....	.....	1,070	2,638	2,780
Wax produced.....pounds..	57	.....	.....	17	28	12
Value of honey and wax.....dollars..	1,704	.....	.....	283	694	727
<b>Wool:</b>						
Sheep shorn.....number..	2,103	26	109	456	368	1,144
Wool produced (as reported).....pounds..	12,751	156	686	3,064	1,965	6,880
Value.....dollars..	7,855	94	454	1,782	1,183	4,342

<sup>1</sup> Value of milk, cream, and butter fat sold, and of butter and cheese made on farms.

COUNTY TABLE III.—DOMESTIC ANIMALS NOT ON FARMS OR RANGES: 1920.

Inclosures reporting domestic animals.....	4,568	343	666	473	2,553	533
Horses, total number.....	6,940	193	593	557	5,203	394
Mules, total number.....	68	32	5	15	15	1
Asses and burros, total number.....	6	.....	2	1	1	2
Cattle, total number.....	3,003	235	624	572	1,212	360
Dairy cows.....	2,267	184	483	403	970	267
Sheep, total number.....	113	.....	39	6	15	53
Goats, total number.....	253	25	7	4	210	7
Swine, total number.....	5,297	416	1,136	439	2,795	511

COUNTY TABLE IV.—VALUE OF ALL CROPS, AND ACREAGE AND PRODUCTION OF PRINCIPAL CROPS: 1919.

		THE STATE.	Bristol.	Kent.	Newport.	Providence.	Washington.	
VALUE OF ALL CROPS.								
1	Total.....	dollars..	5,340,378	315,676	503,901	1,280,892	2,210,338	1,023,571
2	Cereals.....	dollars..	665,745	46,005	44,705	234,554	135,285	205,126
3	Other grains and seeds.....	dollars..	10,346	149	2,896	1,623	3,374	2,304
4	Hay and forage.....	dollars..	2,319,138	102,688	248,074	513,737	965,890	488,757
5	Vegetables.....	dollars..	1,480,326	131,584	153,194	462,448	497,463	235,637
6	Fruits.....	dollars..	864,489	35,250	54,942	68,540	608,040	97,717
7	All other crops.....	dollars..	336				806	80
SELECTED CROPS (acres harvested and production).								
Cereals:								
8	Total.....	acres..	9,168	604	596	3,524	1,581	2,913
9	.....	bushels..	356,889	24,081	23,322	131,363	69,649	108,484
10	Corn.....	acres..	7,324	492	527	2,483	1,399	2,423
11	.....	bushels..	310,901	21,440	21,911	101,897	67,701	97,952
12	Oats.....	acres..	1,215	46	81	784	34	320
13	.....	bushels..	34,507	1,278	809	24,116	664	7,640
14	Wheat.....	acres..	106	6	7	68	16	9
15	.....	bushels..	2,275	230	89	1,530	262	164
16	Barley.....	acres..	145			138	2	5
17	.....	bushels..	3,154			2,987	15	152
18	Rye.....	acres..	249	59	27	47	66	150
19	.....	bushels..	5,650	1,125	413	787	791	2,529
20	Buckwheat.....	acres..	29	1	4	4	14	6
21	.....	bushels..	402	8	95	36	216	47
Other grains and seeds:								
22	Dry edible beans.....	acres..	69		9	4	33	23
23	.....	bushels..	863	3	176	64	388	232
24	Dry peas.....	acres..	23			18	2	3
25	.....	bushels..	145		1	86	20	38
Hay and forage:								
26	Total.....	acres..	50,490	1,875	5,145	10,825	17,738	14,907
27	.....	tons..	90,926	4,103	10,906	19,689	38,185	18,043
28	All tame or cultivated grasses.....	acres..	39,592	1,380	3,568	8,783	13,820	12,041
29	.....	tons..	48,127	2,043	4,492	11,294	19,702	10,596
30	Timothy alone.....	acres..	9,360	479	623	1,298	4,638	2,322
31	.....	tons..	12,565	746	981	2,046	6,729	2,063
32	Timothy and clover mixed.....	acres..	17,242	658	1,015	5,382	5,490	4,697
33	.....	tons..	22,005	998	1,281	7,008	8,277	4,441
34	Clover alone.....	acres..	303	10	16	131	101	45
35	.....	tons..	526	16	25	199	210	76
36	Alfalfa.....	acres..	110	13	20	32	35	10
37	.....	tons..	304	52	33	85	112	22
38	Other tame or cultivated grasses.....	acres..	12,577	220	1,894	1,940	3,558	4,967
39	.....	tons..	12,727	231	2,172	1,066	4,374	8,994
Wild, salt, or prairie grasses.....								
40	.....	acres..	697	8	73	8	297	313
41	.....	tons..	640	8	84	6	320	222
42	Small grains cut for hay.....	acres..	2,959	70	583	240	964	1,097
43	.....	tons..	4,994	117	804	371	1,944	1,458
44	Annual legumes cut for hay.....	acres..	1,736	5	92	6	462	171
45	.....	tons..	1,061	6	153	11	659	232
46	Silage crops.....	acres..	2,557	180	348	613	1,019	3,999
47	.....	tons..	26,341	1,373	4,063	5,698	11,854	3,422
48	Corn cut for forage.....	acres..	3,588	203	1,041	1,145	1,145	776
49	.....	tons..	8,201	356	1,165	1,586	3,457	1,637
50	Kafir, sorghum, etc., for forage.....	acres..	19		1	7	6	5
51	.....	tons..	22		1	7	8	6
52	Root crops for forage.....	acres..	342	20	54	129	25	105
53	.....	tons..	1,840	200	204	725	241	470
Vegetables:								
54	Potatoes (Irish or white).....	acres..	3,149	227	396	1,061	757	708
55	.....	bushels..	293,087	23,241	30,657	120,772	64,519	53,898
56	Other vegetables.....	acres..	2,163	209	230	473	1,094	157
FRUITS.								
Small fruits:								
57	Total.....	acres..	246	13	26	16	140	51
58	.....	quarts..	339,004	14,826	21,257	30,919	223,897	48,165
59	Strawberries.....	acres..	90	7	16	14	34	19
60	.....	quarts..	116,645	9,255	16,136	28,088	34,844	28,323
61	Raspberries.....	acres..	52	4	4	2	33	9
62	.....	quarts..	47,281	2,832	2,842	2,283	30,293	9,026
63	Blackberries and dewberries.....	acres..	7				5	2
64	.....	quarts..	6,423	235	464	113	4,066	1,545
65	Cranberries.....	acres..	82		6		57	19
66	.....	quarts..	132,582		1,412		145,145	6,025
67	Currents.....	acres..	9	2			5	2
68	.....	quarts..	13,982	2,436	343	380	8,022	2,801
Orchard fruits:								
69	Total.....	trees not of bearing age..	107,272	4,265	7,965	8,811	69,863	16,868
70	.....	trees of bearing age..	250,911	12,086	21,689	18,908	152,364	45,474
71	.....	bushels harvested..	374,413	13,601	22,849	27,788	268,900	41,275
72	Apples.....	trees not of bearing age..	71,376	2,787	4,308	2,836	62,736	8,708
73	.....	trees of bearing age..	173,110	4,103	15,414	10,247	103,410	34,936
74	.....	bushels harvested..	324,308	11,790	20,422	20,236	243,822	38,038
75	Peaches.....	trees not of bearing age..	25,366	832	3,098	4,980	11,863	4,593
76	.....	trees of bearing age..	61,125	6,800	4,887	6,452	35,703	7,283
77	.....	bushels harvested..	28,771	984	1,620	5,801	19,483	1,383
78	Pears.....	trees not of bearing age..	7,955	558	384	571	3,812	2,680
79	.....	trees of bearing age..	13,435	888	922	1,988	7,096	2,541
80	.....	bushels harvested..	10,713	787	742	2,169	5,241	1,777
81	Plums and prunes.....	trees not of bearing age..	1,347	38	81	235	781	212
82	.....	trees of bearing age..	1,964	191	185	134	918	536
83	.....	bushels harvested..	465	26	46	39	232	72
84	Cherries.....	trees not of bearing age..	1,188	47	94	189	633	225
85	.....	trees of bearing age..	1,181	100	181	50	672	178
86	.....	bushels harvested..	89	10	19	1	54	5
87	Grapes.....	vines not of bearing age..	44,684	639	3,816	230	29,912	10,387
88	.....	vines of bearing age..	50,933	2,766	4,014	357	37,788	6,008
89	.....	pounds harvested..	400,975	52,689	40,114	3,005	277,452	27,715

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COUNTY TABLE V.—MORTGAGE DEBT, 1920; AND EXPENDITURES FOR LABOR, FERTILIZER, AND FEED, 1919.

	THE STATE.	Bristol.	Kent.	Newport.	Providence.	Washington.
<b>MORTGAGE DEBT REPORTS: 1920.</b>						
<b>For all farms operated by owners:</b>						
1 Number free from mortgage debt.....	1,971	72	196	428	761	514
2 Number with mortgage debt.....	949	77	102	152	460	158
3 Number with no mortgage report.....	325	17	45	60	128	77
<b>For farms consisting of owned land only:</b>						
4 Number of farms reporting amount of debt.....	856	66	95	112	425	158
5 Value of land and buildings.....dollars..	4,884,643	449,055	543,500	823,200	2,400,282	648,606
6 Amount of mortgage debt.....dollars..	1,494,367	136,240	174,287	225,504	699,655	258,681
7 Ratio of debt to value.....per cent..	30.7	30.3	32.1	27.4	29.1	39.9
8 Average rate of interest paid.....per cent..	5.8	5.9	5.9	5.5	5.9	5.8
<b>FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.</b>						
<b>Labor:</b>						
9 Farms reporting.....number.....	2,296	122	278	435	956	505
10 Total expenditure.....dollars.....	2,102,397	141,968	211,311	502,654	919,016	327,458
11 Amount in cash.....dollars.....	1,730,402	128,803	188,641	416,721	723,413	274,824
12 Value of rent and board furnished.....dollars..	371,995	15,165	22,670	85,933	195,603	52,634
<b>Fertilizer:</b>						
13 Farms reporting.....number.....	2,297	135	292	475	750	645
14 Amount expended.....dollars.....	379,788	27,532	32,426	124,042	117,002	78,784
<b>Feed:</b>						
15 Farms reporting.....number.....	3,608	194	397	732	1,445	840
16 Amount expended.....dollars.....	2,880,450	145,296	340,577	546,188	1,348,177	509,212