PER CENT OF LAND AREA IN FARMS, AND AVERAGE VALUE OF FARM LAND PER ACRE, IN CALIFORNIA, BY COUNTIES: 1910.

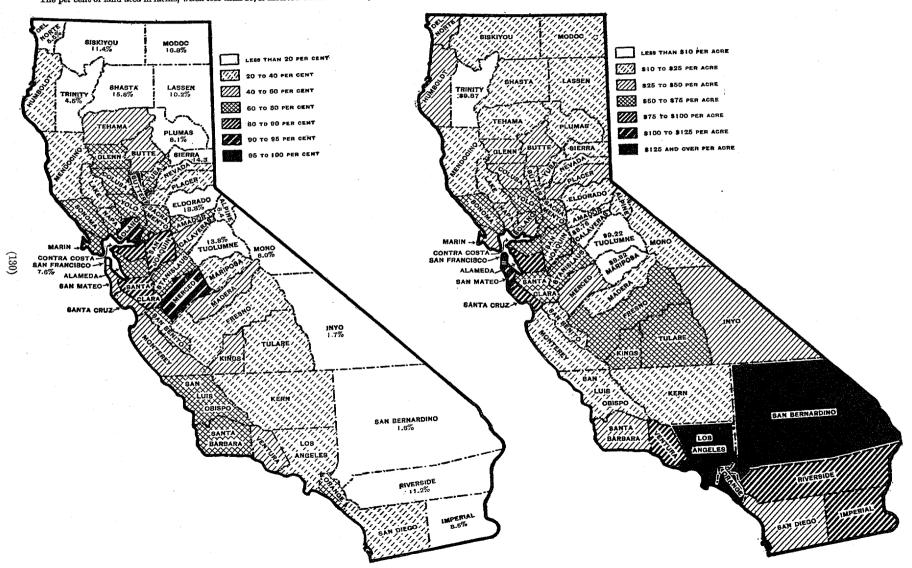
PER CENT OF LAND AREA IN FARMS.

AVERAGE VALUE OF FARM LAND PER ACRE.

[Average for the state, \$47.16.]

(Per cent for the state, 28.]
The per cent of land area in farms, when less than 20, is inserted under the county name.

When the value is less than \$10 per acre, it is inserted under the county name.



CALIFORNIA.

FARMS AND FARM PROPERTY.

California ranks second in land area and twelfth in population among the states and territories of continental United States. The state is extremely diversified, both topographically and agriculturally. The elevation ranges from sea level along the western coast and in portions of the interior valleys to altitudes in excess of 14,000 feet in the Sierra Nevada Mountains. The rugged masses of the Coast Range Mountains practically parallel the entire coast of the state. From the vicinity of San Francisco southward to San Diego there are deep mountain valleys and low, sloping, or nearly level Coastal Plain areas. The soils of these areas range from heavy claylike "adobe" soils to

sandy and gravelly loams.

The great central valley of California lies between the Coast Range and the Sierra Nevada Mountains. The northern portion of this valley constitutes the basin of the Sacramento River, while the southern portion constitutes the basin of the San Joaquin. The valley is everywhere practically uniform as regards its physical features. The soils immediately along the rivers are usually heavy clays and clay loams, constituting the overflow land and river flood plains. These are bordered along the foothills by loams, adobes, sandy loams, and sandy and gravelly soils, giving great variety in soil characteristics and in resultant crop adaptation. There is practically no agriculture within the Sierra Nevada Ranges aside from grazing. The portion of the state to the east of this region lies principally within the Great Basin, and mountain chains are interspersed with valleys whose floors are gravelly and sandy soils. These are practically undeveloped for agricultural purposes. In the portion of this region in the extreme northern part of the state the soil is largely composed of lavas and volcanic ash from numerous extinct volcanic craters. Within this region certain valleys are being reclaimed for agricultural uses. In the extreme southern portion of the state is a deep arid valley, some portions of which are below sea level. The soils are clays, sands, and sandy loams.

The normal annual rainfall of the state ranges from 2 or 3 inches in the southeast corner to 60 inches in the northwest corner. Except in the southeastern part of the state there is sufficient rainfall for raising grain crops without irrigation, but irrigation is practiced to some extent throughout the state.

The two maps on the opposite page show, for the different counties, the proportion of the total land area of the state which is in farms and the average value of farm land per acre. Over one-fourth (28 per cent) of the state's entire land area is in farms. The first

map shows that in 17 counties the proportion is less than 20 per cent. Eight of these counties form a contiguous group in the eastern and southeastern part of the state, 8 are in a group in the northern part, and 1, San Francisco County, is at the Golden Gate. In 11 counties scattered throughout the state the proportion is between 20 and 40 per cent; in 9, between 40 and 60 per cent; and in 15, between 60 and 80 per cent. In Merced and Solano Counties, in the west central part of the state, the proportion is between 90 and 95 per cent, while in Sutter, north of Sacramento and Yolo, it exceeds 95 per cent.

The average value of farm land per acre for the state as a whole is \$47.16, and, as shown by the second map, in only 4 counties-Trinity, Tuolumne, Calaveras, and Mariposa—is the average value less than \$10. Scattered over the state are 20 counties in which the average is between \$10 and \$25 per acre, and 14 in which it is between \$25 and \$50. The average is between \$50 and \$75 per acre in 10 counties which lie in the central and west central parts of the state; and between \$75 and \$100 in 5, 2 of which are located in the west central part and 3 in the southern part. In San Mateo County, in the west central part, the average value is between \$100 and \$125, and in San Francisco County, and in 3 counties—Los Angeles, San Bernardino, and Orange—in the southern part of the state the average is over \$125. These high values are due in part to the proximity of large cities, and in part to the large acreage in orchards. In explanation of the high average values in San Bernardino County it may be noted that only 1.6 per cent of the land area is occupied by farms and that the farm land. which lies mainly in the southwestern corner of the county is devoted almost exclusively to orange culture.

Progress during the decade 1900 to 1910.—Between 1900 and 1910 there was an increase of 21.6 per cent in the number of farms, as compared with an increase of 60.1 per cent in the population. During the same time the acreage of farm land apparently decreased, the total farm acreage 897,507 acres, or 3.1 per cent, and the improved acreage 568,943 acres, or 4.8 per cent. The average size of farms decreased 20.3 per cent. The apparent falling off in farm acreage is due, at least in part, as explained in the discussion following the next table, to errors in the Twelfth Census tabulation.

During the last decade farm property, which includes land, buildings, implements and machinery, and live stock (domestic animals, poultry, and bees), in-

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creased in value \$818,167,000, or 102.7 per cent. This total increase is made up of increases of \$742,689,000 in the value of land and buildings, \$60,297,000 in the value of live stock, and \$15,181,000 in the value of implements and machinery. In considering the increase of values in agriculture the general increase in the prices of commodities in the last 10 years should be borne in mind.

The average value of a fully equipped farm is \$18,308, an increase of \$7,328 as compared with the average in 1900. The average value per acre of land alone rose from \$21.87 in 1900 to \$47.16 in 1910.

The following table summarizes for the state the more significant facts relating to population and land area, the number, value, and acreage of farms, and the value of all other farm property in 1910 and 1900:

NUMBER AND LAND WATER OF TARMS	1910	1900	increasi ,	g_t
NUMBER, AREA, AND VALUE OF FARMS.	(April 15)	(June 1)	· Amount,	Per cent.
Population. Number of all farms	99, 617, 280 27, 931, 444 11, 389, 894	1, 485, 053 72, 542 99, 898, 880 28, 828, 951 11, 958, 837 397. 4	892, 496 15, 655 2 —281, 600 —897, 507 —568, 943 —80, 7	60. 1 21. 6 -3. 1 -4. 8 -20. 3
Value of farm property: Total	\$1, 614, 694, 584	\$796, 527, 955	\$818, 166, 629	102.7
Land Buildings Implements and machinery Domestic animals, poultry, and bees	36, 493, 158	630, 444, 960 77, 468, 000 21, 311, 670 67, 303, 325	686, 750, 488 55, 938, 040 15, 181, 488 60, 296, 613	108. 9 72. 2 71. 2 89. 6
Average value of all property per farm	\$18, 308 \$47. 16	\$10, 980 \$21. 87	\$7,828 \$25.29	66.7 115.6

1 A minus sign (-) denotes decrease.

² Due to the fermation of the Salton Sea.

Note.—Ranges or ranches using the public domain for grazing purposes, but not owning or leasing land, were counted as farms in 1910 and 1900. They were included as owned or managed, free from mortgage, and under 3 acres in size. The counting of these ranges as farms affects all totals, averages, and percentages in which the number of farms is a factor. In 1910 there were 89 such ranges included as farms.

Irrigation.—Of the 88,197 farms in the state, 39,352, or 44.6 per cent, were irrigated in 1909. The acreage reported as irrigated in 1909 was 2,664,104 acres, or 23.4 per cent of the improved land in farms. The area to which enterprises existing in 1910 were capable of supplying water was 3,619,378 acres, and the total acreage included in irrigation projects, completed or under way, in 1910 was 5,490,360 acres.

Population, number of farms, and farm acreage: 1850 to 1910.—The table following presents, for the state as a whole for each census from 1850 to 1910, inclusive, a statement of the total population, the number of farms, and the acreage of farm land and of improved land in farms. It also gives the percentage of the land area in farms, the percentage of farm land improved, and the percentage of increase during each decade in the number of farms and in the land in farms.

	FARMS.		MS.	LAN	d in fai	RMS,	_	Per
CENSUS Popula-			Per	All land.			Per cent of land	cent of farm
YEAR. tion.	Num- ber.	cent of in- crease.	Acres.	Per cent of in- crease.1	Improved land (acres).	area in farms.	land im- prov- ed.	
1910 1900 1890 1880 1870 1860	2,377,549 1,485,053 1,213,398 864,694 560,247 379,994 92,597	88, 197 72, 542 52, 894 35, 934 23, 724 18, 716 872	21. 6 37. 1 47. 2 51. 6 26. 8 2,046. 3	27, 931, 444 28, 828, 951 21, 427, 293 16, 593, 742 11, 427, 105 8, 730, 034 3, 893, 985	-3.1 34.5 29.1 45.2 30.9 124.2	11, 389, 894 11, 958, 837 12, 222, 839 10, 669, 698 6, 218, 133 2, 468, 034 32, 454	28. 0 28. 9 21. 5 16. 7 11. 5 8. 8 3. 9	40. 8 41. 5 57. 0 64. 3 54. 4 28. 3 0. 8

1 A minus sign (-) denotes decrease.

In the 60 years since 1850 the population of the state has increased from 92,597 to 2,377,549 and is now about twenty-six times as large as 60 years ago. The absolute increase during the last decade was more than twice as great as that during any other.

The number of farms in California in 1910 was 88,197, which represents an increase of 15,655 during the last decade, as compared with an increase of 19,648 during the decade immediately preceding. In 1850 there were only 872 farms in the state, but in 1860 the number had risen to 18,716. Since that date the increase has been continuous and fairly uniform.

The land area of California is approximately 99,617,280 acres. The part of this area occupied by farms increased continuously from 3,893,985 acres in 1850 to 28,828,951 acres in 1900, but suffered an apparent decrease during the last decade to 27,931,444 acres in 1910. The area of improved land increased from 32,454 acres in 1850 to 12,222,839 acres in 1890, but during the last two decades decreases have been reported, the improved acreage falling to 11,958,837 in 1900 and to 11,389,894 in 1910.

Between 1850 and 1880 the increase in the improved acreage was much greater relatively than the increase in the total farm acreage. Thus the percentage of farm land improved was very much higher in 1880 than in 1850, being 64.3 per cent in 1880, as compared with only eight-tenths of 1 per cent at the earlier date. During the 10 years between 1880 and 1890, however, the total farm acreage made the greater relative as well as the greater absolute increase, while from 1890

to 1900 the total farm acreage showed large increases, both absolute and relative, and the improved acreage showed decreases. The percentage of farm land improved was higher in 1880 than in any other year shown in the table. The decrease in the percentage of improved land probably represents a change in the classification of land by many farmers, who in 1910 reported as "unimproved land" a large amount of acreage which they formerly called "improved." The percentage reported as improved in 1910 (40.8 per cent) is almost the same as that in 1900 (41.5), the decrease in improved acreage during the decrease in total acreage.

The falling off in total and in improved farm acreage is especially noticeable in the central valley of the state, extending from Tehama County in the north to Orange County in the south, inclusive. An error has been discovered in the total farm acreage reported for Merced, Orange, and Sacramento Counties as published in the census reports for 1900, whereby these counties were together credited with 377,091 acres too much. Eliminating this error a decrease is still shown of 520,416 acres, or 1.8 per cent in the total farm acreage of the state. This decline is probably more apparent than real. For example, certain tracts included in forest reserves in 1910 were reported as farm land in 1900, although probably used for grazing

purposes at both censuses. During the decade the land in such reserves increased approximately from 9,000,000 to 28,000,000 acres. It is worthy of note, however, that during the 10 years a remarkable decline occurred in wheat farming in California. The acreage reported as in wheat decreased from 2,683,405 in 1899 to 478,217 in 1909, a decrease of 2,205,188, or 82.2 per cent.

The falling off in improved acreage could be partly accounted for by the decrease in wheat acreage as noted above. Inasmuch as the decrease in wheat acreage was nearly four times as great as the decrease in the aggregate improved acreage, the acreage of such improved farm land as was utilized other than for the raising of wheat increased appreciably during the decade. In fact it is probable that this increase was more than great enough to offset the decrease in the wheat acreage, and that this fact would appear in the table but for the change in the classification of land by many farmers which has already been referred to, these farmers in 1910 reporting as "unimproved land" considerable acreage of the same character and used for the same purposes as that which they formerly reported as "improved."

Values of farm property: 1850 to 1910.—The agricultural changes in California since 1850, as reflected in the values of the several classes of farm property, are shown in the table which follows:

CENSUS YEAR.	Total.		Land and buildings.		Implements and machinery.		Domestic animals, poultry, and bees.	
	· Value.	Per cent of increase.	Value.	Per cent of increase.	Value.	Per cent of increase.	Value.	Per cent of increase.
1910 1900 1890 1880 1870 1880	\$1,014,094,584 796,527,955 1777,381,767 1311,997,443 184,521,470 86,870,327 7,328,582	102.7 2.5 149.2 69.1 112.4 1,085.4	\$1,450,601,488 707,912,960 697,116,630 202,051,282 141,240,028 48,726,804 3,874,041	104.9 1.5 166.0 85.5 189.9 1,157.8	\$36, 493, 158 21, 311, 670 14, 689, 710 8, 447, 744 5, 316, 690 2, 558, 508 103, 483	71.2 45.1 73.9 58.9 107.8 2,372.4	\$127, 599, 938 67, 303, 325 1 65, 575, 427 1 41, 498, 417 37, 964, 752 35, 585, 017 3, 351, 058	89.6 2.6 58.0 9.3 6.7 961.9

¹ Includes estimated value of range animals.

The total wealth in the form of farm property is \$1,614,695,000, of which 89.8 per cent is contributed by land and buildings, 7.9 per cent by live stock, and 2.3 per cent by implements and machinery.

The value of land and buildings is \$1,450,601,000, being a little more than double that for 1900. In 1850 the value was only \$3,874,000, and has increased continuously during the whole period covered by the table. A continuous increase has occurred also in the values of live stock and of implements and machinery. In all three classes the absolute gain during the last 10 years has been much greater than that during any other decade covered by the table.

In general, the value of live stock has formed a decreasing percentage of the value of all farm property, being only 7.9 per cent in 1910, compared with 20.6 per cent in 1870 and with 45.7 per cent in 1850.

Average acreage and values per farm: 1850 to 1910.— The changes which have taken place during the past 60 years in the average acreage of California farms and in the average values of the various classes of farm property, as well as in the average value per acre of land and buildings, are shown in the following table:

		AVE	AVERAGE VALUE PER FARM.1						
CENSUS YEAR, 8	Average acres per farm.	All farm property.	Land and buildings.		Domestic animals, poultry, and bees.	value of land and buildings per acre.			
1910	316.7 397.4 405.0 461.8 481.7 466.4 4,465.6	\$18,308 10,980 214,697 28,683 7,778 4,642 8,404	\$16, 447 9,759 13,180 7,293 5,953 2,603 4,448	\$414 294 278 235 224 137 119	\$1,447 928 21,240 21,155 1,600 1,901 3,848	\$51. 93 24. 56 32. 53 15. 79 12. 36 5. 58 0. 99			

¹ Averages are based on "all farms" in state.
2 Includes estimated value of range animals.

One striking characteristic of California is the great area of semiarid land utilized for grazing purposes only or left unutilized. Upon such lands are located many very large farms or ranches, and these explain in large measure the high average acreage per farm. Farms other than those used almost exclusively for grazing are not, on the average, unusually large, as compared with the average in other states. The average size of the California farm is 316.7 acres. The average decreased from 4,465.6 acres in 1850 to 466.4 acres in 1860 and then increased to 481.7 acres in 1870, since which time it has decreased continuously.

The average value of a California farm including its equipment is \$18,308, of which \$16,447 represents the value of land and buildings, \$1,447 that of live stock, and \$414 that of implements and machinery. Although the total value of live stock increased continuously during the 60 years covered by the table, the average value per farm (\$3,843) was greater in 1850 than in any later census year. This condition was due to the fact that the live stock ranches of the state were developed before the period of general farming. The present average value per farm of all farm property shows an increase, as compared with the average value in 1900 (\$10,980), which has been more than sufficient to offset the marked decrease shown for the preceding decade.

The average value of land and buildings per farm is \$16,447, while the average value per acre is \$51.93. During the last decade the average value per acre more than doubled and the average value per farm increased more than two-thirds, while during the decade 1890–1900 a considerable decrease occurred in each item. It is noteworthy that notwithstanding the decrease in the size of farms throughout most of the period covered by the table, the value of implements and machinery per farm has continuously risen, the greatest increase occurring during the last decade, when the average value per farm advanced from \$294 to \$414.

Farm tenure: 1880 to 1910.—The number of all farms, and therefore of all farm operators, is 88,197. Of the operators, 66,632 are classified as owners, 3,417 as managers, and 18,148 as tenants. Of the 66,632 owners, 56,500 operate land owned exclusively by them, while 10,132 operate land which they rent in addition to that which they own. The tenants are further distributed according to the character of their tenancy; thus 6,135 are share tenants; 704, share-cash tenants; 9,737, cash tenants; and for 1,572 no report relative to character of tenure was secured.

In 1880, 7,124, or 19.8 per cent, of the farm operators were tenants; in 1910 the number was 18,148, or 20.6 per cent. Thus the present proportion of tenancy is practically the same as in 1880. There was, however, a decided increase in this proportion from 1890, when it was 17.8 per cent, to 1900, when it was 23.1 per cent, followed by a considerable decrease during the last

decade. During this decade the absolute increase in the number of tenants was 1,388. The percentage of tenants for the state (20.6) is above the average for the Pacific division (17.2), but low in comparison with the percentage for the United States as a whole (37).

For the sake of comparison with the figures for earlier censuses the share and share-cash tenants reported in 1910 may be grouped together, and likewise the cash tenants and those for whom the form of tenancy was not stated. Throughout the whole period the cash group has constituted an increasing proportion of the total number of all tenants, being smaller than the share group in 1880 and 1890 and larger in 1900 and in 1910.

The following table shows the distribution of the farms of the state according to character of tenure at each census since 1880:

TENURE.	1910	1900	1890	1880
Number of all farms	88, 197	72,542	52,894	35,034
Farms operated by owners and managers. Farms consisting of owned land only. Farms consisting of owned and hired land. Farms operated by managers.	70,049 56,500 10,132 3,417	55,782 44,318 8,211 3,253	43, 489 (¹) (¹)	28,810 (') (')
Farms operated by tenants	18,148 6,135 704 9,737 1,572	16,780 } 7,686 } 9,074	9,405 4,831 4,574	7,124 3,915 3,200
Per cent of farms operated by— Owners and managers Tenants Share and share-cash Cash and nonspecified	70. 4 20. 6 7. 8 12. 8	76. 9 23. 1 10. 6 12. 5	82. 2 17. 8 9. 1 8. 7	80. 2 10. 8 10. 0 8. 0

Not reported separately.
 Share-cash tenants were doubtless largely included with share tenants in 1900, 1890, and 1880.
 Prior to 1910 nonspecified tenants were included with each tenants.

The following table shows the total and improved acreage and the value of land and buildings for farms operated by owners (including part owners), managers, and tenants, respectively:

FARMS OPERATED		IN FARMS RES).	IMPROVEI FARMS		VALUE OF LAND AND BUILDINGS.		
вч—	1910	1900	1910 1900		1910	1900	
Total Owners Managers Tenants	15, 125, 339	15, 189, 945	6, 464, 472	6,718,790 1,602,536	\$1,450,601,488 882,447,830 229,544,415 338,609,243	413,818,770 124,564,000	

The following table shows the per cent distribution by tenure groups of the items in the preceding table, and also of the number of farms:

	PER CENT OF TOTAL.								
FARMS OPERATED BY-	Number of farms.		All land in farms.		Improved land in farms.		Value of land and buildings.		
	1910	1900	1910	1900	1910	1900	1910	1900	
TotalOwners	100.0 75.5 3.9 20.6	100.0 72.4 4.5 23.1	100.0 54.2 23.6 22.2	100.0 52,7 24.3 23.0	100.0 56.8 15.2 28.1	100.0 56.2 13.4 30.4	100.0 60.8 15.8 23.3	100. 0 58. 4 17. 6 24. 0	

It will be seen that in 1910, 54.2 per cent of all land in farms was in farms operated by their owners (including part owners), 23.6 per cent in farms operated by managers, and 22.2 per cent in farms operated by tenants, the percentage for owners being higher and that for managers and for tenants lower than in 1900.

As shown by the next table, the average size of farms operated by managers in 1910 (1,933 acres) was considerably more than five and one-half times as great as that of farms operated by tenants (341.7 acres), which was in turn about one and one-half times as great as that of farms operated by owners (227 acres). The average size of each class of farms decreased between 1900 and 1910. In 1910 the percentage of farm land improved was highest for farms operated by tenants, and lowest for those operated by managers.

	AVERAGE ACRES PER FARM.				PER CENT		AVERAGE VALUE OF LAND AND BUILDINGS.			
FARMS OPERATED BY—	All 1	and.	Impr lar		LAND IMPROVED.		Per farm.		Per acre.	
	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900
Total Owners Managers Tenants	316.7 227.0 1,933.0 341.7	397. 4 289. 2 2, 152. 5 396. 0	129.1 97.0 505.9 176.1	127.9	42.7 26.2	44. 2 22. 9	67,177	\$9,759 7,874 38,292 10,127	58.34 34.75	27.23 17.79

Farm mortgages: 1890 to 1910.—The Eleventh Census (1890) was the first to collect data relating to mortgage debt on farms. The basis of the returns was the "farm home" occupied by its owner. The same class of information was secured by the population schedules of the Twelfth Census (1900). The agricultural schedules of the Thirteenth Census (1910) secured practically the same information, except that the basis was "owned farms" instead of "owned farm homes"—a difference involving, however, no appreciable incomparability.

The following table relates to farms operated by persons owning all or part of the land, and shows for 1910 (1) the number of such farms reported as free from mortgage; (2) the number reported as mortgaged; and (3) the number for which no mortgage reports were secured. Comparable items are included for 1900 and 1890.

	OWNED I	PARMS.1	OWNED HOM		OWNED FARM HOMES.2		
CLASS.	1910 1900			0	1890		
	Number.	Per cent. ⁸	Number.	Per cent.*	Number.	Per cent.	
Total. Free from mortgage. Mortgaged. Unknown	86,632 39,368 26,749 515	59. 5 40. 5	51,093 33,620 15,979 1,494	67.8 32.2	42,252 28,520 13,732	67. 5 32. 5	

¹ Includes all farms owned in whole or in part by the operator. ¹ The 1,214 "owned farm homes" for which no reports were secured were distributed between "free from mortgage" and "mortgaged" in 1890. ¹ Per cent of combined total of "free from mortgage" and "mortgaged."

In 1910 the total number of farms owned in whole or in part by the operators was 66,632. Of this number, 39,368 were reported as free from mortgage; 26,749 were reported as mortgaged; and for 515 no report relative to mortgage indebtedness was obtained. The number of mortgaged farms constituted 40.5 per cent of the total number of owned farms, exclusive of those for which no mortgage report was obtained. percentage is considerably higher than it was in 1900 and 1890. It may be noted that the percentages given for the three censuses are comparable, but that the number of mortgaged and unmortgaged farms reported in 1890 is not entirely comparable with the numbers reported at the later censuses because at the census of 1890 the farms for which no reports were secured were distributed between the two classes of mortgaged and unmortgaged farms. It can be seen, however, that from 1890 to 1900 there was a greater absolute increase in the number of farms free from mortgage than in the number mortgaged. During the last decade, however, the greater increase occurred in the number mortgaged, the increase in the latter being 10,770 and that in the number free from mortgage 5.748.

The statement of mortgage debt and of the value of mortgaged farm property is restricted to the farms of those farmers who own all of their land and report the amount as well as the fact of indebtedness. Of the 26,749 farms reported as mortgaged, 22,146 are wholly owned by the farmers, and for 21,430 of these the amount of mortgage debt is reported. Only these last-mentioned farms are included for 1910 in the next table, which presents data relating to mortgaged farms for 1910 and 1890. In this connection it should be noted that in 1890 the amount of mortgage debt of farms with incomplete reports was estimated according to the percentages and averages obtained from farms with full reports, but that no such estimate is here made for 1910. The table gives a comparative statement of the value of mortgaged farms owned entirely by their operators and the amount of indebtedness, together with the average value of such farms, the average debt per farm, and the average equity per farm for 1910 and 1890. Data regarding the amount of mortgage debt were not obtained in 1900.

	OWNED FART	increase.1		
	1910 ²	1890 ³	Amount.	Per cent.
Number. Value—Land and buildings. Amount of mortgage debt. Per cent of debt to value. Average value per farm Average debt per farm Average equity per farm.	21, 430 \$250, 199, 190 \$60, 036, 660 24. 0 \$11, 675 \$2, 802 \$8, 873	13,732 \$154,256,866 \$46,767,837 30,3 \$11,233 \$3,406 \$7,827	\$442 -\$604 \$1,046	3.9 -17.7 13.4

¹ A minus sign (—) denotes decrease.
2 Includes only farms consisting wholly of owned land and reporting value of farm and amount of debt.
3 Includes all owned farm homes, estimates being made of value of farms and amount of debt for all defective reports.

The average debt of mortgaged farms decreased in the 20-year period from \$3,406 to \$2,802, or 17.7 per cent, while the average value of such farms rose from \$11,233 to \$11,675, or 3.9 per cent. Thus the owner's equity increased from \$7,827 to \$8,873, or 13.4 per cent. As a result of the greater relative increase in the total farm value than in the total farm debt, the mortgage indebtedness, which was 30.3 per cent of the value of the mortgaged farm in 1890, fell to 24 per cent in 1910.

Farms by size groups: 1910 and 1900.—The following table shows the distribution of farms by size groups at the censuses of 1910 and 1900:

SIZE GROUP.	NUMBER	of farms.	INCRI	CASE.	PER CENT OF TOTAL.		
	1910	1900	Number.	Per cent.	1910	1900	
Total. Under 3 acres. 3 to 9 acres. 20 to 49 acres. 50 to 99 acres. 100 to 174 acres. 175 to 259 acres. 260 to 499 acres. 500 to 999 acres. 1,000 acres and over.	88, 197 1, 260 9, 324 11, 932 20, 614 10, 680 12, 015 4, 689 7, 862 5, 119 4, 693	72,542 1,402 5,354 8,236 13,110 8,067 13,196 4,635 8,370 5,329 4,753	15, 655 -223 3, 970 3, 696 7, 504 2, 613 -1, 181 -54 -508 -210 -60	21.6 -14.9 74.2 44.9 57.2 32.4 -8.9 1.2 -6.1 -3.9 -1.3	100. 0 1. 4 10. 6 13. 5 23. 4 12. 1 13. 6 5. 3 8. 9 5. 8 5. 3	100.0 2.1 7.4 11.4 18.1 11.1 18.2 6.4 11.5 7.3 6.5	

¹ A minus sign (-) denotes decrease.

Of all the farms in California, 23.4 per cent are from 20 to 49 acres in size, 13.6 per cent from 100 to 174 acres, 13.5 per cent from 10 to 19 acres, and 12.1 per cent from 50 to 99 acres. Thus over three-fifths of all the farms in the state are from 10 to 174 acres in size. About one-fourth are of 175 acres or more. A study of the distribution of farms by size groups discloses the fact that between 1900 and 1910 the greatest absolute gain (7,504) occurred in those from 20 to 49 acres in size, while the greatest relative gain (74.2 per cent) took place in those from 3 to 9 acres. The number of places reported as farms of "under 3 acres" decreased 223, and now represents but 1.4 per cent of the total number of farms. This falling off may be due to a different interpretation made by the enumerators as to what constitutes a small farm, or may represent an actual decrease in the number of farms of that type.

Each of the five groups of farms of 100 acres and over shows a decrease, with the exception of the "175 to 259 acre" group, which group, although increasing in number, constituted a smaller proportion of all farms in 1910 than in 1900. An increase is reported for each of the groups embracing farms of from 3 to 99 acres. This increase in the relative number of the smaller farms in conjunction with the decline in aggregate farm acreage during the decade indicates a tendency to subdivide the large farms into smaller ones.

The following table shows the total and improved acreage and the value of land and buildings for farms of various size groups, consolidating into one group the farms of less than 20 acres (numbering in all

22,525), and also the farms of between 175 and 499 acres (numbering 12,551):

SIZE GROUP (ACRES).	ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.		
	1910	1900	1910	1900	1910	1900	
Total Under 20 20 to 49 50 to 99 100 to 174 175 to 499 500 to 999 1,000 and over.	200,822 625,954 752,951 1,709,459 3,816,700 3,535,598	385,844 578,102 1,945,423 3,998,456 3,685,027	558,296	132,385 339,866 422,059 951,867 2,266,008	\$1,450,601,488 133,881,517 192,799,674 149,394,265 161,032,374 271,773,253 104,156,673 377,563,732	53,390,550 70,970,890 59,248,950 74,150,220	

The following table shows the per cent distribution, by size groups, of the items presented in the preceding table, and also of the number of farms:

	PER CENT OF TOTAL.										
SIZE GROU?.	Number of farms.			land irms.	Impro- in fa	vedland rms.	Value of land and buildings.				
	1910	1900	1910	1910 1900		1900	1910	1900			
Total. Under 20 acres 20 to 49 acres 50 to 99 acres 100 to 174 acres 175 to 499 acres 500 to 999 acres 1,800 acres and over.	100. 0 25. 5 23. 4 12. 1 13. 6 14. 2 5. 8 5. 3	100. 0 20. 8 18. 1 11. 1 18. 2 17. 9 7. 3 6. 5	100. 0 0. 7 2. 2 2. 7 6. 1 13. 7 12. 7 61. 9	100, 0 0, 5 1, 3 2, 0 6, 7 13, 9 12, 8 62, 8	100. 0 1. 7 4. 9 5. 3 8. 5 19. 6 16. 2 43. 9	100. 0 1. 1 2. 8 3. 5 8. 0 18. 9 17. 0 48. 6	100. 0 9. 2 13. 3 10. 3 11. 1 18. 7 11. 3 26. 0	100, 0 7, 5 10, 0 8, 4 10, 5 18, 0 12, 4 33, 2			

Of the total farm acreage of the state in 1910, 61.9 per cent was in farms of 1,000 acres and over, this being from the standpoint of aggregate acreage the most important size group, although it comprised only 5.3 per cent of the total number of farms. Between 1900 and 1910 there was an increase in the proportion of the total acreage which was in farms of each size group less than 100 acres and a decrease in the proportion in farms of each size group 100 acres or more.

In general, as shown by the next table, the percentage of farm land improved diminishes as the size of the farms increases. For this reason and also because buildings have normally a higher value in proportion to farm acreage on small than on large farms, the average value of land and buildings per acre of land also diminishes with the increase in the size of the farms; it is very much higher for the farms under 20 acres in size than for those of any other group.

SIZE GROUP.		ENT OF	AVERAGE VALUE OF LAND AND BUILDINGS.					
SIZE GROUP.	IMPRO	OVED.	Per	farm.	Per acre.			
	1910	1900	1910	1900	1910	1900		
Total Under 20 acres 20 to 49 acres 50 to 99 acres 100 to 174 acres 175 to 499 acres 500 to 999 acres 1,000 acres and over	40.8 94.4 89.2 79.7 56.9 58.3 52.2 28.9	41. 5 91. 7 88. 1 73. 0 48. 9 56. 7 55. 3 32. 1	\$16, 447 5, 944 9, 353 13, 988 13, 403 21, 654 32, 068 80, 453	\$9,759 3,540 5,413 7,345 5,619 9,823 16,428 49,414	\$51.93 666.67 308.01 198.41 94.20 71.21 46.43 21.84	\$24. 56 369. 64 183. 94 102. 49 38. 12 31. 95 23. 76 12. 98		

Color and nativity of farmers: 1910.—Prior to the Thirteenth Census no attempt was made to secure information on the farm schedules concerning the nativity of farmers. The following table shows the color and nativity of farm operators by character of tenure for 1910:

	FARM OPERATORS.										
COLOR AND NATIVITY.	Total.					Per cent of total.					
	Num- ber.	Per cent dis- tribu- tion.	Own- ers.	Ten- ants.	Man- agers.	Own- ers.	Ten- ants.	Man- agers.			
Total Native white Foreign-born white. Negro and other nonwhite	88,197 58,926 26,193 3,078	100.0 66.8 29.7	66, 632 45, 780 19, 914 938	18,148 10,505 5,565 2,078	3,417 2,641 714 62	75. 5 77. 7 76. 0 30. 5	20.6 17.8 21.2	3, 9 4, 5 2, 7 2, 0			

More than two-thirds (66.8 per cent) of the California farmers were native whites and about three-tenths (29.7 per cent) foreign-born whites. Only 3,078, or 3.5 per cent of all farmers, were nonwhites. Of these, 1,816 were Japanese, 591 Indians, 512 Chinese, and 159 negroes. It is interesting to note the form of tenure under which these different classes hold land. Of the native white farmers, 17.8 per cent were tenants; of the foreign-born white, 21.2 per cent; and of the nonwhite, 67.5 per cent.

Of a total of 26,193 foreign-born white farmers in California in 1910, 4,669 were born in Germany, 2,457 in Italy, 2,365 in England, and 2,124 in Canada. Other European countries were represented by a total of 13,531 farmers, and non-European countries, other than Canada, by 1,047.

DOMESTIC ANIMALS, POULTRY, AND BEES,

Domestic animals on farms: 1910.—The census of 1910 was taken as of April 15 and that of 1900 as of June 1. Since a great many domestic animals are born during the six weeks between April 15 and June 1, 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 closely comparable, and the same is true in somewhat less degree of the values. For this reason the figures for 1900 are not presented in this bulletin, but in the general reports of the census the figures for the several states will be presented and the extent to which their comparability is affected by the change in the date of enumeration will be discussed.

Of the total number of farms enumerated, 80,304, or 91.1 per cent, report domestic animals of some kind, the number without any domestic animals being 7,893.

Cattle are reported by 71.5 per cent of all farms, "dairy cows" by 69.3 per cent, and "other cows" by 18.3 per cent. The average number of "dairy cows" per farm reporting such cows is less than 8, while the average number of "other cows" per farm reporting is about 36. Each class of cattle, excepting calves, increased in number materially during the last decade. The census of 1900 was taken as of June 1, after all the spring calves were born, while that of 1910 was taken as of April 15, before the close of the calving season and when the calves on hand were on the average younger than at the enumeration of 1900. As a result the calves enumerated were fewer in number and of lower average value in 1910 than in 1900, the number decreasing from 329,430 to 267,799, and the average value decreasing from \$8.49 to \$7.03.

Horses are reported by 86.3 per cent of all the farms in the state. It may be noted that only 19.1 per cent report colts born in 1909 and 12.9 per cent report spring colts. The average value of mature horses is considerably more than twice that reported in 1900.

The following table summarizes the statistics of domestic animals on farms for the state, recorded as of April 15, 1910. Cattle and sheep are divided into age and sex groups, while horses, mules, and swine are presented by age groups only.

	FARMS RE	PORTING.	ANIMALS.			
AGE AND SEX GROUP.	Number.	Per cent of all farms.	Number.	Value.	Aver- age value.	
Total	80,304	91.1		\$123,024,652		
Cattle. Dairy cows (cows and heif-	63,053	71.5	2,077,025	52,785,068	\$25, 41	
ers kept for milk, born before Jan. 1, 1909) Other cows (cows and heif-	61,101	69. 3	467, 332	18,597,328	39.79	
ers not kept for milk, born before Jan. 1, 1909). Heifers born in 1909.	16,116 24,492	18.3 27.8	576, 909 218, 480	14,798,012 3,448,595	25. 65 15. 78	
Calves born after Jan. 1, 1910 Steers and bulls born in	30,126	34.2	267,799	1,883,523	7.03	
1909 Steers and bulls born be-	11,934	13.5	163, 728	2,889,503	17.65	
fore Jan. 1, 1909 Unclassified cattle	11,601 93	13. 2 0. 1	321, 984 60, 793	9,941,169 1,226,938	30. 87 20, 18	
Horses. Mares, stallions, and geld-	76, 119	86.3	468, 886	47,099,196	100.45	
ings, born before Jan. 1, 1909	75,911 16,813 11,364 11	86. 1 19. 1 12. 9 (¹)	402, 584 41, 927 23, 037 1, 338	43,770,557 2,389,191 767,648 171,800	108, 72 56, 98 33, 32 128, 40	
Mules born before Jan. 1,	11,015 10,059	12.5	69,761 61,997	9,016,444 8,552,021	129, 25 137, 94	
Mule colts born in 1909 Mule colts born after Jan.	1,761	2.0	4,913	351,667	71.58	
1, 1910	1,271	1.4	2,851	112,756	39, 55	
Asses and burros	1,099	1.2	2,592	347,315	133, 99	
Swine	31,609	35.8	766,551	5, 106, 803	6, 6 6	
Jan. 1, 1910. Pigs born after Jan. 1, 1910.	27,585 16,143	31. 3 18. 3	482,810 283,741	4,346,824 759,979	9.00 2.68	
Sheep	3, 857	4.4	2,417,477	8,348,997	3.45	
Ewes born before Jan. 1,	3,390	3.8	1,217,515	4,914,783	4.01	
Rams and wethers born before Jan. 1, 1910	2,204	2.5	307,773	1,326,699	4.31	
Lambs born after Jan. 1, 1910	3,028	3.4	892,189	2,107,515	2.36	
Goats	1,714	1.9	138,413	320,829	2.32	

¹ Less than one-tenth of 1 per cent.

Mules are reported by about one farm out of every eight, and the number of this class of animals is 14.9 per cent of the number of horses. The average values of mules are considerably higher than those of horses of corresponding ages.

Sheep and lambs are reported from 3,857 farms, or 4.4 per cent of all the farms in the state. Of these farms, 78.5 per cent report spring lambs, the number of the latter being equal to 73.3 per cent of the number of ewes. Ewes are reported from 3,390 out of the 3,857 farms reporting sheep, the average number being about 359 per farm. The figures for the farms reporting rams and wethers show an average of about 140 per farm. The average size of the flock, excluding spring lambs, was about 395 in 1910, as compared with about 477 in 1900.

Of all farms, 35.8 per cent report swine, the average number being about 24 per farm reporting. Only 18.3 per cent of all farms report spring pigs, owing doubtless to the early date of enumeration. The average value of the swine reported under the head of "hogs and pigs born before January 1, 1910," is \$9.

Poultry on farms: 1910 and 1900.—The following table gives the numbers of the various kinds of poultry reported in 1910 and 1900, together with their value, and the number of farms reporting each kind in 1910:

KIND.		1910 (April 15)							
	Farms re	porting.							
	Number.	Per cent of all farms.	Number of fowls.	Value.	Number of fowls.				
Total Chickens. Turkeys. Ducks Gesse. Guinea fowls. Pigeons. Ostriches. All other 4	66, 251 68, 055 11, 927 3, 606 2, 567 760 2, 152 10 39	75. 1 74. 9 13. 5 4. 1 2. 9 0. 9 2. 4 (8) (8)	6, 087, 267 5, 665, 964 116, 602 40, 061 14, 195 2, 920 246, 065 1, 082 378	\$3,844,526 3,237,049 258,033 28,325 18,609 1,903 60,254 229,340 1,923	4, 196, 466 3, 947, 200 158, 350 62, 293 28, 419 (1) (2) 198				

¹ Included with chickens.

The number of fowls on California farms increased from 4,196,000 in 1900 to 6,087,000 in 1910, or $45.1~\mathrm{per}$ cent during the last decade, while the value shows an increase from \$1,902,000 to \$3,845,000, or 102.1 per cent. The increase in the number of fowls was confined almost entirely to chickens, a decrease being reported in 1910 for each of the other classes for which there are comparable figures, except ostriches. Pigeons, an important class in 1910, were not reported in 1900. The number of farms reporting poultry increased from 55,479 to 66,251, or 19.4 per cent, and the average number of fowls per farm reporting increased from 76 to 92. The value of poultry and the number of farms reporting were obtained in 1900 for the total of all fowls only, and not for each kind as in 1910.

Bees on farms: 1910 and 1900.—The number of farms reporting bees has decreased from 6,915 in 1900 to 6,870 in 1910, or 0.7 per cent. The number of colonies of bees increased from 129,444 to 201,023, or 55.3 per cent, and their value increased from \$363,885 to \$729,793, or 100.6 per cent. The average value of bees per farm reporting was \$52.62 in 1900 and \$106.23 in 1910. About eight farms in every hundred report bees.

Domestic animals not on farms: 1910.-Most of the domestic animals not on farms are found in cities. towns, and villages. Statistics for such animals are shown below. No provision was made by law to secure data pertaining to poultry and bees not on farms. In the table below age groups are omitted for the sake of brevity.

•	Number of inclo-		ANIMALS.					
KIND.	sures reporting.	Number.	Value.	A verage value,				
Total All cattle Dairy cows Horses Mules, Asses and burros Swine Sheep Goats.	21, 323 20, 497 45, 708	46, 176 29, 962 132, 521 10, 612 1, 057 12, 168 64, 631 7, 113	\$18, 797, 015 1, 604, 717 1, 321, 897 15, 142, 841 1, 638, 381 45, 114 100, 761 232, 572 32, 629	\$34, 75 44, 12 114, 27 154, 39 42, 68 8, 28 3, 60 4, 59				

As would be expected, horses are by far the most important class of domestic animals not on farms both in number and value; sheep rank second in importance in point of number, while mules rank second in value.

Domestic animals on farms and not on farms: 1910.— The following table gives the total number and value of domestic animals, distinguishing those on farms from those not on farms:

	DOMESTIC ANIMALS.											
KIND.	KIND.		On	farms.	Not on farms.							
	Num- ber.	Value.	Num- ber.	Value.	Num- ber.	Value.						
Total	2, 123, 201 497, 294 601, 407 80, 373 3, 649 778, 719	19, 919, 225 62, 242, 037 10, 654, 825 392, 429 5, 207, 564 8, 581, 569	2,077,025 467,332 468,886 69,761 2,592 766,551 2,417,477	18, 597, 328 47, 099, 196 9, 016, 444 347, 315 5, 106, 803 8, 348, 997	46, 176 29, 962 132, 521 10, 612 1, 057 12, 168 64, 631	1, 321, 897 15, 142, 841 1, 638, 381 45, 114 100, 761 232, 572						

The total value of all domestic animals in the state in 1910 was \$141,822,000, of which the value of animals not on farms constituted 13.3 per cent.

Included with chickens.
 Not reported.
 Less than one-tenth of 1 per cent.
 Thirty-one farms report 288 peafowls, valued at \$1,431; 7 farms report 87 pheasants, valued at \$342; 1 farm reports 3 India jungle fowls, valued at \$150.

LIVE STOCK PRODUCTS.

The returns for live stock products obtained at the census of 1910, like those for crops, relate to the activities of the calendar year 1909. It is impossible to give a total representing the annual production of live stock products for the reason that, as shown elsewhere, the total value of products from the business of raising domestic animals for use, sale, or slaughter can not be calculated from the census returns. Even if this value could be ascertained and were added to the value of the crops the sum would not correctly represent the total value of farm products, because, as already more fully explained, duplication would result from the fact that part of the crops are fed to the live stock.

Dairy products 1909 and 1899.—The following table shows the principal statistics relative to dairy products in 1909, with certain comparative statistics for 1899:

	FAR REPOR				VALUE	
	Num- ber.	Per cent of all farms.	Number or quantity.	Unit.	Total.	Aver- age per unit.
Dairy cows on farms April 15, 1910 On farms reporting dairy products in	61, 101	69. 3	467,332	Head		
1909 On farms reporting	46, 376	52.6	408, 812	Head		
milk produced in 1909 Specified dairy prod-	42, 112	47.7	315, 385	Head	 	
ucts, 1909: Milk reported Butter made Cheese made	31,345 480	35.5 0.5	154, 901, 956 15, 301, 871 2, 777, 873	Gals Lbs Lbs	\$4,085,992 383,494	\$0.27 0.14
Milk sold	5,906 3,133 5,505 12,911 188	6.7 3.6 6.2 14.6 0.2	45, 333, 432 3, 397, 061 19, 176, 719 10, 285, 583 2, 513, 815	Gals Gals Lbs Lbs Lbs	7,346,176 2,861,921 5,766,394 2,763,392 345,414	0.16 0.84 0.30 0.27 0.14
Total receipts from sales, 1909	• • • • • • • • • • • • • • • • • • • •				19, 083, 297	
fat sold and butter and cheese made, 1909					20, 443, 977	·····
Specified dairy prod- ucts, 1899: Butter made	420	44. 2 0. 6	20, 853, 360 4, 249, 588 15, 236, 667 3, 989, 893	Lbs Lbs Lbs	2, 903, 714 364, 456	0.19

The number of farms reporting dairy cows on April 15, 1910, was 61,101, but only 46,376 reported dairy products in 1909. That there should be this difference is not surprising. Doubtless some farmers who had dairy cows in 1910 had none in 1909, while other farmers neglected to give information for the preceding year, or were unable to do so, perhaps because the farm was then in other hands. Dairy products in general are somewhat less accurately reported than the principal crops. This is particularly the case as regards the quantity of milk produced. The number of farms which made any report of milk

produced during 1909 was 42,112 (somewhat less than the total number reporting dairy products), and the number of dairy cows on such farms on April 15, 1910, was 315,000. The amount of milk reported was 154,902,000 gallons; assuming that there were the same number of cows in 1909 as in 1910, this would represent an average of 491 gallons per cow. In considering this average, however, it should be borne in mind that the quantity of milk reported is probably deficient and that the distinction between dairy and other cows is not always strictly observed in the census returns.

By reason of the incompleteness of the returns for milk produced, the Census Bureau has made no attempt to determine the total value of dairy products for 1909. For convenience a partial total has been presented comprising the reported value of milk, cream, and butter fat sold and the reported value of butter and cheese made, whether for home consumption or for sale. The total thus obtained for 1909 is \$20,444,000, which may be defined as the total value of dairy products exclusive of milk and cream used on the farm producing.

Less than one-third of the milk reported as produced by California farmers in 1909 was sold as such. Large quantities of milk and cream were sold on the butter fat basis. The butter made on farms in 1909 was valued at \$4,086,000.

Comparisons are made between 1909 and 1899 for but few of the census items relating to dairy products, for the reason that in 1899 estimates were made for farms with incomplete reports, which was not done at the census of 1910. The figures for milk produced and milk sold are particularly affected, but those for butter and cheese are approximately comparable. The table shows a material decrease between 1899 and 1909 in the amount of butter made, and a still greater relative decrease in the production of cheese.

Wool: 1909 and 1899.—The next table gives statistics as to the production of wool on farms, the figures being partly based on estimates.

¹ Farmers should be able in general to report the production of wool more accurately than that of dairy products. There were, however, 1,434 farmers who reported the possession of 214,485 sheep of shearing age on April 15, 1910, without reporting any wool produced in 1909. Probably in a large proportion of cases this failure was due to the fact that they did not have these sheep, or did not occupy the same farm, during the preceding year. The returns of farms reporting wool in 1909 but no sheep of shearing age on April 15, 1910, would partially make up this deficiency, but it is believed that in many cases enumerators, having found that a farm had no sheep in 1910, omitted the inquiry as to wool produced in 1909 and thus missed more or less wool actually produced. It is a fairly safe assumption that the entire production of wool in 1909 bore the same relation to the entire number of sheep of shearing age on April 15, 1910, as the production of wool on those farms reporting both production and sheep bore to the number of sheep reported on such farms. Statistics for this group of farms are given in the table, and the total wool product, estimated on the basis of the above assumption, is also given.

	Num- ber of	of Sheep of	wo	OOL PRODUCE	D.
* .	farms report- ing.	shearing age.	Fleeces (number).	Weight (pounds).	Value.
Sheep of shearing age on farms April 15, 1910 Wool produced, as reported, 1909 On farms reporting sheep April 15, 1910 On other farms Total production of wool (partly esti-	3,546 2,236 2,112 124	1,525,288	2,275,389 2,202,421 72,968	12, 516, 274 12, 086, 934 429, 340	\$2,145,107 2,083,092 62,015
mated); 1909 1899 Increase, 1899 to 1909			2,562,800 2,882,305 -319,505	14,064,703 13,680,495 384,208	2,423,946 1,707,088 716,858
Per cent of in- crease 1			-11.1	2.8	42.0

¹ A minus sign (-) denotes decrease.

The total number of sheep of shearing age in California on April 15, 1910, was 1,525,000, representing a decrease of 11.6 per cent as compared with the number on June 1, 1900 (1,725,000). The approximate production of wool during 1909 was 2,563,000 fleeces, weighing 14,065,000 pounds and valued at \$2,424,000. Of these totals about 11 per cent represents estimates. The number of fleeces produced in 1909 was 11.1 per cent less than in 1899. The average weight per fleece in 1909 was 5.5 pounds, as compared with 4.7 pounds in 1899, and the average value per pound was 17 cents, as compared with 12 cents in 1899.

Goat hair and mohair: 1909 and 1899.—Although 1,714 farmers reported 138,413 goats and kids on their farms April 15, 1910, only 367 reported the production of goat hair or mohair during 1909. These farmers reported 102,134 fleeces, weighing 282,596 pounds and valued at \$60,821. The production showed a considerable increase between 1899 and 1909. Many farmers who have goats do not produce goat hair or mohair, but it is believed that the report is somewhat short of the actual production.

Poultry products: 1909 and 1899.—The total number of fowls on California farms on April 15, 1910, was 6,087,000. Of the 66,251 farms reporting fowls, 14,180 did not report any eggs produced in 1909, and 18,136 did not report any poultry raised in 1909. The production of eggs actually reported for the year 1909 was 35,908,000 dozens, valued at \$8,983,000. According to the Twelfth Census reports the production of eggs in 1899 was 24,444,000 dozens, the value being \$3,865,000. The latter figures, however, are somewhat in excess of the actual returns at

that census, because tney include estimates made to cover those cases where the schedule reported fowls on hand without reporting the production of eggs. In order to make the returns for 1909 comparable with those published for 1899 similar estimates have been made, the method of estimate and the justification therefor being substantially the same as in the case of wool. The total production of eggs in 1909, including these estimates, was 41,022,000 dozens, valued at \$10,263,000. The total production of poultry in 1909, including estimates made on the same basis as for eggs, was 8,431,000 fowls, valued at \$4,421,000.

The statement below gives data relative to the production and sale of eggs and poultry:

	Number of farms	Number of fowls on	PROD	UCT.
	report- ing.	hand.	Quantity.	Value,
Fowls on farms April 15, 1910	66, 251	6,087,267		
On farms reporting eggs pro- duced in 1909 On other farms	52,071 14,180	5,380,858 706,409		
Eggs produced, as reported, 1909 Total production of eggs (partly estimated):	52, 677		Dozens. 35, 907, 973	\$8,983,204
1909		,	41,022,395 24,443,540 16,578,855 67.8	10, 262, 694 3, 864, 679 6, 398, 015 165, 6
Eggs sold, as reported, 1909			26,867,687	6,717,426
Fowls on farms April 15, 1910: On farms reporting poultry raised in 1909. On other farms	48, 115 18, 136	5, 123, 648 963, 619		
Poultry raised, as reported, 1909 Total poultry raised (partly esti- mated):	49,170		No. of fowls. 7,096,339	3,720,74 4
1899 1899 Increase, 1899 to 1909 Per cent of increase			8,430,968	4,420,515 2,492,067 1,928,448 77.4
Fowls sold, as reported, 1909	27,492		3,678,208	2,018,856

Honey and wax: 1909.—Although, as noted elsewhere, 6,870 farms reported 201,023 colonies of bees on hand April 15, 1910, 2,782 of these farms, with 21,397 colonies on hand April 15, 1910, made no report of honey or wax produced in 1909. The actual returns show the production of 10,264,715 pounds of honey, valued at \$631,529, and 126,445 pounds of wax, valued at \$33,838; the true totals are doubtless somewhat above these figures.

Sale or slaughter of domestic animals on farms: 1909 and 1899.—The next statement presents statistics relating to the sale or slaughter of domestic animals by California farmers during the year 1909, with certain items for 1899.

	FARMS F		Number	VALUI	E.
	Number.	Percent of all farms.	of animals.	Total.	Aver- age.
1909—All domestic animals: Sold Slaughtered Sold Sold Slaughtered Other cattle: Sold Slaughtered Horses sold Mules sold Asses and burros sold Swine: Sold Sold Slaughtered Slaughtered Sold Slaughtered Sold Slaughtered Sold	16, 882 4, 767 19, 775 4, 054 7, 955 1, 627 62 13, 605 15, 337 1, 713 919 274 335	19. 1 5. 4 22. 4 4. 6 9. 0 1. 8 0. 1 15. 4 17. 4 1. 9 1. 0	147, 467 50, 538 548, 920 36, 319 22, 989 8, 916 478, 678 82, 270 815, 960 35, 915 19, 751 4, 001	\$31, 130, 113 2, 497, 007 1, 012, 253 328, 033 17, 577, 236 961, 211 3, 376, 965 1, 201, 849 20, 676 4, 861, 520 1, 053, 424 3, 024, 931 142, 672 54, 683 11, 667	\$6. 86 6. 49 32. 02 26. 47 116. 49 134. 80 124. 55 10. 16 12. 80 3. 71 3. 97 2. 77 2. 92
1899—All domestic animals: Sold 1				13,305,165 2,440,820	

¹ Schedules called for receipts from sales of animals raised on the farms reporting.

The total value of domestic animals sold during 1909 was \$31,130,000 and that of animals slaughtered

on farms \$2,497,000, making an aggregate of \$33,627,000. This total, however, involves considerable duplication, resulting from the resale or slaughter of animals which had been purchased by the farmers during the same year. More than one-half of this aggregate represents cattle (excluding calves) sold.

The value of the cattle (including calves) sold during 1909 represented somewhat less than three-fifths of the total value of all animals sold, and the value of the swine sold represented less than one-sixth of the total.

The census of 1900 called for the receipts from the sale of all domestic animals raised on the farms reporting and the value of those slaughtered during the year 1899, which amounted, respectively, to \$13,305,000 and \$2,450,000. The item of sales is not closely comparable with that for 1909, when the inquiry covered all sales whether of animals raised on the farms reporting or elsewhere. It is believed, however, that in many cases the returns for 1899 also included receipts from sales of animals not actually raised on the farms reporting.

CROPS.

Summary: 1909 and 1899.—The following table summarizes the census data relative to all of the farm crops of 1909 and 1899. It includes not only general farm crops, but also flowers and plants, nursery products, and forest products of farms. In comparing one year with the other it should be borne in mind that acreage is on the whole a better index of the

general changes or tendencies of agriculture than either the quantity or the value of the crops; since variations in quantity may be due largely to temporarily favorable or unfavorable climatic conditions, and variations in the value of the crops are largely affected by changes in prices. (See also discussion of "Total value of farm products.")

		ACRE	23.		PER (VALUE	OF PRODUCT	9.																																
			Increase	3.1	IMPROVED LAND OCCUPIED.		IMPROVED LAND		IMPROVED LAND		LAND		LAND		LAND		LAND		IMPROVED LAND		IMPROVED LAND		IMPROVED LAND		LAND		LAND		LAND		IMPROVED LAND		IMPROVED LAND		IMPROVED LAND		4000	1000	Increas	e.1	Per cent of total.	
	1909	1899	Amount.	Per cent.	1909	1899	1909	1899	Amount.	Per cent.	1909	1899																														
All crops							\$153, 111, 013	\$95,365,712	\$57,745,301	60.6	100.0	100.0																														
Crops with acreage reports Cereals. Other grains and seeds Hay and forage Tobacco. Cotton (including cotton seed). Hemp Hops Broom corn. Sugar crops. Sundry minor crops. Potatoes and sweet potatoes and yams. Other vegstables. Flowers and plants and nursery products. Small fruits	324 300 8,391 1,023 79,604 7 72,799 79,163	6, 434, 434 4, 004, 254 49, 219 2, 229, 601 1, 669 41, 382 4, 919 42, 705 32, 401 3, 586 6, 281	-1,509,701 -2,033,762 114,557 293,740 -23 324 -200 1,501 -646 38,222 -4,912 29,094 46,762 2,230 3,406	-23.5 -50.8 232.7 13.1 (2) -40.0 21.8 -38.7 92.4 -99.9 66.6 144.3	43. 2 17. 3 1. 4 22. 2 (8) (6) (5) 0. 7 (3) 0. 6 0. 7	53.8 33.5 0.4 18.7 (8) 0.1 (8) 0.3 (3) 0.4 0.3	100, 409, 039 28, 039, 826 6, 517, 453 42, 187, 215 12, 76 39, 000 1, 731, 110 32, 509 4, 335, 358 8, 400 5, 235, 073 6, 886, 885 3, 601, 301 1, 789, 214	84, 583, 063 83, 674, 733 1, 116, 678 10, 435, 398 4, 352 45, 000 925, 319 40, 500 1, 554, 134 103, 585 2, 778, 140 2, 858, 832 1, 138, 975 911, 411	35, 825, 976 -5, 634, 907 -5, 400, 775 -22, 750, 817 -3, 873 -12, 776 -6, 000 805, 791 -7, 997 -7, 997 -7, 92, 24 -102, 745 -402, 325 -402, 326 -877, 803	55.8 -16.7 483.6 117.1 -89.0 -13.8 87.1 -19.7 179.0 -99.2 88.8 140.9 216.2 96.3	65.6 18.3 4.3 27.6 (3) (8) 1.1 (3) 2.8 (8) 8.4 4.5 2.4 1.2	67.7 35.3 1.2 20.4 (3) 1.0 (5) 1.6 0.1 2.9 3.0 1.2																														
Crops with no acreage reports							52,701,974 800,758 48,917,655 2,949,732 33,829	30, 782, 649 191, 293 4 28, 809, 830 1, 724, 378 57, 148	21,919,325 609,465 20,107,825 1,225,354 —23,319	71.2 318.6 69.8 71.1 -40.8	34.4 0.5 31.9 1.9 (3)	32.3 0.2 30.2 1.8 0.1																														

¹ A minus sign (—) denotes decrease. ² Per cent not calculated when base is less than 100.

I.ess than one-tenth of I per cent.
 Includes value of raisins and other dried fruits, wine, eider, vinegar, etc.

The total value of crops in 1909 was \$153,111,000. Of this amount, 65.6 per cent was contributed by crops for which the acreage as well as the value was reported, the remainder consisting of the value of by-products (straw, garden, and grass seeds, etc.) derived from the same land as other crops reported, or of orchard fruits, nuts, forest products, and the like. The combined acreage of crops for which acreage was reported was 4,924,733, representing 43.2 per cent of the total improved land in farms (11,389,894 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 for which was not reported.

The general character of California agriculture is indicated by the fact that somewhat less than one-fifth (18.3 per cent) of the total value of crops in 1909 was contributed by the cereals, somewhat less than one-third (31.9 per cent) by fruits and nuts, and more than one-fourth (27.6 per cent) by hay and forage. The remainder, representing 22.2 per cent of the total, consisted mostly of potatoes and other vegetables, grains and seeds, other than cereals, sugar crops, and flowers and plants and nursery products.

The total value of crops in 1909 was 60.6 per cent greater than in 1899, this increase being no doubt due in part to higher prices. There was a decrease of 23.5 per cent in the total acreage of crops for which acreage was reported, the greatest decrease amounting to more than two millions of acres being reported for cereals, while all the other important crops showed increases in acreage, the greatest absolute increase being that in the acreage of hay and forage.

General farm crops, minor grains and seeds, and sundry minor crops: 1879 to 1909.—The leading crops covered by the table, in the order of their importance as judged by value, are hay and forage, \$42,187,000; barley, \$17,185,000; wheat, \$6,324,000; dry edible beans, \$6,295,000; and potatoes, \$4,879,000. It should be noted, however, that some of the crops reported in other tables are more important than wheat, dry edible beans, or potatoes.

The combined acreage of the cereals is hardly four-fifths that of hay and forage, while the value of the crop is only about two-thirds as great. Barley is the leading cereal, both its acreage and value being about three-fifths those of all cereals combined. Wheat ranks second, with an acreage approximately one-fourth that of all cereals combined, while the value of the crop is more than one-fifth as great. Oats, corn, and kafir corn and mile maize rank in the order named in both acreage and value.

Of the hay and forage crops, by far the most important is "grains cut green." The acreage of this

crop represents considerably more than three-fifths of the total acreage in hay and forage, and the value is about one-half that of the entire hay and forage crop. Of the remaining crops, "alfalfa," "wild, salt, or prairie grasses," and "other tame or cultivated grasses" are the most prominent, both in acreage and in value.

Dry edible beans, potatoes, and hops are among the principal crops, when value is considered. Dry edible beans have an acreage more than one-eighth as great as barley, the leading cereal, and a value more than one-third as great. Potatoes, with an acreage but little more than one-twentieth as great as that of barley, show a value considerably more than one-fourth as great. Hops, with a very small acreage, show a value over one-tenth that of barley.

The following table presents statistics for 1909 regarding cereals, other grains and seeds, hay and forage, potatoes, tobacco, cotton, hemp, hops, broom corn, and sundry minor crops:

	Farms	Acres	QUANTII	Y.	
CROP.	report- ing.	harvested.	Amount.	Unit,	Value.
Cereals, total	5,728 2,477 4,678 3,739 964 7 19 7,597 20 193 2,521	1,970,492 51,935 192,158 478,217 426,405 51,352 460 840 1,195,158 849 7,027 44,308	39, 105, 917 1, 273, 901 4, 143, 688 6, 203, 206 5, 340, 574 857, 543 19, 755 26, 441, 954 14, 681 70, 683 938, 049	Bu	2,637,047 6,323,983 5,483,204 835,002 5,777 13,758 17,184,508 11,569 65,846
Other grains and seeds with acreage report, total Dry edible beans. Horse beans. Dry peas. Peanuts. Flaxseed Mustard seed. Sorghum cane seed. Sunflower seed. Seeds with no acreage report, total. Timothy seed. Clover seed. Alfalfa seed Other tame grass seed. Flower and garden seeds.	3,054 67 262 42 8 60 14 21 4 10 347 5	163,776 157,987 150 2,969 240 1,964 103 257	3,467,885 3,328,218 5,534 57,468 2,991 1,882 63,365 1,147 6,855 357 310 23,791 1,077	Bu	6,295,457 5,659 101,016 2,889 3,224 100,731 1,997 6,264 800,758 1,065 2,823 200,823
Hay and forage, total Timothy alone Timothy and clover mixed Clover alone. Alfalfa Millet or Hungarian grass Other tame or cultivated grasses. Wild,salt,or prairie grasses Grains out green. Coarse forage. Root forage. Potatoes. Sweet potatoes and yams. Tobacco Cotton Cotton seed (estimated) Hemp Hops Broom corn Sundry minor crops, total 3.	370 958 703 19,904 1011 2,274 3,679 39,397 2,175 1,021 12,533 1,133 12 18	2,533,347 13,725 46,661 8,519 484,134 2,142 90,414 253,127 1,604,745 25,808 4,012 67,688 5,111 44 324 300 8,391 1,023	4, 327, 130 20, 001 73, 183 20, 380 1, 639, 707 2, 688 119, 415 281, 033 2, 019, 526 60, 611 90, 580 9, 824, 005 572, 814 4, 502 183 90 22 600, 000 11, 994, 953 614, 250	Tons. Lbs. Bales Tons. Lbs. Lbs. Lbs.	185, 579 029, 575 213, 289 13, 088, 530 27, 483 1, 253, 428 2, 028, 494 24, 056, 727 438, 095 266, 015 4, 879, 449 355, 624 11, 744 1, 032 39, 000 1, 731, 110

¹ Includes small amount of broom corn seed.
 ² The entireacreage from which these seeds were secured is believed to be included in the acreage given elsewhere for hay and forage crops, flowers and plants, etc.
 ³ Includes small amounts of chicory and willows.

The fluctuations in the acreages of some of the principal crops during the past 30 years are shown in the next table.

	ACRES HARVESTED.									
CROP YEAR.	Corn.	Oats.	Wheat.	Barley.	Hay and forage.	Potatoes.				
1909	51,935 53,980 70,303 71,781	192,158 153,734 57,569 49,947	478, 217 2, 683, 405 2, 840, 807 1, 832, 429	1,195,158 1,029,647 815,995 586,350	2,533,347 2,239,601 1,431,574 758,024	67,688 42,098 38,178 (1)				

1 Not reported.

Barley and oats each show a steady gain in acreage throughout the 30-year period, that of barley being over twice as great in 1909 as in 1879, and that of oats nearly four times as great. The acreage of corn shows a somewhat slow yet continuous decline for the 30 years. Wheat had a much greater acreage in 1889 than in 1879, was but slightly less in 1899, but in 1909 had an acreage less than 18 per cent that of 1899. In the acreage of hay and forage, on the contrary, a marked increase throughout the period is recorded, the largest increase occurring during these cond decade. The aggregate increase for the 30-year period is 1,775,323 acres. The acreage of potatoes was not reported for 1879, but shows a considerable increase during the last 20 years.

The following table shows for 1909 and 1899 the percentage which the farms reporting specified crops represented of all farms, the percentage of improved land devoted to these crops, and the percentage of increase or decrease in the acreage of each crop during the decade, together with the average yields and average values per acre for 1909:

CROP.	PER CE FAR REPOF	MS	PER CE	OVED	Per cent of increase in acres,	AVERAGE YIELD PER ACRE.	AVERAGE VALUE PERACRE.	
	1909	1899	1909	1899	1899 to 1909.1	1909	1909	
Corn Oats Wheat Barley Hay and forage Potatoes	6. 5 2. 8 5. 3 8. 6 61. 0 14. 2	7.4 5.3 17.4 14.2 68.1 13.5	0.5 1.7 4.2 10.5 22.2 0.6	0.5 1.3 22.4 8.6 18.7 0.4	-3.7 25.0 -82.2 16.1 13.1 60.8	24.5 Bu. 21.6 Bu. 13.0 Bu. 22.1 Bu. 1.71 Tons. 145.1 Bu.	\$20. 75 13. 72 13. 22 14. 38 16. 65 72. 09	

¹ A minus sign (—) denotes decrease.

Of every 100 farms in California, 61 raised hay and forage in 1909; 14, potatoes; 9, barley; 7, corn; 5, wheat; and 3, oats. Except in the case of potatoes, these percentages are smaller than those for 1899.

The six crops included in the above table cover only about 40 per cent of the total improved land of the state, as compared with about 52 per cent in 1899. This large proportionate decrease is due entirely to the immense decrease in the acreage of wheat. Of the other crops, oats, barley, hay and forage, and potatoes show increases in the proportion of improved land occupied, while corn occupies the same proportion of improved land as in 1899.

The average value per acre of the combined cereals in 1909 was \$14.23, the average value of corn and barley exceeding this average, and that of oats and wheat falling below it. The average value per acre of hay and forage is slightly above that of all cereals combined, while that of potatoes is over five times as great. From 1899 to 1909 a decrease of 2,033,762 acres, or 50.8 per cent, was reported in the combined acreage of the cereals, and an increase of 293,746 acres, or 13.1 per cent, in the acreage of hay and forage.

Of the different counties of the state, more than onehalf show increases in the acreage of hay and forage. With three exceptions, all the counties reporting decreases in such acreage are located in the northern half of the state. The largest absolute increase is found in San Joaquin County and the largest absolute decrease in Los Angeles County. Although an increase in the acreage of barley is reported for the state as a whole, more than one-half of the counties show decreases. As in the case of hay and forage the decreases are found principally in the northern half of the state. The greatest absolute increase is reported from Riverside County, and the greatest absolute decrease from Santa Clara County. More than onetenth of the total acreage of the state is reported from San Joaquin County.

In the acreage of wheat only five counties show increases. Two of these, Alpine and Mono, are located near the middle of the eastern boundary line; two, Modoc and Lassen, are in the extreme northeast corner; and the remaining one, Ventura, is on the southwest coast, northwest of Los Angeles. The greatest decrease in the acreage of wheat reported for any county was 272,116 acres for Stanislaus County. Slightly more than one-half of the total acreage of dry edible beans is reported from Santa Barbara and Ventura Counties on the southwest coast. All the counties reporting increases in the acreage of oats belong to one of four distinct groups, the first consisting of four counties, Modoc, Lassen, Trinity, and Shasta, in the northern part of the state; the second, of two counties. Glenn and Sutter, just north of the center; the third, of ten counties in the central and east central parts of the state; and the fourth, of six counties in the extreme southern part of the state. The largest absolute increase is recorded for Stanislaus County, and the largest absolute decrease for Sonoma County. Hops are reported from less than one-third of the counties, and two of these, Sonoma and Mendocino, situated on the northwest coast, together report more than one-half of the total acreage. Nearly one-fifth of the corn acreage is reported from Los Angeles County, about one-half of the potato acreage from Contra Costa and San Joaquin Counties, and about one-fourth of the acreage of kafir corn and milo maize is reported from Tulare County.

Vegetables, flowers and plants, and nursery products: 1909 and 1899.—The table which follows shows details with regard to vegetables (not including potatoes and sweet potatoes and yams, which appear elsewhere), and also with regard to flowers and plants and nursery products:

	FAF REPOR 19		ACR	ES.	VALUE OF PRODUCTS.			
CROP.	Num- ber.	Per cent of all farms.	1909	1899	1909	1899		
Vegetables, other than potatoes and sweet potatoes and yams, total	133,755	38.3	79,163	32,401	\$6,886,885	\$2,858,832		
Farms reporting a prod- uct of \$500 or over All other farms	2,075 31,680	2. 4 35. 9	53,369 25,794		4,836,001 2,050,884			
Flowers and plants, total Farms reporting a prod-	442	0.5	1,013	672	1,388,513	580,646		
uct of \$250 or over All other farms	347 95	0.4 0.1			1,373,577 14,936			
Nursery products, total Farms reporting a prod-	566	0.6	4,803	2,914	2,212,788	558,329		
uct of \$250 or over All other farms	296 270	0.3 0.3			2, 134, 713 78, 075			

 $^{^{\}rm 1}$ Does not include 9,393 farms which reported that they had vegetable gardens, but gave no information as to their products.

In 1909 the total acreage of potatoes and other vegetables was 151,962 and their value \$12,121,958. Excluding (so far as reported separately 1) potatoes and sweet potatoes and yams, the acreage of vegetables was 79,163 and their value \$6,887,000, both acreage and value being more than twice as great as in 1899. The table distinguishes between farms which make the raising of vegetables a business of some importance (having produced vegetables valued at \$500 or more in 1909) and other farms, on most of which vegetables are raised mainly for home consumption. There were in 1909, 2,075 farms in the first class, representing about two-thirds of the total acreage of vegetables and more than two-thirds of the total value, the average acreage of vegetables per farm for these farms being 25.7 and the average value of products per acre \$90.61.

The raising of flowers and plants and of nursery products is also of considerable importance in California, 5,816 acres being devoted to them in 1909, and the output being valued at \$3,601,301. Most of the product was raised on farms where these branches of agriculture were carried on as an important business.

Small fruits: 1909 and 1899.—Strawberries are by far the most important of the small fruits raised in California, with raspberries and loganberries, and blackberries and dewberries ranking second and third, respectively. The total acreage of small fruits in 1909

was 9,687 and in 1899, 6,281, an increase of 54.2 per cent. The production in 1909 was 26,824,000 quarts, as compared with 14,582,000 quarts in 1899, and the value was \$1,789,000 in 1909, as compared with \$911,000 in 1899.

The following table shows data with regard to small fruits on farms:

	Number of farms	ACI	RES.	Quantity	77.1.2
CROP.	report- ing, 1909	1909	1899	(quarts), 1909	Value, 1909
Small fruits, total	2, 282 3, 190 2, 524 364 343 12 1	9,687 4,585 2,576 1,992 407 74 53	6,281 2,418 1,960 987 724 133	26, 824, 120 15, 694, 326 4, 898, 524 5, 222, 117 852, 378 145, 119 10, 656 1, 000	\$1,789,214 1,149,475 282,383 304,169 43,508 9,086 443 150

1 Less than 1 acre.

Orchard fruits, grapes, nuts, and tropical fruits: 1909 and 1899.—The next table presents data with regard to orchard fruits, grapes, nuts, and tropical fruits. The acreage devoted to these products was not ascertained. In comparing one year with the other the number of trees or vines of bearing age is on the whole a better index of the general changes or tendencies than the quantity of product, but the data for the censuses of 1910 and 1900 are not closely comparable, and the product is therefore compared, although variations may be due largely to temporarily favorable or unfavorable climatic conditions.

The total quantity of orchard fruits produced in 1909 was 31,502,000 bushels, valued at \$18,359,000. Plums and prunes, peaches and nectarines, apples, and apricots are the most important of the orchard fruits. The total value of the tropical fruits produced in 1909 was \$16,752,000, the value of oranges representing more than three-fourths of the total, and the value of lemons being next in importance. The production of grapes in 1909 amounted to 1,979,687,000 pounds valued at \$10,847,000, and the production of nuts was 28,378,000 pounds, valued at \$2,960,000. Most of the nuts were Persian or English walnuts and almonds.

The value of all orchard fruits produced in California increased from \$14,527,000 in 1899 to \$18,359,000 in 1909; the value of tropical fruits increased from \$7,219,000 in 1899 to \$16,752,000 in 1909, and that of grapes from \$5,623,000 in 1899 to \$10,847,000 in 1909. It should be noted that the values for 1899 include the value of more advanced products derived from orchard and tropical fruits or grapes, such as eider, vinegar, dried fruits, and the like, and may therefore involve some duplication, while the values shown for 1909 relate only to products in their original condition.

¹ It is probable that some of the potatoes and sweet potatoes and yams raised in farm gardens were not reported separately by farmers, but were included in their returns for vegetables.

	BEAR	PR VINES OF ING AGE, 1919	OF BEA	VINES NOT RING AGE, 1910	PRODUCT			
CROP.	Farms		Farms	3.7	1909		1899	
	reporting.	Number.	reporting.	Number.	Quantity.	Value.	Quantity.	
Orohard fruits, total Apples. Peaches and nectarines Pears. Plums and prunes Cherries. Apricots. Quinces. Mulberries. Unclassified.	19,671 21,637 15,073 18,105 9,177 15,181 4,236	22,485,195 2,482,762 7,829,011 1,410,905 7,168,705 522,304 2,992,453 76,979 2,076	12,716 15,231 8,532 9,795 6,217 9,075 2,984 57	8,410,062 1,054,107 4,409,562 398,093 1,599,939 300,063 581,524 65,471 1,303	1 31,501,507 6,335,073 9,267,118 1,928,097 9,317,979 501,013 4,066,823 32,638 52,766	\$18,358,897 2,901,062 4,573,775 1,600,963 5,473,539 951,624 2,768,921 26,266 2,147	1 22, 690, 696 3, 488, 208 8, 563, 427 1, 912, 825 5, 632, 036 318, 960 2, 547, 064 (2) (2) 3 228, 176	
Grapes	17,793	144,097,670	10, 162	39,526,319	4 1,979,686,525	10,846,812	4 721, 433, 400	
Nuts, total. Persian or English wainuts. Almonds. Pecans. Black walnuts. Franquette. Chestruts. Unclassified.	7,357 0,319 217 242 4	5 2,034,302 853,237 1,166,730 4,226 6,582 408 1,763	0,554 3,680 294 122 4 117	5 931, 933 546, 804 365, 961 2, 793 7, 905 617 2, 948	4,6 28, 378, 116 21, 432, 266 6, 692, 513 44, 955 150, 374 4, 550 37, 153	5 2,959,845 2,247,193 700,304 4,632 2,562 910 3,474	4 17, 775, 505 10, 619, 975 6, 992, 610 1, 220 (2) (2) (2) 8 161, 700	
Tropical fruits, total Lemons Japanese persimmons Oranges Pomeloes (grapefruit) Figs Olives Dates Guayas Mandarins, Tangerines Loquats Unclassified	4,820 169 10,975 120 932 7,846 3,074 8 125 5 37	4 8,726,005 941,293 3,274 6,615,505 43,424 269,001 836,347 325 7,031 3,637 3,711	3,629 142 8,099 96 744 5,612 2,018 30 30 34 2 10	6 2,887,670 379,676 8,801 2,083,410 25,589 214,527 121,659 19,552 443 34 1,011	7 2,756,221 1 2,996 7 14,436,180 4 30,075 7 122,515 4 22,990,353 4 16,132,412 4 3,332 4 05,053 7 555 7 3,581 7 4,516	**16, 752, 101 2, 976, 571 3, 344 12, 951, 505 968 143, 180 260, 153 401, 277 418 4, 018 607 4, 188 5, 830	7 874, 305 1 1,188 7 5,882, 193 (2) 7 17,851 4 10,620,366 6 5,040,227 (2) (31,370 (8) (8) (8)	

³ Consists of products not separately named by the enumerator, but grouped under the designation "all other."

The following table shows the quantities of the more advanced products manufactured by farmers from orchard and tropical fruits and grapes. Values were not called for on the schedule.

PRODUCT.	REPO	RMS RTING, 909	QUANTITY PRODUCED.				
raoboti.	Num- ber.	Per cent of all farms.	Unit.	1909	1899		
Cider	481 973 2,163 78 4,551 8,373	0, 5 1, 1 2, 5 0, 1 5, 2 9, 5	Gals Gals Gals Gals Lbs Lbs	118, 456 244, 683 16, 005, 519 95, 955 169, 210, 679 189, 495, 705	75, 443 199, 678 5, 492, 216 } 117, 935, 727		

Forest products: 1909 and 1899.—The census schedules for 1910 called for the "value of all firewood, fencing material, logs, railroad ties, telegraph and telephone poles, materials for barrels, bark, naval stores, or other forest products cut or produced in 1909, whether used on farm, sold, or on hand April 15, 1910;" and also, in a separate item, for the "amount received from sale of standing timber in 1909." There were 16,017 farms in California (18.2 per cent of all farms in the state) which reported forest products in 1909, the total value of such products being \$2,949,-732, as compared with \$1,724,378 in 1899, an increase of 71.1 per cent. Of the value in 1909, \$1,048,280 was reported as that of products used or to be used on the farms themselves, \$1,698,978 as that of products sold or for sale, and \$202,474 as the amount received for standing timber. It should be noted that forest products not produced on farms are not included in this report.

Sugar crops: 1909 and 1899.—The table below shows data with regard to sugar beets and sorghum cane. The total value of sugar beets produced in 1909 was \$4,321,000, as compared with \$1,550,000 in 1899.

	FAR REPO	MS RTING.		PRODUCT,				
PRODUCT.	Num- ber.	Per cent of all farms.		Amount.	Unit.	Value.		
Sugar beets: 1909 1 1899 Sorghum cane: Total, 1909 2	1,113 863	1.3 1.2	78,957 41,242	845,191 356,535	Tons	\$4, 320, 532 1, 550, 340 14, 826		
Cane grown Sirup made Total, 1899	48 8	0.1 (³)	647	3,021 4,330	Tons Gals	2,340 3,788		
Cane grown Cane sold as such Sirup made	54 0.1		140	1,085 6 8,671	Tons Tons Gals	10 3,778		

Includes beets used as root forage.
 Includes cane used as coarse forage.
 Less than one-tenth of 1 per cent.

¹ Bushels, 2 Included with "unclassified." 3 Consists of products not separately named by the enumerator, but grouped under the designation "all other." Pounds.
5 Includes Oou-shue, Chili nuts, Brazil nuts, Japanese chestnuts, beechnuts, hazelnuts, French nuts, Japanese walnuts, pistachio, butternuts, mayette, hickory nuts, filberts, and other nuts.
Includes limes, bananas, and citron. 8 Not reported. 7 Boxes.

Miscellaneous crops: 1909.—Straw and cornstalks derived as by-products from the production of grain and corn have a considerable value for feed and other purposes. They are, however, mainly consumed on the farms producing them. The Census Bureau made no attempt to ascertain the total quantity or

value of these products, but the schedules called for the quantity and value of those sold during the year 1909. The returns show that 237 farms in California sold, during 1909, 5,756 tons of straw, for which they received \$23,220, and that 38 farmers sold 534 tons of cornstalks and leaves, for which they received \$10,599.

SELECTED FARM EXPENSES AND RECEIPTS.

Farm expenses: 1909 and 1899.—The next table shows the number of farms reporting expenditures for labor, feed, and fertilizer at the census of 1910, as well as the sums expended in 1909 and 1899.

		1909	,	1899	increase.		
EXPENSE.	Farms re	Per cent of all farms.	Amount.	Amount.	Amount.	Per cent.	
Labor Feed Fertilizer	55, 887 49, 372 7, 470	63.4 56.0 8.5	\$49,978,199 12,676,903 2,143,993	\$25, 845, 120 (1) 937, 050	\$24, 131, 079 1, 206, 943	93.4 128.8	

1 Not reported at the census of 1900.

Over three-fifths of the farmers hire labor, the average amount expended by the farmers hiring being \$894. During the decade the total expenditure for labor increased \$24,131,000, or 93.4 per cent.

Over a seventh of the amount reported as expended for labor is in the form of rent and board. At prior censuses no tabulation was made of the number of farmers reporting expenditures for labor.

About one farmer out of every two reports some expenditure for feed, but only about eight out of every

hundred purchase fertilizer. The total amount reported as paid for fertilizer has increased \$1,207,000, or 128.8 per cent, during the decade, the average per farm reporting being \$287.

Receipts from sale of feedable crops: 1909.—An effort was made at the census of 1910 to secure as complete a statement as possible of the sales as well as the production of the more important feedable crops (that is, crops ordinarily fed to live stock). The following table summarizes the data reported:

	FAR REPOR		QUANTITY	SOLD.	
CROP	Number.	Per cent of all farms,	Amount.	Unit.	Amount received.
Total. Corn. Oats. Barley. Hay and coarse forage.	1,021 1,287 4,492 13,368	1. 2 1. 5 5. 1 15. 2	352, 548 2, 192, 824 14, 108, 453 926, 123	Bu Bu Bu Tons	\$21,329,528 294,777 1,417,410 9,427,240 10,190,101

While the total amount expended by California farmers for the purchase of feed in 1909 was \$12,-677,000, the total receipts from the sale of feed by those reporting sales amounted to \$21,330,000.

COUNTY TABLES.

Tables 1 to 6, which follow, present by counties the more important agricultural data collected at the Thirteenth Census, 1910.

Table 1 shows the population, number of farms, land and farm area, value of farm property, and number and value of domestic animals and of poultry and bees, as of April 15, 1910. Comparative data for June 1, 1900, are given in italics for certain items.

Table 2 gives the number of farms, the farm acreage, and the value of farm property operated by owners, tenants, and managers, collected as of April 15, 1910. Statistics of farm mortgages are included in this table. (See explanation in text.) Comparative data for June 1, 1900, are given in italics for certain items.

Table 3 gives statistics pertaining to the products of live stock on farms (dairy products, poultry and

eggs, honey and wax, and wool and mohair); also the number and value of domestic animals sold or slaughtered on farms for the year 1909.

Table 4 shows the total value of farm crops and the principal classes thereof, together with the acreage (or trees of bearing age) and production of the principal crops for the year 1909.

Table 5 gives statistics relating to selected farm expenses for 1909, and also shows the receipts from the sale of feedable crops.

Table 6 shows the number and value of domestic animals in barns and inclosures not on farms, by classes, together with the number of dairy cows and mature horses and mules, on April 15, 1910.

Change of boundaries.—In comparing the data secured in 1910 with those for 1900 the following changes in county boundaries should be considered: A part of

Fresno County was annexed to Kings County in 1909, and Imperial County was organized from a part of San Diego County in 1907.

Changes in 1900 figures.—After the volumes of the Twelfth Decennial United States Census (1900) had been printed, a further detailed study and analysis of the data there presented brought to light certain errors in the total farm acreage of three counties. These

counties, with their corrected acreages, are Merced, 1,666,973, not 1,702,967; Orange, 425,277, not 599,436; and Sacramento, 501,488, not 668,426.

Land in farms in Sutter County.—Following the instructions to assign all of the acreage of a farm to the county in which the residence of the operator was located, a large acreage belonging to adjoining counties has been tabulated as in Sutter County.

TABLE 1.-FARMS AND FARM PROPERTY,

[Comparative data for June 1, 1900, in italies.]

-		THE STATE.	Alameda.	Alpine.	Amador.	Butte.	Calaveras.
1 2	Population Population in 1900	2,377,549 1,485,053	246, 131 130, 197	309 509	9,086 11,116	27,301 17,117	9,171 11,200
3	Number of all farms in 1900.	88, 197	2,422	42	537	1,500	632
4		72, 542	2,787	37	560	1,179	574
5 6 7	Color and nativity of farmers: Native white Foreign-born white Negro and other nonwhite. Number of farms, classified by size:	58, 926 26, 193 3, 078	1,490 60	24 16 · 2	387 145 5	1,204 274 22	420 207 5
8 9 10 11 12	0 Hoter 3 acres: 3 to 9 acres: 10 to 19 acres: 20 to 49 acres: 50 to 99 acres:	9, 324 11, 932 20, 614 10, 680	148 589 405 424 204	1 3	2 13 19 41 52	116 186 321 143	25 14 48 40
13	100 to 174 acres.	4.689	238	4	145	220	171
14	175 to 259 acres.		116	9	64	127	60
15	260 to 469 acres.		163	14	105	171	125
16	500 to 699 acres.		91	3	58	116	80
17	1,000 acres and over.		44	8	38	98	62
18	LAND AND FARM AREA Approximate land area acres Land in farms acres Land in farms acres Land in farms acres acres Improved land in farms acres Improved land in farms acres Acres	99, 617, 280	468, 480	496, 640	384,640	1,102,080	057, 280
19		27, 931, 444	311, 327	32, 004	291,730	490,777	271, 401
20		28, 828, 961	398, 289	15, 681	214,024	677,080	212, 820
21		11, 389, 894	177, 314	7, 579	46,969	247,097	50, 104
22		11, 958, 837	226, 118	4, 391	48,936	302,029	41, 402
23		4, 541, 767	51, 484	7, 597	114,960	119,126	149, 642
24		11, 999, 783	82, 529	16, 828	129,801	124,554	62, 658
25	Per cent of land area in farms Per cent of farm land improved. Average acres per farm Average improved acres per farm VALUE OF FARM PROPERTY	28.0	60. 5	6.4	75.8	44.5	41.3
26		40.8	57. 0	23.7	16.1	50.3	21.8
27		316.7	128. 5	762.0	543.3	327.2	420.4
28		129.1	73. 2	180.5	87.5	164.7	93.5
29	All farm property	1,614,694,584	36,840,669	811, 442	4,820,809	24, 080, 440	3,973,409
30		796,527,955	34,619,536	524, 441	3,818,850	15, 535, 404	2,335,656
31		102.7	6.4	150. 1	45.8	55. 0	70.1
32	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1,317,195,448	29, 537, 208	530, 968	3, 252, 895	19,404,863	2, 376, 308
33		650,444,960	28, 751, 590	198, 100	2, 185, 150	12,460,530	1, 393, 510
34		133,406,040	4, 463, 555	88, 475	589, 925	2,281,132	664, 000
35		77,468,000	5, 486, 310	45, 400	495, 680	1,454,870	427, 190
36		36,493,158	817, 860	30, 450	141, 379	532,320	138, 905
37		21,511,670	780, 040	10, 810	127, 180	439,390	89, 930
38		127,599,938	2, 022, 045	161, 594	836, 610	1,868,125	704, 201
39		67,503,325	1, 602, 596	70, 131	510, 890	1,200,614	485, 935
40	Buildings Implements and machinery Domestic animals, poultry, and bees	81.6	80. 2	65.4	67.5	80.6	59.8
41		8.3	12. 1	10.9	12.2	9.5	16.7
42		2.3	2. 2	3.7	2.9	2.2	3.5
43		7.9	5. 5	19.9	17.4	7.8	20.0
44	All property per farm	18,308	15, 211	19, 320	8,977	16,058	6,28
45		16,447	14, 038	14, 749	7,156	14,457	4,81
46		47.16	94. 88	16, 59	11.15	89.54	8.7
47		21.87	72. 19	12, 63	10.21	18.40	6.5
48	Farms reporting domestic animals	80,304	2,197	40	504	1,305	61:
49		123,024,652	1,880,344	160,323	823,899	1,817,904	779,69
50	Cattle: Total number. Dairy cows. Other cows. Yearling helfers. Calves. Yearling steers and bulls. Other steers and bulls. Value. Horses: Gollars.	6 2,077,025	24,319	2,754	22, 268	5 26, 584	20, 97
51		467,332	9,172	759	2, 747	4, 713	1, 82
52		576,909	5,827	661	7, 985	8, 359	8, 40
53		218,480	2,609	485	2, 175	2, 605	2, 43
54		207,799	4,113	426	3, 444	3, 772	3, 35
55		163,728	1,107	400	1, 970	2, 109	2, 05
56		321,984	1,491	23	3, 945	4, 660	2, 90
57		5 52,785,068	611,907	58,619	506, 380	5 673, 968	422, 39
58	Total number. Mature horses. Yearling colts. Spring colts. Value. Mulas: dollars.	5 468, 886	10,644	426	2,685	7, 055	3, 64
59		402, 584	9,266	376	2,291	6, 608	3, 14
60		41, 927	842	38	218	645	30
61		23, 037	536	12	176	402	20
62		5 47, 099, 196	1,151,631	36,325	233,128	685, 441	264, 71
63 64 65 66 67	Total number. Mature mules Yearling colts Spring colts Value. Assas and hyproc. dollars.	69,761 61,997 4,913 2,851 9,016,444	227 223 4 28,545	1,420	239 212 10 17 27, 590	1,961 1,719 151 91 225,465	6, 20 13 20 3,920
68	Number	2, 592	. 3	. 14	23	18	27
69		347, 315	48	200	458	2,655	1,850
70	Total number. Mature hogs. Spring pigs.	766, 551	6,410	517	5,296	14,333	4,174
71		482, 810	3,640	309	3,623	9,317	2,588
72		283, 741	2,770	208	1,673	5,016	1,586
73		5, 106, 803	55,333	2,515	32,647	83,927	24,368
74	Sheep: doi: Total number. Rams, ewes, and wethers Spring lambs. Value. dollars.	2,417,477	9, 187	16,640	6,645	45,077	15,360
75		1,525,288	5, 680	9,832	3,919	29,137	10,145
76		892,189	3, 507	6,808	2,726	15,940	5,215
77		8,348,997	32, 559	61,200	20,023	138,092	54,500
78	Goats: Number	138, 413	64	10	1,597	3,215	3,348
79		320, 829	321	44	3,673	8,356	7,931
80	POULTRY AND BEES Number of poultry of all kinds. Value	6,087,267	240, 914	2,159	23,630	74, 982	23, 242
81		3,844,526	139, 589	1,139	12,380	45, 750	13, 519
82		201,023	610	49	170	1, 384	362
83		729,793	2, 112	132	331	4, 471	992

¹ Change of boundary. (See explanation at close of text.)

² Agricultural data for Indians on reservations in 1900 shown separately in last column of table.

AGRICULTURE—CALIFORNIA.

BY COUNTIES: APRIL 15, 1910.

[Comparative data for June 1, 1900, in italies.]

<u></u>	Column	Combus Clasta	Del Wanta	Teldon-d-		Clans			7 1	77	77100	T -l-
-	Colusa.	Contra Costa.	Del Norte.	Eldorado.	Fresno.1	Glenn.	Humboldt.2	Imperial.2	Inyo.	Kern.	Kings.1	Lake.
2	7,732 7,364	31,674 18,046	2,417 2,408	7,492 8,986	75,657 87,862	7,172 5,150	33,857 27,104	13, 591 (¹)	6, 974 4, 877	87,715 16,480	16,230 9,871	5, 526 6, 017
3	667 582	1,465 1,511	114	716 759	6,245 3,290	663 529	1,534 1,500	1,322	438 424	1,167 1,098	1,837	603 723
5 6 7	547 112 8	712 715 38	62 46 6	551 150 15	3,968 2,033 244	502 160 1	856 614 64	1,077 143 102	313 98 27	818 298 51	1,312 475 50	478 122 3
8	1 31	18 118	2	26 21	6 267 598	40	10 78 107	51 46	2 28	11 46	7 69	1 10
10 11 12	35 85 42	127 221 158	6 9 13	60 88	3,240 951	33 106 65	280 245	56 / 182 227	28 28 55 75	57 320 173	159 643 377	1 10 38 85 80
13 14 15	90 30 129	256 147 208	81 11 23	212 100 122	609 142 202	79 31 101	334 118 147	400 98 201	113 41 54	222 55 116	287 77 133	144 60 84 53 48
16 17	104 120	140 74	10 9	52 35	119 111	89 119	84 131	51 10	22 20	82 85	42 43	53 48
18 19	729, 600 522, 376 <i>550</i> , <i>002</i>	456,960 406,433	655, 360 35, 947	1,121,920 210,881 209,320 41,682	3,808,000 1,106,616	805,760 491,198	2,325,760 042,536 648,511	2,616,960 223,602	6,412,160 110,142	5,121,920 1,403,350	741,760 873,823 887,505	817,920 217,464
20 21 22 23	336, 509 358, 227 38, 252	408,563 262,152 262,617 28,766	35, 947 33, 115 12, 439 9, 787 10, 574	41,682 45,481 137,057	1,284,786 590,205 786,387 93,194	577, 363 309, 765. 355, 781 67, 665	105,248 77,288	(1) 176,069 (1) 1,138 46,395	141,059 38,698 48,740 1,631	5,121,920 1,403,350 1,571,106 315,387 324,031 235,014	196, 569 262, 148 6, 724	817, 920 217, 464 212, 176 42, 768 41, 414 71, 388 103, 308
24 24 25	147,615 71.6	115,515 88.9	12,934 5.5	32,142 18.8	423, 217 29. 1	113,768	174, 354 362, 934 27. 6	46,395 8.5	69,813	852,949 27.4	170, 530	
26 27 28	64. 4 783. 2 504. 5	64.5 277.4 178.9	34.6 315.3 109.1	19.8 294.5 58.2	53.3 177.2 94.5	63.1 740.9 467.2	16. 4 418. 9 68. 6	78.7 169.1 133.2	35.1 251.5 88.4	22.5 1,202.5 270.8	50. 4 52. 6 203. 5 107. 0	26. 6 19. 7 360. 6 70. 9
29 30 31	19,602,208 13,054,483 50.2	31,812,192 18,874,387 68.5	1,770,222 1,021,040 73.4	3,775,358 2,590,574 45.7	92, 583, 058 42, 829, 479	16,581,410 10,299,300 61.0	21,230,881 18,241,799 60.3	23,646,067 (¹)	7,112,903 2,571,629 176.6	30, 405, 013 14, 246, 125 113, 4	\$3,312,292 5,9x1,907	6,271,615 3,495,090 79.4
32 33	16,066,035 10,885,550		1,358,300 687,830	2,843,931 1,546,240	75, 136, 654 84, 201, 580	13,425,220 8,478,830	16,378,032 9,584,850	19,832,660	5,210,586 1,584,750	23,902,202 10,404,540	26,007,591 8,420,410	4,792,480 \$,419,280 782,785 524,180 207,211 111,420 489,189 440,210
33 34 35 36 37 38 39	10, 885, 350 1, 204, 780 858, 420 419, 557 417, 690 1, 911, 838	2,493,375 1,675,790 680,520	171,380 121,840 48,265	749,745 666,120 162,185	5,861,289 5,092,140 3,228,706	8,478,830 1,110,215 719,610 390,333 299,620	9,584,850 2,054,525 1,282,880 444,280 511,020	764, 665 (¹) 459, 535	5,210,586 1,684,750 558,740 517,060 189,810	23,902,202 10,404,640 1,252,139 664,120 614,028	8, 420, 410 2, 145, 975 811, 920 654, 970 848, 830 4 4, 503, 755	524, 180 524, 180 207, 211
37 38 39	1,911,836 91 3 ,023	26, 586, 160 16, 553, 110 2, 493, 375 1, 675, 790 680, 520 404, 590 2, 052, 137 1, 240, 897	1,358,300 687,830 171,380 121,840 48,265 35,150 192,277 176,240	2, 343, 931 1, 546, 240 749, 745 566, 120 162, 185 116, 320 519, 497 361, 804	75,136,654 34,201,530 6,861,289 3,092,140 3,228,706 1,593,890 7,356,409 3,941,019	1,655,651 806,840	2,354,044 2,123,049	2,589,207 (1)	95, 590 1,163,767 574,229	847,040 4,576,644 2,829,825	4 4,503,755 1,341,247	489,189 440,210
40 41 42 43	82.0 6.1 2.1 9.8	83.6 7.8 2.1 6.5	76.7 9.7 2.7 10.9	62.1 19.9 4.3 13.8	81.2 7.4 3.5 7.9	81.0 6.7 2.4 10.0	77.1 9.7 2.1 11,1	83.9 3.2 1.9 10.9	73.3 7.9 2.7 16.2	78.8 4.1 2.0 15.1	78. 1 6. 4 2. 0 18. 5	76. 4 12. 5 3. 3 7. 8
44 45	29, 389 25, 893 30, 76 19, 79	21,715 19,850 65,41 38,26	15,528 13,418 37,79 20,77	5,273 4,321 11.11	14,825 13,130	25,010 21,924	13,840 12,016	17,887 15,580	16,240 13,172 47.31	26,054 21,606 17.08	18,134 15,826 09.57	10, 401 9, 246 22, 04
46 47	30.76 19.79	65. 41 38. 26	37.79 20.77	11.11 7.89	67, 90 26, 62	27. 33 14. 68	25.49 14.69	88.70 (1)	47.31. 11.23	17.08	09. 57 8. 85	22.04 11.40
48 49	628 1,874,086	1,387 1,985,354	110 189,879	660 505,751	5,874 7,205,046	618 1,623,596	1,494 2,318,676	1,249 2,510,214	402 1,104,481	1,133 4,509,038	1,749 4,426,411	569 471, 428
50 51	5 18,750 3,128	26,529 9,469	6,857 3,575 620 849	13,048 2,823 4,338 1,683 2,154 1,138 912	127,625 22,241 42,001	5 16,214 3,688 3,601	53,775 21,572 7,837	5 22,741 9,653 9,728	20, 308 2, 267 8, 970	6,917	74,975 18,593	7,414 1,487 2,113 821 1,138
52 53 54	6,571 2,140 2,606	6,567 8,240 4,479 1,123	849 1,306 273	1,683 2,154	13,117 12,682 15,354	1,410 2,409 1,925	5,531 8,334 3,418	2,728 2,560 2,772 1,379	2, 583 2, 255 2, 445	6,917 38,101 8,441 7,872 6,459	21, 655 7, 281 8, 793 3, 745	821 1,138 574
56 57	1,556 2,619 429,618	1,651	234 137,380	912 254,898	22, 230 3, 258, 420	2,051 • 365,093	6,590 1,363,050	1,817 6 865,001	1,788 428,853	24,271 53,051,957	14,908 2,481,281	148, 781
58 59 60	4,732 3,992 481	11,233 9,494 1,095	441 382 45	2,544 2,274 180	25,009 22,063 1,899	* 3,946 3,319 839	6,403 5,851 421	7,229 6,277 580	5,032 4,074 555	5 10,347 8,670 987	11,473 9,417 1,174	2,402 2,172 216
61 62	259 428,700	644	37, 265	202,610	1,047 2,583,216	\$ 357,207	591,639	798,817	403 453, 277	6 1,018,562	1,256,415	210,382
63 64 65	5, 291 4, 607 437	651 564 63	3 3	93 9	3,979 3,498 298	3,362 3,033 207		1,672 1,583 69	337 249 55	1,248 1,099 103	1,069 855 142	263 182 45
66 67	247 629, 345	24	475	10,130	183 534,660	407,327	13,940	20 233,196	33 31,960	146,095	148, 430	22,015
68 69	05 15,275	4,265		2,895	101 34,883	~ 17,625	1 '	1,569	309 5,845	130 12,543	10,077	2,780
70 71 72 73	28,064 17,646 10,418 161,174	3,054	1,770 1,153 617 8,451	2,401 1,428 973 16,502	33,150 20,134 13,016 230,325	18,310 12,483 5,827 106,475	4,946	70, 562 45, 764 24, 798 503, 164	3,355 1,795 1,560 21,631	20,513 13,376 7,137 167,439	40,633 22,775 17,858 295,301	8,038 5,301 2,787 39,230
74 75		- 1	1,841 1,341	3,162 1,763	142,011 94,757 47,254	111,363 70,210		23,839 13,786 9,553		1	62,874 40,483 21,891	1
76 77	64,592 39,801 24,791 202,703		5,063	1,399 11,580	555,057	363,893	24,650 278,763	108,504	43,346 17,240 26,106 156,319		233,005	10,947 7,436 3,511 27,167
78 79	2,154 7,271	17 76	465 1,245	3,315 7,136	4,558 8,485	2,813 5,976	3,747 12,477	147 463	2,846 6,596	930 3,305	1,902	9,018 21,114
80 81 82 83	61,113 33,372 1,406	1 098	3,911 2,175 78	24,308 12,667 464	213, 108 116, 504 9, 242 34, 859	50,836 30,715 420	30,037	72,252 54,117 4,740 24,876	30, 132 20, 590 5, 868 28, 696	75, 900 51, 438 4, 501 16, 168	102,747 59,708 4,690 17,630	27, 435 17, 086 276 675
83	4,378	2,110	223	1,079	34,859	1,840	5,331	24,876	28,696	16, 168	17,630	010

² Includes Belgian hares, valued at \$967.

⁴ Includes Belgian hares, valued at \$6.

TABLE 1.-FARMS AND FARM PROPERTY,

[Comparative data for June 1, 1900, in italics.]

		Lassen.	Los Angeles.	Madera.	Marin.	Mariposa.	Mendo- cino. 1	Merced.	Modoe.
1 2	Population Population in 1900	4,802 4,511	504,131 170,298	8,368 6,364	25,114 15,702	3,956 4,720	23,929 20,465	15,148 <i>9,215</i>	6,191 5,076
í	Number of all farms. Number of all farms in 1900. Color and nativity of farmers:	502 555	7,919 6,577	573 <i>52</i> 3	498 402	330 <i>381</i>	1,356 1,452	1,856	736 <i>63</i> 8
5	Color and nativity of farmers: Native white		5,682	419	138	253	966	1,054	639
6	Foreign-born white	77 13	1,613 624	131 23	360	63 14	363 27	780 22	80 17
8	Color and nativity of farmers: Native white Foreign-born white. Negro and other nonwhite. Number of farms, classified by size: Under 3 acres. 3 to 9 acres. 10 to 19 acres. 20 to 49 acres. 50 to 99 acres.	9	438 2,125	13	6 35	1	42	1 86	5
10 11	10 to 19 acres	12	1,820 1,700	21 76	54 36	4 4	61 166	213 694	18 13 21 44
			698	23	30	21	151	295	
13 14 15	100 to 174 nores	117 51 130	531 192 207	151 27 66	35 40 72	97 15 101	334 131 193	165 46 89	229 68 17 1
16 17	260 to 499 acres 500 to 999 acres 1,000 acres and over	84 63	114 85	59 137	111 79	51 36	124 154	100 167	92 75
18	LAND AND FARM AREA Approximate land area	2,899,840	2 602 880	1,351,680	338,560	936,320	9 90 1 090	1 976 900	9 446 700
19 20	Application	295,728 381,109	2,602,880 757,985 895,663	620, 663 484, 659 391, 086	263, 442	206,059 160,156	2,201,920 721,325 742,924	1,276,800 1,162,167 81,702,967 607,742 613,576 49,818	2,446,720 410,134 298,755 164,784
19 20 21 22 23	Improved land in farms	122,057 133,266	418,998 518,744 18,051	391,086 277,721 41,612	322, 374 93, 115 47, 588	37,017 14,003 85,150	742,924 82,578 73,907	607,742 618,876	164,784 122,647 75,668
		27,688 145,983	18,051 320,936	187,965	49, 978 120, 349	85,150 83,892	247, 758 390, 989	49,818 504,607	75,608 169,682
25 26	Per cent of land area in farms. Per cent of farm land improved. Average acres per farm. Average improved acres per farm.	10.2 41.3	29. 1 55. 3	45. 9 63. 0	77. 8 35. 3	22. 0 18. 0	32.6 11.4	91. 0 52. 3	16.8 40.2
27 28	Average acres per farm	589. 1 243. 1	95. 7 52. 9	1,083.2 682.5	529. 0 187. 0	624. 4 112. 2	532. 0 60. 9	626. 2 327. 4	557. 2 223. 9
29	VALUE OF FARM PROPERTY All farm propertydollars	9,376,809	199,998,200	14,984,395	12, 426, 158	2,829,235	14,659,467	49,520,913	11.376.263
30 31	All farm property in 1900. dollars. Per cent increase, 1900-1910.	5',885',615 74.8	74,817,646 167.3	5,916,894 153.3	10, 866, 511 14. 4	2,829,235 1,828,151 113.0	8,587,516 70.7	22,636,859 118.8	11,376,263 6,863,827 112.1
32 33	Land	6,331,832 2,949,510	180,354,798 64,189,290	12,263,638	9,384,625	1,817,100	10,774,439 5,840,250	40,047,324	7,879,085
34 35	Buildings dollars. Buildings in 1900 dollars.	765, 460 708, 010	64,189,220 11,798,273 6,702,710	4,588,770 771,595 433,050	1,156,830 914.020	1,817,100 752,090 276,180 207,640 79,403	1,816,135 1,081,090	18,449,650 2,338,587 984,040 804,625	7,879,085 2,825,860 1,004,180 521,900 365,550
35 36 37 38 39	Implements and machinery dollars Implements, etc., in 1900 dollars.	289, 287 255, 220	2,462,387 1,433,050	441,455 214,100 1,507,707	343,482 207,110	[<i>09,960</i>]	275,049 219,630	804,625 601,480 6,330,377	365,550 174,200 2,627,448
38	Lana tr 1990 Gollars	1,900,230 1,462,876	\$ 5,382,742 2,492,666	1,507,707 680,974	9, 384, 625 8, 890, 450 1, 156, 830 914, 020 343, 482 207, 110 1, 541, 221 1, 414, 931	656, 552 308, 461	1,693,844 1,446,646	6,330,377 2,701,689	2,627,448 1,842,867
	Buildings	67. 5 8. 2	90.·2 5. 9	81.8 5.1	75. 5 9. 3	64. 2 9. 8	73. 5 12. 4	80. 9 4. 7	64. 9 8. 8
41 42 43	Implements and machinery. Domestic animals, poultry, and bees. Ayerage values:	3. 1 21. 2	1.2 2.7	2. 9 10. 1	2.8 12.4	2. 8 23. 2	2.6 11.6	1.6 12.8	3. 2 23. 1
44 45	All property per farmdellars Land and buildings per farmdellars	18,679 14,138	25,255 24,265	26,151 22,749	24,952 21,168	8,573 6,343	10,811	20,682 22,837	15,457 11,390 17,99
45 46 47	All property per farm dollars. Land and buildings per farm dollars. Land per acre dollars. Land per acre in 1800 dollars.	21. 41 7. 74	287.94 71.67	19. 76 9. 47	35.62 25.84	8. 82 4. 70	9,285 14.94 7.86	34. 46 10. 83	17. 99 9. 46
48	DOMESTIC ANIMALS (farms and ranges)	489	G 544	F00	470		1.000	1 700	70
49	Farms reporting domestic animals	1,979,199	6,544 4,734,487	1,493,568	1,436,975	647,783	1,806 1,657,805	6,266,477	2, 612, 918
50 51 52 53	Cattle: Total number. Dairy cows Other cows Yearling heifers. Calves. Yearling steers and buils. Other steers and bulls.	43,832 2,890	43,095 20,524	6 27, 905 1, 592	6 39, 266 24, 803 3, 564	6 16, 671 905	30, 154 6, 454	6 150, 467 19, 678	46,916 2,908
53 54	Other cows Yearling heifers	18,444 5,975 4,906	8,027 5,561 6,211	12,406 2,425 2,975	3,564 2,880 6,509	7,477 1,602 2,115	9,280 3,054	43,250 14,858 14,625	18,502 6,937
55 56	Yearling steers and buils Other steers and bulls	5,456 6,161	1,666 1,106	2, 252 3, 946	567 641	1,683 2,876	3,980 2,503 4,883	11,036 34,707	4,608 6,517 7,449
57	Horses:	0/1, 941	1,473,509	6 582, 792	61,046,404	6 370, 521	597, 588	6 4, 343, 845	1,005,026
58 59 60	Total number. Mature horses. Yearling colts	9, 515 7, 548 1, 406	22,424 20,375 1,376	4,070 3,498 334	2,558 2,338 166	2,240 1,896 218	5,994 5,300 510	12,556 10,308	9 15, 630 12, 24 2, 21
61 62	Yearling colts. Spring coits. Value. dollars.	702, 420	2,479,207	238 386, 856	54 248,075	126 182, 986	184 541,605	1,453 795 1,063,537	976 1,145,568
63	Mules: Total number. Mature mules.	702 414	2,570	3,141	11	296	309	4,075	1, 135 56
64 65 66	Yearling coits. Spring coits. Olitical description of the coil of	185 103	2,459 76 35	2,928 154 59	11	201 46 49	298 10 1	3,673 198 204	44 12
67	Asses and hurros:	60,681	390,200	454, 606	980	80, 565	27, 421	482, 209	98, 00
68 69	Number. Valuo. dollars. Swine:	20, 220	3,806	9,301		10, 183	1,240	107 17,432	26, 51
70 71	Total number	5,034 3,079	28,942 18,418	6,853 4,444	16,099 8,812	8,882 6,160	22,069 14,600	29, 535 19, 414	8, 48 5, 32
71 72 73	Spring pigs	1,955 30,513	10, 524 230, 390	2,409 36,151	7,287 126,569	2,722 46,704	7, 469 102, 615	19,414 10,121 185,474	3, 16 53, 59
74 75 76 77	Total number Rams, ewes, and wethers	72,725 42,490	31,091 22,261	10,106 6,269	2,955 1,930	1, 181 877	129,770 88,760	1	76, 56 46, 07 30, 48
76 77	Spring lambsdollars	30, 235 291, 592	8,830 136,536	3,837 23,145	1,025 14,391	304 4,409	88,760 41,010 377,121	39,768 28,044 11,724 152,708	30, 48 286, 88
78 79	Goats: Number Valuedollars.	586	8,238	278	147	931	3,927	5.246	54
	POULTRY AND BEES	1,832	20,839	717	556	2,365	10,215	21,272	2,33
80 81 82	Number of poultry of all kinds	19,297 9,957	513, 965 547, 968	23,246 13,024	203,277 104,178		56,807 34,665	83, 998 51, 943	23,78 11,46
	TY ULTITUDE OF COTOTHES OF DEES.	298	25, 930 99, 762	375	20		441	4,072	83

¹ Agricultural data for Indians on reservations in 1900 shown separately in last column of table.

² Change of boundary. (See explanation at close of text.)

BY COUNTIES: APRIL 15, 1910—Continued.

[Comparative data for June 1, 1900, in italics.]

-					Compan		June 1, 1900	,,					
	Mono.	Monterey.	Napa.	Nevada.	Orange.	Placer.	Plumas,	Riverside.	Sacra- mento.	San Benito.	San Bernardino.	San Diego. 2	San Francisco.
1 2	2,042 2,167	24, 146 19, 580	19,800 16,451	14, 955 17, 789	34, 436 19, 696	18, 237 15, 786	5,259 4,657	84,696 17,897	67, 806 45, 915	8,041 6,633	56, 706 27, 929	61, 665 35, 090	416, 912 <i>848, 788</i>
3 4	91 112	1,658 1,850	1,537 1,536	544 522	3, 165 2, 888	1,062 1,076	221 267	2,688 2,340	1,601 1,392	921 <i>90</i> 7	2,949 2,350	2, 298 2, 698	157 304
5 6 7	44 42 5	933 676 49	1,006 527 4	349 184 11	2,862 718 85	619 263 180	155 63 8	2,044 517 127	885 485 231	616 289 16	2,365 567 17	1,591 586 121	30 118 9
8 9 10 11	3 1 1	11 69 71	14 136 223 355	7 61 36 77	28 531 802 1,043	2 52 109 289 206	6 5 9	42 462 596 614	12 167 237 321	7 87 83 118	76 567 918 703 278	20 236 345 414 269	69 50 11 15 7
12 13	4 27 12	182 185 263 127	226	69 88 53	351 175	174	12 45	262 262 99	170 223 96	93 107 58	209 70	337 146	4 1
14 15 16 17	12 16 10 17	127 282 225 243	92 112 84 72	53 84 41 28	60 86 52 37	69 75 50 36	19 37 46 42	166 104 81	178 111 91	144 109 117	75 35 18	246 156 129	
18 19 20 21 22 23 24	1,939,200 115,672 186,063 43,382 65,238 8,303 63,987	2,131,200 1,147,416 1,087,082 371,509 878,605 140,377 635,530	501, 120 360, 580 319, 327 101, 114 111, 966 193, 578 65, 888	623,360 175,398 120,743 24,542 24,888 48,449 102,407	508,800 371,692 8 599,436 189,463 256,847 4,476 177,753	892,800 248,080 440,871 98,608 121,063 32,194 117,278	1,660,160 134,259 184,449 54,281 57,851 27,238 52,740	4,633,600 520,806 427,097 278,151 216,053 4 30,231 212,424	629, 120 473, 044 3 668, 426 275, 682 827, 169 20, 964 176, 398	890, 880 544, 301 512, 719 186, 573 168, 698 52, 466 305, 262	12,900,480 208,396 £19,182 136,625 96,920 23,137 48,634	2,701,440 834,426 809,419 234,045 ££9,791 71,020 529,361	27, 520 2, 091 8, 219 1, 562 3, 829 289 240
25 26 27 28	6. 0 37. 5 1,271. 1 476. 7	53. 8 32. 4 692. 0 224. 1	72. 0 28 0 234. 6 65. 8	28. 1 14. 0 322. 4 45. 1	73.1 51.0 117.4 59.9	27. 8 39. 7 233. 6 92. 9	8. 1 40. 4 607. 5 245. 6	11. 2 53. 4 193. 8 103. 5	75.2 58.3 295.5 172.2	61. 1 34. 3 591. 0 202. 6	1. 6 65. 6 70. 7 46. 3	30.9 28.0 363.1 101.8	7. 6 74. 7 13. 3 9. 9
29 30 31	2,347,797 1,175,743 99.7	35,021,930 19,409,748 80.4	18,082,006 12,337,046 46.6	3,022,685 1,947,540 55.2	04, 357, 852 22, 346, 595 188.0	10,234,101 6,647,761 56.3	3,362,955 2,239,876 50.1	46, 203, 795 21, 644, 031 113. 5	36,694,682 19,326,626 89.9	14,963,867 <i>9,117,058</i> 64.1	68, 499, 103 24, 656, 402 177. 8	31,124,814 18,346,677	2,630,428 £,407,893 9,2
32 33 34 35 36 37 38 39	1,587,813 519,040 154,700 87,380 45,345 26,340 559,939 542,983	27,885,000 15,632,700 2,178,728 1,353,700 811,880 502,400 4,146,316 1,920,942	13,086,656 8,925,780 3,365,470 2,181,590 500,921 367,980 1,128,969 871,696	1,817,417 1,116,960 664,400 457,640 132,857 102,910 408,011 280,030	55, 952, 755 18, 533, 640 4, 600, 795 2, 177, 040 1, 148, 222 466, 500 2, 596, 080 1, 179, 415	7,747,744 4,889,780 1,390,840 998,620 320,083 £22,060 766,434 487,851	2,201,654 1,211,580 532,158 387,010 123,300 97,240 505,845 644,096	39, 363, 652 18, 488, 110 3, 666, 689 1, 999, 850 1, 112, 189 509, 280 2, 001, 265 756, 791	30, 425, 404 16, 189, 870 3, 205, 416 2, 159, 630 786, 383 528, 780 2, 277, 479 1, 448, 346	11,272,186 7,057,190 1,336,855 852,840 391,058 £72,030 1,963,798 £85,498	60,681,348 21,000,370 5,238,858 2,573,120 1,077,851 395,860 1,501,046 687,052	23, 934, 782 14, 133, 990 3, 337, 382 2, 170, 190 851, 591 535, 980 3, 001, 109 1, 508, 517	2,097,111 1,855,030 320,789 228,100 68,270, 71,200 5 138,258 258,563
40 41 42 43	67. 6 6. 6 1. 9 23. 9	79.6 6.2 2.3 11.8	72. 4 18. 6 2. 8 6. 2	60.1 22.0 4.4 13.5	86.9 7.2 1.8 4.0	75. 7 13. 7 3. 1 7. 5	65.5 15.8 3.7 15.0	85. 2 7. 9 2. 4 4. 5	82. 9 8. 7 2. 1 6. 2	75.3 8.9 2.6 13.1	88.6 7.6 1.6 2.2	76. 9 10. 7 2. 7 9. 6	79. 7 12. 4 2. 6 5. 3
44 45 46 47	25,800 19,148 13.73 2.79	21, 123 18, 133 24, 30 14, 38	11,764 10,704 36,29 27,95	5,556 4,562 10.36 9.25	20,334 19,151 150,54 80.92	9,637 8,614 31.23 10.99	15,217 12,370 16.40 6.57	17, 189 16, 008 75, 58 43, 29	22, 920 21, 006 64, 32 ££, 7£	16,247 13,691 20,71 13,78	23,228 22,353 291.18 95.83	13,544 11,868 28.68 17.46	16,754 15,439 1,002,92 225.70
48 49	85 556,310	1,582 4,069,857	1,395 1,065,340	507 393,20 4	2,862 2,453,878	994 737, 464	207 499, 089	2,182 1,937,237	1,494 2,187,810	863 1,909,386	2,278 1,406,523	2,170 2,790,287	106 111,230
50 51 52 53 54 55 56 57	5,301 450 2,270 803 666 685 427 107,941	13,806 7,502 13,133	6 15, 866 6, 270 8, 945 1, 403 2, 518 758 937 6 395, 721	8,606 2,395 2,950 832 1,069 495 865 174,067	18,220 6,184 4,473 2,124 2,231 1,168 2,040 506,811	6 7, 510 2, 421 2, 283 602 1, 204 428 532 6 182, 827	11, 401 3, 437 1, 954 1, 561 1, 586 1, 468 1, 395 279, 651	1,333 3,755	5,568 1,529 1,961	439,703 4,828 11,064 4,459 5,864 4,151 8,987 6939,660	926 481 2,847	58,777 10,633 15,815 7,874 8,088 6,490 9,877 1,356,802	10 581 174 75 25 77,015
58 59 60 61 62	2,097 1,655 310 132 175,884	1, 993 1, 268	5, 910 5, 145 528 237 540, 055	\$2,074 1,830 124 70 \$161,139	10,565 9,580 760 225 1,338,440	4, 193 3, 762 294 137 398, 692	2,044 1,770 206 68 200,409	10,315 8,969 943 403 1,157,357	8,770 773 426	8, 475 6, 921 955 599 843, 985	167	11,498 9,663 1,130 705 1,262,938	318
63 64 65 66 67	136 73 46 17 11,535	642 546 68 30	372 345 18 9	68 57 11 5,495	2, 268 2, 223 38 7 396, 360	498 459	43 41 2 4,435	. 43	703 30 10	96 74 19 3 11,145	757 18 3	23	
68 69	62 1,630	26	10	10 205	25 1,195	66 1,529	1,560	1	6,245	29 945	1,789	11,036	3
70 71 72 73	423 179 244 2,766	12,567	8,344 5,160 8,184 51,330	1,816 1,067 749 12,602	4, 448 2, 265 2, 183 32, 959	3,387 1,822 1,565 23,785	1,409 665 744 8,922	3,892 2,258	10,455 6,421 3 4,034 73,278	8,132 5,572 2,560 57,253	2,562 1,187 29,173	4,261 3,130 59,842	1,655
74 75 76 77	63, 046 40, 808 22, 241 256, 477	17,029 11,845	10,878 5,794 5,084 37,076	4,009	43,678 31,802 11,876 176,893	15,142 9,326	845	5,589 1,420	25,828 21,129	15, 146 10, 635 4, 511 55, 239	35	220 69 1,310	3 3 20 20
78 79	2l 77	3,983 7 10,976	556 1,873	2,198 4,736	423 1,220	1,542 3,455	10 32			1,150	81 506		9 60
80 81 82 83	1,58	3 3,669	61,777 524	260	186,746 125,423 5,159 16,779	26,714	6,272	2 61,745 18,900	0 1,885	50,41 1,17	4 65,160 7 8,073	104,82 30,56	6 / 6

See explanation for 1900 figures at close of text.
 Includes Belgian hares, valued at \$525.

Includes Belgian hares, valued at \$125.
 Includes animals, age or sex not specified.

TABLE 1 .- FARMS AND FARM PROPERTY,

[Comparative data for June 1, 1900, in italics.]

T		San Joaquin,	San Luis Obispo	San Mateo.	Santa Barbara.	Santa Clara.	Santa Cruz.	Shasta.	Sierra.
1 2	Population	50, 731 85, 452	19, 383 16, 687	26, 585 12, 094	27,738 18,934	83, 539 60, 216	26, 140 21, 512	18, 920 17, 518	4, 098 4, 017
		3, 286 1, 966	1,714 1,818	665 551	1,355 1,149	4, 731 8, 995	1, 466 1, 274	1,010 1,221	110 141
5	Number of all farms. Number of all farms in 1900. Color and nativity of farmers: Native white.	2, 179 977	929	258	874	2,725 1,860	851	825	77 32
6	Color and nativity of farmers: Native white. Foreign-born white. Negro and other nonwhite. Number of farms, classified by size:	977 130	767 18	390 17	448 33	1,860 146	588 27	151 34	32 1
8	3 to 9 gares	9 204	7 65	46 81	17 130	68 773	18 226	6 16 29	1 6 3
10 11 12	10 to 19 acres. 20 to 49 acres. 50 to 99 acres.	531 797 397	80 179 187	55 112 61	140 212 164	1, 186 1, 317 562	198 384 2 93	103 111	3 4 5
13 14	100 to 174 acres	395	267	90	185	376	188	300	25
15	175 to 259 seres. 280 to 499 acres. 500 to 999 acres.	217 371 221	123 304 288	52 67 60	105 138 93	141 147 75	60 52 25	96 190 93	4 19 18
16 17	1,000 acres and over	144	214	41	171	86	22	66	25
18 19	A managing of a land area	926,720 763,048	2, 133, 700 1, 588, 060	286,080 160,655	1,753,600 1,120,475 922,611 215,552	849, 920 734, 819	278, 400 157, 308	2, 469, 120 389, 218 547, 120 96, 217 86, 540	590, 720 84, 220 74, 609 30, 794 26, 687 18, 168
20 21	Land in farms in 1900	751,065 611,762 652,925	1,034,480 326,928 418,556	149,944 100,800 72,429	922,611 215,552 202,982	710,686 237,170 290,285	160, 438 66, 875 62, 849	96, 217 86, 540	74,609 30,794 26,687
22 23 24	Approximate and attest that the state at th	35, 387 115, 899	174,891 1,086,841	27, 334 32, 521	276,071 628,852	153, 835 343, 814	44, 157 46, 276	151, 113 141, 888	18, 168 35, 258
25 26	Per cent of land area in farms.	82. 3 80. 2	74. 5 20. 6	56.2 62.7	63.9 19.2	86. 5 32. 3	56. 5 42. 5	15.8 24.7	14.3 36.6
27 28	Per cent of land area in farms. Per cent of farm land improved. Average acros per farm. Average improved acres per farm.	232. 2 186. 2	926. 9 190. 7	241.6 151.6	826.9 159.1	155.3 50.1	107.3 45.6	385. 4 95. 3	765.6 279.9
29	VALUE OF FARM PROPERTY		32, 426, 353 14, 635, 757	20, 870, 585	43, 544, 076	67, 187, 549	17, 653, 136	7, 847, 929	1,650,799 995,395
30 31	All farm property dollars All farm property in 1900 dollars. Per cent increase, 1900–1910	31, 218, 424 115. 5	14,635,757 121.6	20, 870, 585 10, 854, 856 101. 6	18, 271, 865 138. 3	67,187,549 50,724,703, 32.5	17, 653, 136 11, 448, 150 54. 3	7,847,929 4,420,423 77.5	65.8
32 33	Land dollars Land in 1900 dollars	55, 909, 884 25, 769, 590	24, 745, 375 11, 183, 180	17,448,280 8,201,140	35, 556, 593 14, 849, 440 3, 004, 679	52,882,603 42,270,840 9,125,640 5,852,710	14, 103, 715 9, 094, 410 2, 299, 890 1, 452, 020 461, 107 246, 930	5, 403, 079 2, 980, 620 851, 750	962, 575 564, 990 262, 125 179, 770
32 33 34 35 36 37	Buildings dollars Buildings in 1900. dollars Tundements and machinery dollars	5, 675, 665 2, 297, 180 1, 741, 053	2, 136, 447 1, 272, 820 742, 498	2,006,705 1,888,890 398,327	1,575,290 804,264	5,852,710 1,942,339	1,452,020 461,107	289, 511	179,770 65,524
38	Implements, etc., in 1900. dollars. Domestic animals, poultry, and bees. dollars.	907,410 3,960,026	479, 840 4, 802, 033 1, 749, 917	178,600 1,017,273	365,770 4,178,540	1,942,339 1,287,560 3,236,967	1 (00, 222	163, 450 1, 303, 589 787, 858	65, 524 37, 480 360, 575 213, 155
39 40	Land dollars Land in 1900 dollars Buildings dollars Buildings in 1900 dollars Implements and machinery dollars Implements, etc., in 1900 dollars Domestic animals, poultry, and bees dollars Domestic animals, etc., in 1900 dollars Per cent of value of all property in— Land Buildings Buildings	2, 244, 294 83. 1	76.8	83, 6	1,681,868 81.7	1,834,093 78.7	649, 790 79, 9	68.8	58.3 15.9
41 42 43	Buildings Implements and machinery Domestic animals, poultry, and bees	8.4 2.6 5.9	6. 6 2. 3 14. 8	9.6 1.9 4.9	6.9 1.8 9.6	13.6 2.9 4.8	13, 0 2, 6 4, 5	10. 9 3. 7 16. 6	15.9 4.0 21.8
44			18, 919 15, 684	31, 384	32, 136 28, 458	14, 202	12, 042 11, 189	7,770 6,193	15,007
45 46 47	All property per farm dollars. Land and buildings per farm dollars. Land per acre dollars. Land per acre in 1900. dollars.	18,742 73.27 34.31	15, 684 15, 58 10, 76	29, 256 108, 61 54, 69	28,458 31,73 16,10	13, 107 71, 97 <i>59, 48</i>	89.66 56.68	13.88 8.59	11, 134 11, 43 7, 57
	DOMESTIC ANIMALS (farms and ranges)			<u> </u>			1,340	962	104
48 49	Farms reporting domestic animals	2,938 3,850,155	1,654 4,733,160	990, 208	1,285 4,119,104	3,963 3,105,853	739, 727	1,282,743	357, 497
50 51 52	Total number. Dairy cows Other cows	31,296 11,904 6,861	6118,704 24,193 22,903	15,288 8,119 2,305	6 87,576 11,690 23,752	446,030 12,181 12,251	10,100 4,210 1,811	34,119 2,923 15,433	7,787 1,563 2,268
53 54	Yearling heifers. Caives	3,636 4,960	10,345 15,635	1,848 2,375	6,891 11,524	4,449 5,443	1,113	3,678 3,308	850 874
55 56 57	Cattle: Total number . Dairy cows. Other cows. Yearling heifers. Calves. Yearling steers and bulls. Other steers and bulls. Value. Universed to the steers and bulls. Other steers and bulls. Other steers and bulls. Other steers and bulls. Other steers and bulls.	1,937 1,998 874,834	33,180	272	8,666 24,578 62,223,007	3,133 7,552 61,218,607	438 749 259,560	5,580 677,694	831 1,401 199,156
58 59 60	Horses: Total number. Mature horses.	6 20, 972	15,274	4,295	13,034 10,621	15,816 14,405	4,290	5,217 4,516	1,394 1,199
61	Yearling colts. Spring colts. Value. dollars.	1,597 1,089	1,686 987	253 102	1,442 971	899 512	260 116	488 213	165
62 63	Value. dollars. Mules: Total number	1		425,976 12	1,398,385	1,763,731	,	396, 414	136,605
64 65 66	Mature mules. Yearling colts. Spring colts. Value. dollars.	9 160	754	10 2	362 56 25	267 7	84	224 57 13	20
67	i Asses and hurros:	1.		915	53,740	29,026		23, 225	1,450
68 69	Number Value dollars.	16,760	2,095	50	4,380	11 150		2, 635	325
70 71 72 73	Total number	13,473	11,750	12,682 8,692	22,073 15,113	7,349 4,165	2,165	18,800 12,832	664 370
	Spring pigs. Valuedollars. Sheep:		110,830	93,990	162, 635	3,184 61,121	27,421	96,329	294 4,198
74 75 76	Total number Rams, ewes, and wethers	14,807	54,717	1,329 767 562		10,055 4,449 5,600	876	11,449	3,098 3,005 93
77	Spring lambs. Value	1	256,156	5,140	1	32,553	5,454	5,574 44,945	15,579
78 79	Number. dollars.	. 260		154 569	558 1,698	168 665		18,403 41,501	73 184
80	POULTRY AND BEES Number of poultry of all kinds	175, 456	119,822	47,625		209,093	85,705	35,873	4, 458
81 82 83	Value. dollars Number of colonies of bees dollars Value. dollars	3,014	1 3,930	3 289	4,072	2,542	46,054 693 5 2,643	689	2,950 49 128
-	¹ Agricultural data for Indians on reservations in 1900 sl	1			<u> </u>		planation at c	<u> </u>	

¹ Agricultural data for Indians on reservations in 1900 shown separately in last column of table.

BY COUNTIES: APRIL 15, 1910-Continued.

[Comparative data for June 1, 1900, in italies.]

1	Siskiyou.	Solano.	0					,					
			Sonoma.	Stanislaus.	Sutter.	Tehama.	Trinity.	Tulare.1	Tuolumne.	Ventura.	Yolo.	Yuba.	Indian res.
2	18,801 <i>16,962</i>	27, 559 24, 143	48, 394 38, 480	22, 522 9, 550	6,328 5,886	11,401 10,996	3,301 4,583	35, 440 18, 375	9,979 11,166	18,347 <i>14,86</i> 7	13,926 13,618	10,042 8,620	
3 4	1,114 981	1,143 1,161	4,772 3,676	2,687 951	873 728	1,006 1,055	308 272	4, 021 2, 212	386 457	1,293 1,209	, 1,255 1,214	436 <i>483</i>	287
5 6 7	852 218 44	620 449 74	2, 7 37 2, 012 23	1,879 801 7	696 154 23	799 188 19	235 55 1 8	3, 253 707 61	241 143 2	965 307 21	934 255 66	338 91 7	
8	1 21 36	6 45	40 916	13 153	57	7 34	0 9	9 171	1 4	13 87	4 53	13	
10 11 12	88 98	60 198 170	890 1,040 522	319 1,046 439	101 142 91	119 198 102	9 24 23	390 1,247 647	15 28 27	120 199 214	115 283 166	20 33 34	
13 14 15	388 84 199	167 89 156	508 233 299	192 83 125	123 84 123	151 51 119	148 23 41	597 198 364	' 105 35 88	207 142 155	170 83 189	82 30 93	
16 17	124 75	144 108	202 122	142 175	78 74	139 139	15 10	197 201	43 40	90 66	107 85	64 67	
18 19 20	4,003,840 455,876 452,859	526, 080 474, 866 480, 551	1,009,280 744,644 785,064	928, 000 649, 392 850, 692	389,120 2 385,462	1,851,520 915,227 950,763	2, 026, 240 91, 310 76, 038	3,107,840 1,045,231 1,059,727 507,024	1,401,600 193,072 204,758	1,201,920 550,199 552,359	648,960 463,383	408,960 249,108 312,821	17, 124
21 22 23	186, 147 181, 029 82, 544 187, 185	310, 452 844, 058 44, 534	785,064 248,271 221,374 278,507	512, 189 622, 700 18, 756	203, 287 199, 510 206, 877 13, 956	186,642 269,698 206,234 522,351	13,300 14,144 31,882	546,289 161,360	36, 407 36, 401 62, 215 94, 450	213,868 174,419 56,061	552,065 317,268 351,213 77,576	94,250 164,013 70,175	5,244
24 25	11.4	90.3	217,866 73.8	70. 0	13,956 171,996 99.1	49. 4	46, 128 4. 5	370,847 33.6	13.8	280, 270 45. 8	71.4	84,683 60.9	
26 27 28	40. 8 409. 2 167. 1	65. 4 415. 5 271. 6	33. 3 156. 0 52. 0	78. 9 241. 7 190. 6	51.8 441.5 228.5	20. 4 909. 8 185. 5	14. 6 296. 5 43. 2	48. 5 259. 9 126. 1	18.9 500.2 94.3	38. 9 425. 5 165. 4	68. 5 369. 2 252. 8	37.8 571.3 216.2	
20 30 31	14, 270, 302 7, 704, 769 85. 2	28,727,683 20,780,484 38.2	55, 351, 049 33, 071, 707 67. 4	43, 787, 887 17, 031, 950 157. 1	19, 115, 593 9, 182, 731 108, 2	16, 821, 178 16, 080, 104 4, 9	1, 591, 469 1, 040, 819 52. 9	76, 539, 642 20, 287, 801 277, 3	2,942,322 2,131,145 38.1	48, 262, 645 21, 433, 487 125, 2	31,798,096 19,989,751 59.1	8,666,211 4,708,613 41.7	409, 861
32 33		- 1	41, 512, 706 25, 286, 750	35, 324, 243 13, 674, 850	14,869,242 6,976,320	12, 932, 446 11, 720, 120 1, 234, 375 2, 001, 860	900, 855 588, 450 274, 260 171, 550	64, 455, 554 15, 898, 600 4, 195, 452	1,779,470 1,284,200		25,684,710 15,906,280	4,011,611 8,875,150 688,565	218, 920
34 35 86 37	10, 352, 935 5, 084, 110 1, 411, 810 1, 056, 390 420, 745 284, 520 2, 084, 812 1, 970, 770	23,025,081 16,903,310 2,278,540 1,906,970 767,136 649,320	41,512,706 25,286,750 8,758,787 4,646,680 1,326,832 847,240 3,752,724 2,291,137	35, 324, 243 13, 674, 850 3, 320, 475 1, 237, 900 820, 079 537, 280	2,032,535 987,700 458,269	2,091,860 494,932 440,020	171,550 69,119	1,376,960 1,805,419 715,450 6,083,217 2,296,791	451,955 597,850 114,830 102,070	41,826,120 18,649,290 2,365,140 1,491,250 1,112,812 482,270	2,799,277 1,935,590 795,162 510,430	637, 180 171, 735 161, 660	78, 590 25, 420
38 30	2,084,812 1,279,749	2,656,926 1,321,834	3,752,724 2,291,137	4 4, 323, 090 1, 581, 920	513,780 1,755,547 904,931	2, 159, 425 1, 778, 104	69, 119 31, 180 347, 235 254, 639	6,083,217 2,296,791	596, 067 <i>346, 965</i>	482,270 2,958,573 910,677	\$10,430 \$2,518,947 1,687,451	894,300 589,688	86, 481
40 41 42 43	72.5 9.9 2.9 14.6	80. 2 7. 9 2. 7 9. 2	75.0 15.8 2.4 6.8	80. 7 7. 6 1. 9 9. 9	77. 8 10. 6 2. 4 9. 2	76. 9 7. 3 2. 9 12. 8	56. 6 17. 2 4. 3 21. 8	84. 2 5. 5 2. 4 7. 9	60. 5 15. 4 3. 9 20. 3	86. 7 4. 9 2. 3 6. 1	80. 8 8. 8 2. 5 7. 9	73. 7 10. 3 2. 6 13. 4	
44 45 46	12,810 10,561	25,134 22,138 48.49	11, 599 10, 535 55. 75	16, 296 14, 382 54. 40	21,896 19,361 38.58	16, 721 14, 082 14, 13	5,167 3,815 9.87	19,035 17,073 61.67	7, 623 5, 781 9, 22	37,326 34,177 76.02	25,337 22,696 55.43 £8.81	15, 289 12, 844 19, 72	
47	22.71 11.28	85.17	32, 21	16, 46	23.79	12.33	7.67	15.00	9. 22 6. 27	33. 68		10, 81	12.78
48 49	1,034 2,053,544	1,087 2,616,747	4,339 2,928,810 648,727	2, 555 4, 240, 461 649, 132	821 1,709,131 616,604	2, 119, 800 25, 809	342,089 11,885	3,805 5,950,238	372 585,892 618,659	1, 207 2, 826, 239	1,178 2,465,128	875, 229	
50 51 52 53	645,079 7,018 14,781 5,985	21,784 9,279 4,257	24, 961 5, 835 4, 804	20, 678 9, 047 5, 294	6,728 3,254 1,939	3,462 10,691 2,646	5, 143	6104,484 26,765 29,478 11,911	1,773 8,415 2,040 2,977	429, 929 2, 666 5, 887 2, 139 2, 442	18,977 7,197 3,761 2,654 2,649	13,594 2,255 4,773 1,628 1,827	
54 55 56	4,919 5,359 6,513	1,933 3,720 1,187 1,408	9,517 1,805 1,705	7, 252 2, 922 3, 765	1,623 1,012 823	3,520 2,590 2,400	1,415 1,120 1,308 2,089	16,092 8,784 10,429	1,581 1,228	2, 095 10, 850	$1,194 \\ 1,522$	1,152 1,959	
57 58	9,150 7,690	605, 378 8, 050	13,728	61,728,698 614,357	5,684	512,747 5,876	211, 324 1, 306	62,713,596 622,200 18,917	4 377, 606 2, 491 2, 053	6701,498 611,480 9,955	553,417 8,315 7,127	276,046 3,244 2,803 288	
59 60 61 62	1,037 423 834,467	6,993 695 362 884,500	12,611 733 384 1,355,510	614,357 11,818 1,120 61,555,290	4,869 587 228 573,051	5,078 525 278 464,472	1, 150 117 39 90, 724	2,003 1,250 6 2,334,909	242 196 165,930	906 589 51,497,792	907,487	288 153 278) 764	
63 64	503 390	2,319 2,157	398 388	5,442 5,032	2,096 1,922	1,675 1,409	168 142	3,655 3,149	91 76	2, 362 2, 250	3,955 3,501	800 726	
65 66 67	76 37 44,929	84 78 295,866	8 2 48,025	236 174 703,567	107 67 272,402	163 103 171,979	19 7 9, 985	288 218 491,410	7 8 7,055	66 46 407, 950	265 189 555,410	48 26 78,900	
68 69	22 4,610	23 2,800	28 620	31 7,835	20 6,670	23 7,880	670 8	103 20,534	26 1,155	60 10,310	10,480	31 3,515	
70 71 72	9,512 6,116 3,396	13,568 8,836 4,782	18,423 10,995 7,428	23,027 13,610 9,417	15,129 9,121 6,008	14,940 10,915 4,025 75,941	4,051 2,594 1,457 17,281	38, 192 23, 942 14, 250 301, 227	3,893 2,590 1,303 21,020	10,498 6,984 3,514 87,633	24,197 15,483 8,714 152,155	5,539 3,288 2,251 32,101	
73 74 75	58, 475 29, 922 18, 013	89,528 170,153 96,921 73,232	125, 448 65, 315 44, 095	158, 491 23, 252 15, 874	105,752 89,665 51,185	75,941 297,786 185,023	3, 813 2, 732	21, 184 14, 014	2,466 1,795 671	31,771 16,113	79, 446 49, 807 29, 639	67,662 40,344	
76 77	11,909 99,082	78, 232 737, 457	21, 220 224, 274	15,874 7,378 86,005	38,530 284,023	112,713 850,456	10,486	7,170 79,930	8,658	15,658 119,783	284, 627	27,318 204,939	
78 79	384 1,079	392 1,218	2,991 7,962	217 575	2,031	28,473 36,325	845 1,619	2,979 8,632	1,609 8,868	1,273	716 1,552	502 964	***************************************
80 81 82 83	43,413 22,568 2,775 8,700	74,683 39,384 256 795	1, 362, 399 821, 299 824 2, 615	128, 905 74, 116 2, 554 8, 423	68, 861 38, 690 2, 055 7, 728	59,852 37,089 780 1,630	7,712 4,729 98 417	191, 965 102, 352 9, 568 30, 627	15,989 9,114 363 1,061	60, 921 34, 216 23, 714 98, 118	76, 972 43, 326 2, 442 10, 472	27,936 18,661 149 410	

Includes Belgian hares, valued at \$200.
 Includes Belgian hares, valued at \$90.

⁵ Includes Belgian hares, valued at \$21. ⁶ Includes animals, age or sex not specified.

AGRICULTURE—CALIFORNIA.

TABLE 2.—NUMBER, ACREAGE, AND VALUE OF FARMS, CLASSIFIED BY TENURE, COLOR, [Comparative data for June 1, 1900, in italies.]

		THE STATE.	Alameda.	Alpine.	Amador.	Butte.	Calaveras.
1 2 3 4	FARMS OPERATED BY OWNERS Number of farms in 1900. Per cent of all farms in 1900. Per cent of all farms in 1900.	75.5	1,690 1,792 69.8 64.3	32 34 76.2 91.9	437 476 81.4 85.0	1,230 901 82.0 76.4	556 492 88. 0 85. 6
5 6 7	Land in farms acres. Improved land in farms acres. Value of land and buildings. dollars.	15, 125, 339 6, 464, 472 882, 447, 830	174,391 97,254 21,310,610	25,556 5,979 467,443	192,535 35,574 2,630,140	297, 289 150, 497 13, 636, 125	243,8 35 52,275 2,742,243
8	Degree of ownership: Farms consisting of owned land only. Farms consisting of owned and hired land. Color and nativity of owners:		1,447 243	30 2	376 61	1,072 158	465 91
10 11 12	Native white. Foreign-born white. Nogro and other nonwhite.	19,914	592 1,086 12	17 13 2	311 123 3	986 238 6	365 189 2
13 14 15 16	FARMS OPERATED BY TENANTS Number of farms in 1900. Per cent of all farms. Per cent of all farms in 1900.	16,760 20,6	646 896 26.7 32.1	19.0 2.7	89 73 16.6 13.0	217 220 14.5 18.7	69 74 10.9 12.9
17 18 19	Land in farms acres. Improved land in farms acres. Value of land and buildings dollars. Form of tenancy:	6,201,133 3,196,797 338,609,243	98, 155 67, 146 9, 443, 363	3,488 1,455 135,000	18,401 5,770 442,660	78,959 54,355 2,769,670	22,522 6,333 260,060
20 21 22 23	Share tenants Share-cash tenants Cash tenants Tenure not specified	704 9,737 1,572	183 22 386 55	7	.9 3 73 4	89 13 86 29	11 3 20 20
24 25 26	Native white Foreign-born white. Negro and other nonwhite.	10,505 5,565	217 376 53	5 3	66 21 2	171 30 16	50 16 3
27 28 29 30 31	FARMS OPERATED BY MANAGERS Number of farms. Number of farms in 1900 Land in farms. Improved land in farms. acres. Value of land and buildings. MORTGAGE DEBT REPORTS 3	3,253 6,604,972	86 99 38,781 12,914 3 ,246,790	2 2,960 145 17,000	11 11 80,794 5,625 770,020	53 58 114,529 42,245 5,280,200	7 9 5,044 496 38,000
32 33 34	For all farms operated by owners: Number free from mortgage debt. Number with mortgage debt. Number with no mortgage report. For farms consisting of owned land only: Number reporting debt and amount.	26 740	1,204 467 19	22 10	364 72 1	745 470 15	456 95 5
35 36 37 38	Number reporting debt and amount Value of their land and buildings. dollars Amount of mortgage debt. dollars Per cent of value of land and buildings.	250, 199, 190	384 3,691,870 958,687 26.0	87,050 30,800 35.4	62 347,628 86,515 24.9	385 3,325,191 807,233 24.3	71 357,205 95,080 26.6

¹ Change of boundary. (See explanation at close of text.)

TABLE 3.—LIVE STOCK PRODUCTS, AND DOMESTIC ANIMALS

	LIVE STOCK PRODUCTS Dairy Products						
1	Dairy cows on farms reporting dairy products	408, 812	8,649	747	2,450	3,374	1,634
2		315, 385	8,448	662	2,213	3,110	1,626
3		154, 901, 956	4,618,380	354, 767	743,667	1,070,818	514,701
4		45, 333, 432	2,245,633	600	42,520	124,068	36,215
5		3, 397, 061	61,325	7, 517	1,455	15,582	12,380
6		19, 176, 719	86,292	57, 343	130,888	76,755	1,600
7 8 9 10	Butter—Produced pounds. Sold pounds. Cheese—Produced pounds. Sold pounds. pounds.	15, 301, 871 10, 285, 583 2, 777, 873 2, 513, 815	252,603 108,356 675 560	28,613 24,685 500 300	68, 812 25, 040 32, 517 29, 351	124, 437 56, 902	51, 841 16, 579 2, 787 62
11	Value of dairy products, excluding home use of milk and creamdollars	20, 448, 977	580,130	30,970	76, 996	95, 501	36, 840
12		19, 083, 297	544,118	29,962	64, 338	77, 302	25, 299
13	Poultry—Raised number. Sold number. Eggs—Produced dozens Sold dozens Value of poultry and eggs produced dollars Receipts from sale of poultry and eggs dollars	7,096,339	230, 417	2,547	23, 628	94, 183	31, 410
14		3,678,208	121, 340	585	8, 408	45, 669	11, 161
15		35,907,973	1, 391, 728	8,904	142, 824	377, 598	107, 387
16		26,867,687	1, 089, 618	3,874	82, 997	218, 682	51, 613
17		12,703,948	471, 769	3,618	49, 621	158, 052	49, 802
18		8,786,282	340, 122	1,386	27, 272	95, 058	24, 185
19 20 21	Honey and Wax pounds. Wax produced pounds. Value of honey and wax produced dollars.	10, 264, 715 126, 445 665, 367	9,848 179 1,321	220	2,402 100 326	9,702 170 924	8,413 118 632
22 23 24	Wool, Mohair, and Goat Hair Wool, decess shorn	2, 275, 389 102, 134 2, 205, 928	5,783 4,930	6, 790 9, 561	7, 253 449 5, 882	38, 261 1, 749 33, 991	15, 677 517 11, 551
25	DOMESTIC ANIMALS SOLD OR SLAUGHTERED Calves—Sold or slaughtered	198, 005	4,447	217	1, 424	1,470	487
26		585, 239	5,523	1,100	6, 948	17,209	9,808
27		38, 071	580	14	152	723	204
28		560, 948	3,393	633	2, 986	8,462	3,240
29		875, 627	3,729	3,157	1, 182	16,295	4,720
30	Receipts from sale of animals. dollars Value of animals slaughtered. dollars	31, 130, 113	814, 415	55, 611	254, 523	701,900	262,882
31		2, 497, 007	20, 791	6, 752	25, 289	41,832	49,405

 $^{^2}$ Agricultural data for Indians on reservations in 1900 shown separately in last column of table.

AND NATIVITY OF FARMERS, AND MORTGAGE DEBT, BY COUNTIES: APRIL 15, 1910.

[Comparative data for June 1, 1900, in italics.]

	Colusa.	Contra Costa.	Del Norte.	Eldorado.	Fresno.1	Glenn.	Humboldt.2	Imperial.2	Inyo.	Kern,	Kings.1	Lake.
1 2 8 4	449 872 67.3 63.9	890 867 60.8 57.4	79 <i>92</i> 69. 3 70. 8	642 672 89. 7 88. 5	5,227 2,409 83.7 78.8	512 <i>360</i> 77.2 68.1	991 1,006 64.6 67.1	(1) 62.3 (1)	361 352 82, 4 83, 0	846 826 72.5 75.2	1, 391 654 75. 7 70. 2	484 678 80.3 79.9
5 6 7	316,673 210,216 11,583,985	166,989 111,723 12,588,440	22,322 8,186 907,580	188, 104 37, 089 2, 714, 895	555, 934 303, 655 53, 627, 075	307,592 180,993 9,584,020	333,543 51,670 8,607,088	136, 926 100, 155 11, 936, 025	68,256 27,831 3,956,276	372, 204 83, 639 8, 793, 860	202, 731 110, 492 17, 692, 101	149,872 31,125 3,876,105
8 9	306 143	727 163	69 10	602 40	4,749 478	418 94	865 126	699 125	847 14	756 90	1,170 221	407 77
10 11 12	361 86 2	436 442 12	50 26 3	490 141 11	3,339 1,769 119	387 125	585 348 58	684 90 50	254 83 24	622 216 8	1,037 339 15	371 111 2
13 14 15 16	201 203 30. 1 34. 9	502 582 34. 3 88. 5	30 <i>89</i> 26. 3 <i>2</i> 9. 8	68 81 9. 5 10. 7	739 784 11. 8 23. 8	135 150 20.4 28.4	497 438 32. 4 29. 2	(1) 31.8 (1)	73 63 16.7 14.9	263 238 22.5 21.7	390 234 21. 2 25, 1	107 133 17.7 18.4
17 18 19	181,108 103,427 4,761,985	187,918 121,150 12,856,910	11,855 3,721 549,600	19, 194 4, 066 297, 100	128, 754 96, 420 10, 814, 095	139, 246 102, 960 3, 559, 575	180, 251 43, 142 8, 125, 552	65, 145 57, 748 6, 292, 430	31,126 8,662 1,136,050	78,949 39,058 2,895,137	101,893 50,336 6,840,215	48,652 10,308 1,005,710
20 21 22 23	92 21 54 84	153 17 813 19	1 17 12	9 1 40 18	403 9 254 73	81 3 44 7	15 13 436 33	145 22 242 12	18 6 33 16	52 7 137 67	185 7 188 10	17 3 82 5
24 25 26	169 26 6	222 254 26	9 18 3	56 8 4	439 187 113	101 33 1	242 251 4	325 45 51	55 16 3	151 72 40	232 123 35	95 11 1
27 28 29 30 31	17 7 24,595 22,866 924,845	73 62 51,526 29,279 3,634,185	1,770 532 72,500	6 6 3,583 527 81,681	279 97 421, 928 190, 130 17, 556, 773	16 19 44,360 25,812 1,391,840	46 56 128,742 10,436 1,699,917	77 (1) 21,531 18,166 2,368,870	4 9 10,760 2,205 677,000	58 <i>34</i> 952, 197 102, 690 13, 525, 344	56 44 69,199 35,741 3,621,250	12 18,940 1,385 693,400
32 33 34	251 196 2	642 243 5	59 20	492 145 5	2,072 3,128 27	291 220 1	687 293 11	584 236 4	254 106 1	530 311 5	642 747 2	346 132 6
35 36 37 38	123 1,443,045 444,355 30.8	184 2,122,140 574,965 27.1	16 137, 300 44, 900 32. 7	127 567,100 101,878 28.5	2,734 24,983,327 6,888,563 25.6	170 1,703,360 403,568 23.7	230 2,436,615 611,134 25.1	2, 867, 600 697, 384 24. 3	96 1,184,200 227,142 19.2	256 2, 764, 650 751, 974 27. 2	5,888,820 1,541,090 26,2	107 847, 400 213, 200 25, 2

³ No mortgage reports were secured for farms operated by tenants and managers. (See explanation in text.)

SOLD OR SLAUGHTERED ON FARMS, BY COUNTIES: 1909.

- 1												
1 2 3 4 5	2,524 2,409 994,878 65,710 11,206 170,073	8,986 8,378 4,668,362 2,095,936 53,708 285,786	3,337 546 302,431 658,662 582	2,630 2,383 739,730 71,900 9,837 75	19,988 11,637 5,908,174 1,672,521 84,594 1,532,215	2,514 2,301 829,791 135,154 28,748 25,185	19,763 12,914 8,608,984 2,518,278 109,561 2,711,304	7,361 4,622 2,103,546 85,940 51,930 771,311	1,875 1,372 568,809 215,633 4,759 24,209	5, 280 4, 355 1, 892, 902 286, 061 122, 429 200, 872	17,376 16,654 8,078,271 268,498 448,917 1,329,936	1,232 1,181 550,160 132,681 6
7 8 9 10	75,829 30,762 272	226,976 125,685 9,790 9,450	461,808 452,709	176, 354 120, 388 3, 734 1, 290	514,946 159,126 41,210 39,485	86,762 31,836	475, 773 387, 608	71,581 21,738 1,400 1,400	116,304 86,970 5,426 3,926	73, 839 26, 655 30, 051 29, 531	78,295 12,840 139,000 135,000	92,723 89,407 200 50
11 12	96, 493 8 4 , 222	513, 585 486, 884	183,136 178,797	74, 999 59, 081	850,240 767,828	73,207 60,676	1,351,577 1,326,968	313,743 298,721	69,308 60,204	245, 601 231, 629	834,251 815,033	37,420 24,439
13 14 15 10 17 18	73, 034 31, 414 249, 229 139, 164 92, 466 55, 008	154, 332 66, 142 664, 951 504, 360 247, 618 165, 673	3,357 801 13,767 5,007 4,651 1,773	28, 499 12, 367 132, 910 74, 257 45, 411 24, 347	266,221 96,286 1,267,840 658,249 419,265 205,011	67,529 33,290 252,286 149,128 110,010 71,111	67,310 25,401 332,115 179,660 115,116 60,755	84,062 33,105 264,826 146,355 135,526 70,967	50,007 22,681 146,952 107,335 67,836 42,286	89, 520 38, 962 394, 130 240, 366 148, 062 84, 931	153,839 77,470 687,052 487,306 248,495 167,841	37,976 16,709 135,001 71,415 56,581 32,352
19 20 21	67, 689 798 5, 790	15,950 284 1,382	1,395 152	8,105 75 696	616,609 7,261 33,356	10,982 250 1,194	23,481 367 2,602	514,125 4,453 27,124	312,620 2,131 29,944	204, 920 2, 832 12, 159	238,791 3,148 12,028	5,105 43 455
22 23 24	73,221 4,009 56,620	14,715 10,869	1,238 40 2,070	3,808 933 3,504	107,802 1,900 109,982	131,612 5,177 101,749	85, 212 2, 540 104, 430	12,755 26 17,067	17,847 505 27,761	24,177 355 26,540	73,393 26 58,836	10,372 6,603 12,922
25 26 27 28 29	1,876 7,415 595 17,865 32,698	4,675 6,835 679 5,820 11,240	374 727 6 1,191 439	912 4,727 89 1,948 1,221	7,930 22,442 1,904 24,140 42,286	1,129 6,639 548 9,520 31,967	8,899 11,855 243 10,748 12,504	1,649 19,305 1,894 59,063 5,682	187 6,090 580 2,394 18,408	4,244 23,692 574 9,545 21,736	6,463 9,348 927 36,751 21,095	585 2,990 155 6,114 3,396
30 31	538,903 54,361	326, 350 48, 791	23,964 6,111	120,201 33,265	1,324,168 89,080	413, 709 58, 528	487, 384 62, 917	1,701,217 9,661	297, 054 44, 574	1,015,548 62,346	932,227 46,144	140, 122 20, 863

AGRICULTURE—CALIFORNIA.

TABLE 2.—NUMBER, ACREAGE, AND VALUE OF FARMS, CLASSIFIED BY TENURE, COLOR, AND [Comparative data for June 1, 1900, in italics.]

				, ,					
		Lassen.	Los Angeles.	Madera.	Marin.	Mariposa.	Mendo- cino.1	Merced.	Modoc.
	FARMS OPERATED BY OWNERS								
1 2 3 4	Number of farms in 1900. Per cent of all farms . Per cent of all farms . Per cent of all farms in 1900.	<i>453</i> 82, 5	5,599 4,825 70.7 73.4	419 <i>357</i> 73. 1 <i>68. 3</i>	196 <i>162</i> 39. 4 <i>35.</i> 1	292 337 88. 5 88. 5	1,069 1,178 78.8 80.8	1,405 668 75.7 66.9	594 <i>502</i> 80. 7 78. 7
5 6 7	Land in farms	230,413 92,428 5,624,292	332,454 206,046 108,365,447	218,015 134,749 5,139,858	45,102 24,102 2,764,575	182,152 33,238 1,749,442	437,350 53,402 7,909,212	432,040 303,964 17,199,969	299, 576 113, 727 6, 050, 775
8 9	Farms consisting of owned land only. Farms consisting of owned and hired land. Color and nativity of owners:	374 40	4,805 794	351 68	183 13	266 26	955 114	1,128 277	518 76
10 11 12	Native white. Foreign-born white. Negro and other nonwhite.	334 67 13	4,332 1,236 31	301 104 14	71 125	218 61 13	758 287 24	795 597 13	505 72 17
	FARMS OPERATED BY TENANTS								
13 14 15 16	Number of farms. Number of farms in 1900. Per cent of all farms. Per cent of all farms in 1900.	Na.	1,968 1,860 24.9 20.7	131 <i>148</i> 22. 9 <i>28. 3</i>	291 287 58. 4 62. 1	34 42 10. 8 11. 0	240 240 17. 7 16. 5	393 306 21. 2 30. 6	115 116 15. 6 18. 2
17 18 19	Land in farms acres. Improved land in farms acres. Value of land and buildings dollars. Form of tenancy:	33,029 16,134 780,800	213,450 161,281 55,841,817	201,055 184,434 4,957,655	207, 001 61, 462 6, 912, 780	17,905 3,509 1 31,838	125, 455 20, 814 2, 475, 562	212,285 134,422 7,581,287	50,366 24,904 1,339,640
20 21 22 23	Share tenants Share-eash tenants Cash tenants Tenure not specified		413 63 1,297 195	101 17 12	7 1 274 9	5 24 5	33 3 174 30	199 11 156 27	67 1 43 4
24 25 26	Tenure not specified. Color and nativity of tenants: Native white Foreign-born white. Negro and other nonwhite.	64 7	1,059 319 590	101 21 9	61 230	31 2 1	170 67 3	218 170 5	110 5
	FARMS OPERATED BY MANAGERS							-	
27 28 29 30 81	Number of farms	17 30 32,286 13,495 692,200	352 392 212,081 51,671 27,945,807	23 18 201,593 71,903 2,937,720	11 13 11, 339 7, 551 864, 100	6,002 270 212,000	47 <i>59</i> 158, 520 8, 362 2, 205, 800	58 25 517,842 169,356 17,604,655	27 <i>20</i> 60,192 26,153 992,850
	MORTGAGE DEBT REPORTS 3					-			
32 33 34	For all farms operated by owners: Number free from mortgage debt. Number with mortgage debt. Number with no mortgage report. For farms consisting of owned land only:	100	3,176 2,321 102	294 114 11	118 73 5	242 39 11	796 266 7	613 782 10	432, 159 3
35 36 37 38	Number reporting debt and amount. Value of their land and buildings dollars. Amount of mortgage debt. dollars. Per cent of value of land and buildings.	108 1,464,400 272,163 18.6	1,889 31,540,310 6,465,025 20.5	77 1,182,365 190,817 16.1	65 664,175 259,074 39.0	35 250,720 52,275 20.8	225 1,832,841 453,647 24.8	584 6,570,345 1,409,143 21.4	130 1,786,230 354,669 19.9

 $^{^{1}}$ Agricultural data for Indians on reservations in 1900 shown separately in last column of table.

TABLE 3.—LIVE STOCK PRODUCTS, AND DOMESTIC ANIMALS

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	LIVE STOCK PRODUCTS								
	Dairy Products								1
12345	Dairy cows on farms reporting dairy products number. Dairy cows on farms reporting milk produced number. Milk—Produced gallons. Sold gallons gallons. Grean sold gallons. Butter fat sold pounds.	2,701 1,447 531,988 81,590 1,820	16,155 14,920 8,447,162 7,029,161 13,404	1,233 619 186,821 185,712 8,829	24, 534 17, 889 8, 575, 850 3, 076, 945 174, 069	637 620 84,728 1,130 1,600	5,547 5,014 2,030,479 789,657 4,468	17,185 12,080 6,700,019 144,831 84,374	2,641 2,591 808,920 18,624 2,038
6		, 9,062	1,480		225, 545	•••••	39, 172	2,710,996	26,003
7 8 9 10 11	Butter—Produced. pounds. Sold. pounds. Cheese—Produced pounds. Sold pounds. Yalue of dairy products, excluding home use of milk and	279, 685 208, 835 160	823,374 135,263 1,643 600	48, 459 22, 637	2, 289, 217 2, 240, 638 101, 743 100, 938	12,758 2,712	355,048 222,894 1,357 383	94,602 19,276 200,840 198,750	153, 175 55, 286 3, 680 3, 330
12	Sold. pounds. Value of dairy products, excluding home use of milk and cream. Receipts from sale of dairy products. dollars.	85,532 67,698	1,415,144 1,362,257	46,284 39,624	1,295,606 1,280,315	6,590 3,731	189, 528 158, 117	1,009,740 990,716	51, 371 26, 450
						'			
13 14 15 16 17 18	Poultry Products Foultry—Raised number Sold number Eggs—Produced dozens Sold dozens Value of poultry and eggs produced dollars Receipts from sale of poultry and eggs dollars	28, 907 11, 982 106, 897 37, 455 41, 289 16, 678	586,566 382,775 2,332,397 1,786,385 951,299 699,807	28, 137 9, 967 67, 932 29, 766 29, 336 11, 283	141, 629 74, 114 1, 465, 911 1, 363, 649 422, 837 365, 217	19,583 8,495 49,728 19,556 28,844 16,617	64, 935 28, 745 337, 781 160, 251 121, 577 67, 074	136, 305 44, 589 454, 115 306, 958 184, 810	38, 112 12, 888 134, 731 37, 087 48, 337 17, 333
		20,010	000,001	11,200	000, 211	10,017	07,074	109,884	11,000
19 20 21	Honey and Wax Honey produced pounds. Wax produced pounds. Value of honey and wax produced dollars.	5,642 5 643	1,289,820 15,501 93,569	16,439 370 1,052	205 55 49	300 25 51	6,090 34 667	204,098 3,150 10,993	19,796 232 2,055
	Wool, Mohair, and Goet Hair			_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-	0.		10,000	2,000
22 23 24	Wool, fleeces shornnumber Mohair and goat hair, fleeces shornnumber Value of wool and mohair produceddollars	36,768 2,088 55,154	31,754 230 32,366	4,905 60 2,272	2,823 2,816	355 154 376	149, 260 2, 315 158, 918	46,908 8,400 39,400	39, 538 1, 356 55, 583
	DOMESTIC ANIMALS SOLD OR SLAUGHTERED								
25 26 27 28 29	Calves—Sold or slaughtered number. Other cattle—Sold or slaughtered number. Horses, mules, and asses and burros—Sold number. Swine—Sold or slaughtered number. Sheep and goats—Sold or slaughtered number.	968 17,081 1,417 4,504 23,853	7,736 7,198 919 22,157 5,015	744 4,981 302 3,797 442	17, 201 1, 663 81 8, 384 397	148 4,799 82 5,405 542	1,687 8,577 325 13,073 19,023	8, 181 32, 880 967 28, 662 34, 424	2,548 27,068 3,487 6,943 33,168
30 31	Receipts from sale of animals dollars. Value of animals slaughtered dollars	746,769 68,782	710,569 63,561	224,774 12,739	196, 947 32, 917	166,767 17,659	346, 864 103, 675	1,669,927 43,405	1, 184, 669 66, 01 6

² Change of boundary. (See explanation at close of text.)

NATIVITY OF FARMERS, AND MORTGAGE DEBT, BY COUNTIES: APRIL 15, 1910—Continued. [Comparative data for June 1, 1900, in italies.]

	Mono.	Monterey.	Napa.	Nevada.	Orange.	Placer.	Plumas.	Riverside.	Sacra- mento.	San Benito.	San Bernardino.	San Diego. ³	San Francisco.
1 2 3 4 5 6 7	75 98 82.4 87.5 49,072 16,430 717,713	1,063 1,199 64.1 64.8 591,593 189,291 14,123,996	1,166 899 75.9 67.3 204,788 55,665 9,863,544	476 455 87.5 88.3 147,936 21,412 2,072,927	2,531 1,877 80.0 78.4 135,784 94,505 41,113,475	748 807 70. 4 75. 0 192, 459 67, 121 5, 832, 709	183 \$20 82.8 \$2.4 101,601 40,925 2,209,760	2,291 1,747 85.2 74.7 299,991 199,041 32,438,787	1, 011 889 63.1 68.9 292, 725 152, 258 18, 965, 395	653 696 70.9 76.7 346,502 125,914 7,738,952	2,532 1,867 85.9 79.4 121,896 85,661 48,500,546	1,845 2,231 80.3 82.7 569,826 150,677 18,896,972	82 161 52.2 63.0 992 644 1,143,700
8	69 6	844 219	1,074 92	426 50	2,101 430	653 95	166 17	1,918 373	868 143	551 102	2,189 343	1,359 486	75 7
10 11 12	32 38 5	639 422 2	754 412	303 168 5	1,899 626 6	506 228 14	123 57 8	1,744 446 101	638 350 23	438 215	2,021 500 11	1, 251 497 97	18 64
13 14 15 16 17 18 19	13 10 14.3 8.9 6,000 4,287 117,250	534 600 32.2 58.4 258,258 142,649 10,890,810	297 325 19.3 24.3 90,310 20,413 3,553,300	55 78 10.1 14.9 13,926 2,498 252,650	506 437 16.0 18.3 142,104 79,526 12,321,300	291 246 27. 4 22. 9 46, 018 26, 967 2, 854, 175	28 40 12.7 15.0 21,588 10,789 368,150	293 275 10.9 11.8 98,774 55,401 3,738,275	532 457 33.2 52.8 125,108 83,291 11,123,325	233 189 25.3 20.8 103,403 47,704 3,751,714	183 207 6. 2 8. 8 27,130 15,982 3,640,110	360 310 15.7 11.5 126,752 62,907 4,241,935	69 155 43.9 44.4 1,091 910 1,236,870
20 21 22 23	5 8	249 25 251 9	68 5 204 20	5 48 2	271 17 200 18	59 6 211 15	2 19 7	134 11 95 53	195 • 13 295 29	104 11 84 34	91 6 67 19	115 30 180 35	4 38 27
24 25 26	9 4	248 239 47	201 92 4	37 13 5	361 67 78	95 31 165	23 5	230 46 17	201 124 207	152 65 16	156 22 5	266 73 21	53 8
27 28 29 30 31	3 4 60,600 22,665 907,550	61 51 297, 565 39, 569 5, 048, 922	74 112 56,482 16,036 3,035,282	13 <i>9</i> 13,536 632 156,240	128 80 93,804 15,432 7,178,775	23 23 9, 003 4, 520 460, 700	10 7 11,070 2 ,567 155,900	104 <i>\$18</i> 122, 041 23, 649 6, 853, 279	58 40 55,211 40,133 3,542,100	35 22 94,396 12,955 1,123,345	234 276 59,370 34,982 13,779,550	93 157 137,848 20,461 4,133,207	6 8 8 8 8 43,330
32 33 34	63 12	749 295 19	750 411 5	898 76 2	1,294 1,228 9	478 269 1	131 51 1	1,279 996 16	673 326 12	385 262 6	1,844 1,178 10	1,339 501 5	57 14 11
85 36 37 38	230,900 52,350 22.7	3,002,171 755,391 25.2	358 2,905,375 745,253 25.7	63 260, 165 56, 270 21. 6	957 12,557,760 2,934,955 23.4	1,614,735 371,680 23.0	566,940 113,354 20.0	816 11,969,410 2,953,463 24.7	273 3,894,145 840,241 21.6	210 2,354,830 767,233 32.6	961 17, 434, 500 3, 958, 213 22, 7	342 3,235,500 732,270 22,6	126,600 30,250 23.9

a No mortgage reports were secured for farms operated by tenants and managers. (See explanation in text.)

SOLD OR SLAUGHTERED ON FARMS, BY COUNTIES: 1909—Continued.

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							•						
1 2 3 4 5	335 290 80,000 25 259	11,925 5,614 2,551,454 3,149,126 133,678 87,358	5,788 5,620 2,869,707 576,097 54,943 24,631	2,283 2,180 815,620 117,834 2,590 4,257	5,281 4,428 2,261,110 991,749 27,657 60,208	1,967 1,940 633,380 97,290 6,631 4,472	3,293 2,107 1,181,942 11,550 14,121 171,252	4,179 3,376 1,643,799 632,732 33,804 83,363	7,832 4,837 2,096,379 762,339 65,912 173,434	3,875 3,553 1,669,029 395,156 56,242 67,463	2,517 2,436 1,371,926 411,176 14,032 3,550	9,918 8,003 3,444,962 995,487 21,432 293,884	1,350 1,045 792,138 911,108 730
7 8 9 10	30,202 17,455	286, 450 197, 820 59, 680 3, 240	381,930 240,258 35,826 33,500	158,271 100,629 1,970 535	333,283 157,925 50	108,876 49,002 30,545 30,005	237, 330 198, 234 2, 500 230	312, 248 232, 836 650 250	164,427 124,767 497,064 493,044	74, 131 19, 543 137, 685 131, 635	207,745 89,630 362	575,662 395,616 2,895 1,695	144 48
11 12	9,155 4,890	620,934 588,469	242,846 208,809	86,513 69,775	290,247 241,741	63, 203 46, 794	121,255 111,267	239, 917 215, 747	396,539 384,557	160, 426 145, 537	160,151 123,555	474,779 423,545	158,014 157,971
13 14 15 16 17 18	2,559 842 4,541 1,359 2,988 946	123,743 52,219 751,177 560,904 231,683 156,320	105, 428 55, 687 662, 159 482, 350 218, 003 153, 300	35,776 19,041 150,596 81,072 63,612 35,325	239,536 128,276 1,198,290 932,362 414,692 293,786	62, 151 30, 678 235, 606 120, 720 110, 974 66, 737	15, 163 5, 147 48, 511 22, 904 22, 206 10, 707	95, 767 39, 153 438, 099 285, 799 183, 490 108, 014	144,704 67,783 666,906 482,465 249,821 168,428	79, 550 45, 331 696, 264 561, 433 225, 891 178, 121	105,606 41,433 579,685 301,194 228,998 114,223	174,778 80,750 921,117 700,206 357,579 240,609	196,020 138,600 110,057 90,589 126,595 111,826
19 20 21	20,355 425 2,049	177,279 2,619 14,708	8,939 204 942	5,452 42 779	325,656 2,764 18,525	7,338 80 814	2,280 5 308	902, 106 12, 915 62, 337	55,272 160 5,393	68, 253 773 5, 671	363,025 5,983 23,466	1,559,607 18,589 89,401	
22 23 24	29,160 41,209	24,884 3,000 26,549	9,955 153 7,196	10,607 1,043 8,382	62,072 51,474	28,841 177 21,728	593 767	4, 536 13 2, 600	41,103 7 35,449	19, 457 33 18, 974		155 60 195	3
25 26 27 28 29	625 3,567 90 68 19,240	5,899 15,714 931 14,782 17,081	3,925 4,823 508 6,369 4,104	1,246 2,286 105 1,969 5,493	2,561 2,646 384 1,993 19,271	1,140 3,069 216 3,185 10,235	550 4,143 87 1,290 325	2, 223 5, 930 774 4, 055 2, 185	5,762 7,893 547 5,673 37,170	2,122 10,884 563 11,236 6,824	798 2,039 663 2,125 31	3,822 13,917 682 5,298 187	674 78 83
30 31	197,847 21,341	833, 917 71, 129	261,042 34,634	95, 121 22, 217	266,105 8,631	156,894 19,301	141,717 9,945	328,638 36,430	462,442 93,021	570,893 31,311	170,023 20,300	570,309 44,457	6,685 1,413

AGRICULTURE—CALIFORNIA.

TABLE 2.—NUMBER, ACREAGE, AND VALUE OF FARMS, CLASSIFIED BY TENURE, COLOR, AND [Comparative data for June 1, 1900, in Italics.]

		San Josquin.	San Luis Obispo.	San Mateo.	Santa Barbara,	Santa Clara.	Santa Cruz.	Shasta.	Sierra.
	FARMS OPERATED BY OWNERS								
1 2 3 4	Number of farms Number of farms in 1900. Per cent of all farms Per cent of all farms in 1900.	60.9	1,056 1,167 61.6 64.4	302 206 45. 4 53. 7	764 <i>654</i> 56. 4 56. 9	3,622 2,997 76.6 75.0	1,088 865 74.2 67.9	839 1,004 83.1 82.2	93 <i>138</i> 84. 5 <i>94. 3</i>
5. 6 7	Land in farms	443,034 344,881 37,546,833	604,883 138,615 11,546,274	44,834 29,717 6,262,020	227,341 83,570 15,647,570	300, 220 138, 204 41, 822, 317	95,945 43,607 11,288,085	316,364 81,693 5,174,049	59,409 22,552 897,100
8	Farms consisting of owned land only. Farms consisting of owned and hired land. Color and nativity of owners:	1,850 520	695 361	259 43	549 215	3,057 565	973 115	754 85	72 21
10 11 12	Native white Foreign-born white Negro and other nonwhite	716	586 469 1	141 158 3	535 219 10	2,193 1,416 13	639 446 3	673 139 27	65 27 1
	FARMS OPERATED BY TENANTS								
13 14 15 16	Number of farms Number of farms in 1900. Per cent of all farms Per cent of all farms in 1900.	799 711 24,3 36,2	616 597 35. 9 32. 9	316 239 47. 5 43. 4	504 429 37.2 37.3	877 703 18. 5 17. 6	329 365 22. 4 \$8. 6	154 199 15. 2 16. 3	12 6 10.9 4.8
17 18 19	Land in farmsacres	240,937 218,313 18,609,236	357,032 90,217 8,209,927	99,142 61,099 10,161,785	315,236 85,172 11,608,624	252,890 69,491 13,654,122	41,450 18,341 3,637,120	61,722 12,404 704,100	7,721 2,872 82,600
20 21 22 23	Share tenants. Share-cash tenants. Cash tenants. Tenure not specified Color and nativity of tenants:	411 31 296 61	195 42 374 5	26 12 243 35	159 47 293 5	341 37 467 32	81 7 229 12	21 4 107 22	1 1 10
24 25 26	Nativo white Foreign-born white Negro and other nonwhite	446 241 112	305 294 17	99 206 11	280 203 21	366 378 133	179 127 23	138 9 7	8 4
	FARMS OPERATED BY MANAGERS								
27 28 29 30 31	Number of farms. Number of farms in 1990. Land in farms. Improved land in farms. Acres Value of land and buildings. dollars.	117 58 79,077 48,668 5,429,480	42 49 626,745 98,096 7,125,621	47 16 16,679 9,984 3,031,180	87 66 577,898 46,810 11,305,078	232 295 181,709 29,475 6,531,804	19,913 4,927 1,478,400	17 18 11, 132 2, 120 876, 680	5 2 17,090 5,370 245,000
	MORTGAGE DEBT REPORTS 2								
32 33 34	For all farms operated by owners: Number free from mortgage debt. Number with mortgage debt. Number with no mortgage report. For farms consisting of owned land only:	1,181 1,172 17	710 341 5	249 47 8	533 227 4	2,092 1,500 30	671 410 7	658 177 4	72 21
35 36 37 38	Number reporting debt and amount. Value of their land and buildings dollars. Amount of mortgage debt. dollars. Per cent of value of land and buildings.	887 8 729 805	193 1,779,070 489,925 27.5	610,350 103,505 17.0	2,790,140 706,315 25.3	1,186 11,700,415 3,391,948 29.0	3,667,630 815,705 22, 2	919,980 211,200 23.0	17 160,500 48,350 30.1

 $^{^{1}}$ Agricultural data for Indians on reservations in 1900 shown separately in last column of table.

TABLE 3.-LIVE STOCK PRODUCTS, AND DOMESTIC ANIMALS

	LIVE STOCK PRODUCTS. Dairy Products	•							
1	Dairy cows on farms reporting dairy products. number. Dairy cows on farms reporting milk produced number. Milk—Produced gallons. Sold. gallons. Cream sold gallons. Butter fat sold pounds.	10,603	22,945	6,982	10, 151	10,300	3,678	2,059	1,464
2		9,150	15,958	5,490	6, 147	9,183	3,456	1,958	1,369
3		4,598,234	5,867,540	3,539,461	3, 144, 697	5,356,740	1,701,740	695,760	579,668
4		863,252	283,214	2,963,928	232, 185	2,850,984	358,724	81,815	47,533
5		135,228	343,875	16,957	236, 960	75,114	14,349	518	4,062
6		454,756	224,820	1,584	292, 759	74,480	25,195	2,732	46,582
7 8 9 10	Butter—Produced	341,820 156,729 93,630 66,228	1,369,563 1,204,660 169,350 166,505	91,997 57,159 64,751 39,550	244,632 145,486 25,665 23,330	320,236 133,461 577,350 539,521	224,392 116,399 227,905 167,865	137,723 57,558	135,938 118,347 1,318 70
12		498, 808 449, 884	754, 465 709, 127	555,332 541,965	394, 516 368, 211	719,503 664,278	184,890 147,807	55,829 35,114	62,936 56,807
13	Poultry—Raised. number. Sold. number. Eggs—Produced. dozens. Sold. dozens. Value of poultry and eggs produced. dollars. Receipts from sale of poultry and eggs. dollars.	212, 434	109,871	43,946	91, 159	. 233,729	79,015	52,607	6,993
14		96, 198	45,539	21,262	40, 019	116,113	39,886	21,493	2,123
15		955, 501	840,405	236,642	407, 168	1,166,782	577,989	199,858	24,877
16		596, 929	630,399	189,361	283, 237	759,224	435,418	84,912	9,652
17		337, 417	243,244	82,139	151, 719	• 410,877	188,542	73,767	11,788
18		200, 592	169,182	57,688	92, 454	252,708	138,227	34,494	4,415
19	Honey and Wax Honey produced	104,645	177,342	5,458	288,875	77,252	11,032	8,466	2,081
20		3,459	1,983	193	4,060	842	98	185	10
21		6,565	11,374	810	16,678	6,203	1,207	1,013	220
22 23 24	Wool, fleeces shorn	20,477 37 14,114	64,719 4,758 52,868	1,013 26 1,162	27,787 68 26,308	4,765 3,596	799 630 1,444	17,862 11,606 25,705	2,333 3,940
25	Calves—Sold or slaughtered	6,285	10,222	4,421	3,099	6,964	2,446	584	61
26		12,104	27,792	2,600	18,016	12,834	3,630	11,731	4,351
27		1,690	1,042	266	845	683	318	284	155
28		17,732	14,278	6,198	13,870	6,041	3,013	8,557	683
29		6,605	11,999	563	16,116	1,983	9,586	12,432	2,960
30	Receipts from sale of animals dollars. Value of animals slaughtered dollars.	719,580	1,165,961	185,667	962, 245	578,250	224,682	420,691	186, 928
31		81,272	122,647	31,395	19, 381	29,832	41,073	58,636	9, 110

AGRICULTURE—CALIFORNIA.

NATIVITY OF FARMERS, AND MORTGAGE DEBT, BY COUNTIES: APRIL 15, 1910—Continued.

• [Comparative data for June 1, 1900, in italies.]

<u></u>	Siskiyou.	Solano.	Sonoma.	Stanislaus.	Sutter.	Tehama.	Trinity.	Tulare.1	Tuolumne.	Ventura.	Yolo.	Yuba.	Indian , res.
1 2 3 4 5 6 7	948 816 85.1 87.6 357,587 141,602 9,531,155	773 709 67.6 61.6 329,947 210,959 16,691,850	3,771 2,629 79.0 71.5 427,263 145,042 34,202,473	2,200 611 81.9 64.2 422,014 324,930 28,443,514	674 518 77.2 70.5 262,577 145,149 12,155,262	810 80.8 80.6 76.1 482,565 84,827 6,432,816	274 252 89. 0 92. 6 79, 078 10, 827 972, 425	3, 307 1, 620 82. 2 73. 2 792, 079 345, 835 47, 844, 619	342 400 88.0 87.5 165,627 33,186 1,984,825	895 889 69. 2 70. 1 295, 175 111, 729 27, 274, 505	887 70.7 70.0 256, 282 196, 930 17, 980, 015	332 374 76.1 77.4 176,096 71,064 3,679,066	270 .04.1
8	854 94	599 174	3,594 177	1,784 416	504 170	735 75	259 15	2,725 582	312 30	604 291	683 204	260 72	
10 11 12	715 190 43	449 314 10	2,170 1,597 4	1,544 652 4	551 118 5	638 165 7	206 54 14	2,652 612 43	212 128 2	676 218 1	676 201 10	254 78	
13 14 15 16 17 18 19	129 98 11. 6 10. 5 65, 145 30, 537 1, 388, 490	322 571 28. 2 38. 2 127, 546 88, 378 7, 011, 471	888 900 18.6 24.5 240,325 71,213 11,742,480	441 \$09 16. 4 \$2. 5 179, 333 149, 131 7, 872, 958	181 211 20.7 29.0 70,557 45,711 3,262,415	164 221 16.3 20.9 137,059 49,729 2,180,705	27 17 8.8 6.3 8,545 1,168 107,990	496 518 12.3 23.4 131,285 83,713 8,124,870	34 40 8.8 8.8 22,283 2,281 176,300	346 331 26.8 26.1 101,283 63,929 10,426,245	325 309 25. 9 25. 5 157, 070 87, 213 7, 971, 040	96 95 22.0 19.7 58,948 20,484 1,380,410	0.7
20 21 22 23	39 54 36	104 17 197 4	150 22 461 255	239 16 147 39	64 27 88 2	35 4 103 22	3 6 16 2	212 27 233 24	2 18 14	253 25 60 8	167 17 137 4	20 4 65 7	
24 25 26	103 25 1	133 128 61	488 383 17	296 142 3	133 30 18	135 21 8	22 1 4	400 79 17	22 12	244 82 20	225 44 56	77 12 7	
27 28 29 30 31	37 17 33,144 14,008 845,100	48 71 17,373 11,115 1,600,300	113 147 77,056 32,016 4,326,540	46 51 48, 045 38, 128 2, 328, 246	18 4 52,328 8,650 1,484,100	32 \$1 295, 603 52, 086 5, 553, 300	3,687 1,305 94,700	218 7,4 121,867 77,476 12,681,517	10 17 5,162 940 70,300	52 49 153,741 38,210 6,490,510	48 55 50, 031 33, 125 2, 532, 932	8 14 14,064 2,702 540,700	18
32 33 34	688 251 9	441 328 4	2,254 1,498 19	890 1,301 9	362 307 5	518 288 4	288 40 1	1,778 1,511 18	269 71 2	497 393 5	482 397 8	248 83 1	
35 36 37 38	210 2,760,855 683,580 24.8	237 8,732,565 992,293 26.6	1,399 11,018,235 3,009,142 27,3	972 9,721,155 2,394,773 24.6	225 3,076,708 785,106 25.5	241 2,061,515 543,842 26.4	36 221, 425 51, 498 23. 3	1,197 15,911,023 3,263,701 20.5	63 378,650 98,677 26,1	6,013,275 1,098,618 18.3	283 4, 329, 746 1, 154, 656 26. 7	50 417, 430 114, 374 27. 4	

² No mortgage reports were secured for farms operated by tenants and managers. (See explanation in text.)

SOLD OR SLAUGHTERED ON FARMS, BY COUNTIES: 1909—Continued.

1 2 3 4	6, 162 5, 365 2, 215, 438	9,048 8,915 3,590,528 1,089,424 33,171 282,084	23,054 - 17,426 8,913,051 2,346,026 257,085 394,096	17, 136 87,895 5, 492, 579 1, 243, 844 119, 831 2, 363, 193	6,319 4,948 2,082,758	2,863 2,696 898,137 123,967 3,823 33,552	694 640 162,624 435	23,044 19,086 10,494,695 183,875 153,401	1,387 861 207,770 50,626	2,451 2,152 953,045 67,641 5,196	5, 858 4, 399 2, 564, 036	1,720 1,471 511,601	
5 6	2, 215, 438 198, 032 25, 056 266, 719	1,089,424 33,171 282,684	2,346,026 257,085 394,096	1,243,844 119,831 2,363,193	2,082,758 489,220 46,893 277,709	3,823 33,552	400	153,461 2,690,587	714 2,600		2,564,036 753,917 162,392 319,693	511, 601 119, 461 15, 207 33, 084	
7 8 9 10	254,999 163,101 39,470 35,720	381,903 275,609 873 724	1,192,532 879,895 211,319 207,012	154, 998 61, 256 2, 125 2, 000	183, 527 89, 104	182,953 102,933	46,277 21,885	201,880 44,002 16,850 16,750	35, 522 14, 282 155	267,905 142,134	88, 338 32, 649	40,673 10,344 900	
11	218, 209	388,472	911,873	1, 216, 976	241,332	86,839	14,812	983,432	25, 276	97,762	396, 490	48, 454	
12	191, 448	361,475	840,165	1, 190, 228	217,430	67,604	7,220	942,746	18, 901	64,912	382, 326	40, 583	
18	57, 444	06, 403	1,512,601	121, 677	101, 908	96,134	10,800	204, 167	22, 710	61,703	84,010	44, 202	
14	20, 839	26,018	999,877	56, 524	50, 556	53,029	4,591	73, 443	9, 894	20,431	30,153	23, 844	
15	254, 107	426, 261	9,470,880	648, 248	420, 198	306,452	31,791	1, 033, 110	94, 507	372,111	347,209	111, 892	
16	107, 727	274, 549	8,943,850	339, 180	301, 370	189,294	7,440	646, 099	49, 907	172,489	207,276	59, 439	
17	93, 177	128, 295	3,038,518	237, 685	167, 240	149,168	15,957	325, 658	36, 457	124,710	131,892	66, 938	
18	39, 592	76, 580	2,522,293	132, 380	113, 830	104,666	5,932	183, 452	19, 351	55,736	76,559	43, 838	
19 20 21	85,322 324 8,317	2,873 491	7,014 44 941	01, 592 1, 371 5, 160	76, 812 745 4, 909	15,779 115 1,198	1,605 15 207	290, 435 4, 748 17, 434	12,310 65 879	1,839,986 20,918 109,785	106, 982 1, 125 8, 313	545 10 83	
22	14,975	157,499	75,925	22, 837	149,821	336,373	2,603	33,150	1,408	21,465	82,602	63,383	
23	134	3	2,330	50	800	36,119	44	510	177	400	316	208	
24	23,038	161,312	74,951	22, 700	110,738	349,689	1,892	35,218	996	14,306	76,497	45,777	
25	1,735	5,233	12,664	6, 107	3,053	1,068	43	8,583	664	1,027	5,215	1,003	
26	40,651	4,555	6,486	11, 632	5,093	9,596	3,174	84,808	4,306	15,257	6,433	6,351	
27	547	862	638	2, 175	565	578	18	1,981	102	626	1,509	190	
28	7,234	8,099	10,242	17, 286	11,303	5,520	1,488	39,591	1,911	5,984	24,365	2,744	
29	15,686	67,376	10,979	16, 396	80,502	73,718	71	11,256	844	8,850	33,520	23,420	
30	1,655,950	594, 201	427,511	905, 059	603, 534	542,031	78, 488	1,705,826	126,632	727, 063	793,395	306,722	
31	149,915	49, 443	44,787	53, 702	34, 290	50,397	15, 086	92,823	9,450	28, 076	54,907	17,191	

${\bf AGRICULTURE-CALIFORNIA.}$

TABLE 4.—VALUE OF ALL CROPS AND PRINCIPAL CLASSES THEREOF, AND

·		THE STATE.	Alameda.	Alpine.	Amador.	Butte.	Calaveras.	Colusa
VALUE OF ALL CROPS								
Total	dollars	153,111,013 28,039,826	4,276,967 394,907	83,206 25,833	452,270 55,405	2,364,515 556.107	409,168 7,881	2,164 1,578
Cereals	dollars	28,039,826 7,318,211 42,187,215 12,121,958	31,257 1,547,119	49,147	90 229,982	556,107 767 806,735	755 217,191	36 340
John grains and seeds Hay and forage Vegetables Fruits and nuts All other crops	dollars	12,121,958	810 698 1	3,291 1,444	41,583	55,314 797,893	58,093	30
Fruits and nuts	dollars	50,706,869 12,736,934	806,977 686,079	1,444 3,483	59,559 65,651	797,893 147,699	53,368 71,880	129 49
SELECTED CROPS (acres and quantity)						· · · · · · · · · · · · · · · · · · ·		
Cereals:	acres	1,970,492	15,958	791	3,561	40,799	466	105
Corn	bushels	39,105,917 51,935	561,982 503	28,218	78,929 301	651, 260 359	9,217	2,251
	bushels	1,273,901	13,097	135	12,526	$14,856 \\ 1,432$	1,776 108	16
1	bushels l	192,158 4,143,688	1,725 $53,745$	7,274	1,354 30,813	54, 685	2,121	12
Wheat	bushels	478, 217 6, 203, 206	1,075 21,535	618 19,464	5,169	20, 894 245, 743 17, 705	51 439	11 221
Barley	acres bushels	1,195,158	12,650 473,575	38 1,480	1,513 29,071	17,705 326,447	222 4,833	1,949
Rye	acres	26,441,954 7,027	***************************************			••••••		1,01
Kafir corn and mile maize		70,683 44,308				409	5	2
	oushels	938,049	10			9,529	48	48
Dry peas	acres bushels	2,959 57,468	215 5,794	· · · · • • · · • · • · • · • · • · • ·		• • • • • • • • • • • • • • • • • • • •	2 16	
Dry edible beans	acres	157,987	86		3	27	8	1
YY	bushels	3,328,218	2,933	3	31	150	238	20
Total	acres tons	2,533,347 4,327,130	80,735 113,534	3,846 5,815	14,449 17,961	55,962 91,832	15,281 15,686	29 41
All tame or cultivated grasses	acres	645,595	6,817	2.345	2,760 5,839	11, 809	1,610	
Timothy alone		1,875,374 13,725	12,191	4,174 206	Ü	41,093 226	3,468 79	18
Timothy and clover mixed	tons	20,001 46,661	84	315 351	6 29	162 157	72 118	
	tona	73,183 8,519	115 407	567 10	29 33	271 81	290 102	
•	tona	20,380	472	20	33	95	206	
Alfalfa	tons	484,134 1,639,707	1,109 3,514	1,081 2,573	1,724 4,778	9,351 38,196	049 2,313	1
Millet or Hungarian grass	acres tons	2,142 2,688	15 30			<i></i>		
Other tame or cultivated grasses	acres	90,414	5,202	697	968	1,994	662	
Wild, salt, or prairie grasses		119,415 253,127	8,060 729	699 1,116	993 3,599	2,369 1,253	587 4,648	2
Grains out green	tons	281,033 1,604,745	1,030 73,041	1,309 355	3,471 8,090 8,651	1,177 42,726	3,431 9,023	2
	tone	2,019,526 25,868	99,538	312	8,651	49, 243 174	9,023 8,787	2
•	tons	60,611	507			319		
Special crops: Potatoes.	acres	67,688	1,655	22	125	171	147	
Sweet potatoes and yams	bushels	9,824,005 5,111	175,920 2	2,944	14,054	17,201 21	20,997	. 2
	hiighele	572, 814 79, 163	140		200 315	2,345		
All other vegetables. Sugar beets.	acres	78,957	7,459 2,516	14		513 711	278	
FRUITS AND NUTS	tons	845, 191	29, 201			6,977	Ī	
Orchard fruits: Total	trees	22,485,195	627, 824	1,531	43,332	452,302	31, 276	7
	hughola	31,501,507 2,482,762	799,976 26,045	762	51,757 8,592	693,210 34,425	44, 963 13, 341	12
Peaches and nectarines	basabala	6,335,073	38,346	1,140 642	11,990	42,671	21,583	
Pears.	bushels	7,829,011 9,267,118	12,555 14,561	28 40	16,349 20,606	255,047 356,683	5,954 6,794	
	b1 -1-	1,410,905 1,928,097 7,168,705	70,382 99,994	79 36	5,112 4,430	22, 159 25, 318	2,178 5,358	
Plums and prunes	trees	7,168,705 9,317,979	157,981 157,270	214 42	10,685 11,880	104, 474 252, 141	8, 265 9, 901	5 11
Cherries	trees	522,304	89,284	63	1,143	4,317	459	. 11
Apricots	bushels trees	501, 013 2, 992, 453	89,662 270,461	7	1,588 1,197	4,403 9,900	329 672	
	bushels	4,066,823	399,035		949	11,126	465	
Grapes	vines pounds	144,097,670 1,979,686,525	2,390,959 20,671,600	9,000	314,604	258,742 1,499,000	212,300	48 5.01
			}	1	2,743,320		1,457,030	5,01
Total Figs.	trees	8,726,005 269,001	15,900 482	4	780 347	235, 442 9, 518	6,315 1,839	
Oranges	mannae	1 92 000 353	9,990 3,782		24,315	387, 725 147, 412	142, 990 388	. 6
	hove	14,436,180	6,074		283	128, 108	544	
	1	2,756,221	600 2,144		. 12	2, 223 1, 222	19 37	
Olives	marinda	836,847	10,963 45,285	50	274	73,453 2,242,445	4,065 10,465	
Pomeloes (grapefruit)	trees	43,424	4 2			122	3	
Small fruits: Total			il			171	2	
			890,867		46,124	148 207,794	34 37,948	1
Strawberries	acres	4,585	18		.] 6	48	5	
Blackberries and dewberries	.acres	2,576	12		. 13	54,513 57	11,210 14	l
	quarts	/ /	20,225		18,655	76,793	13,366	
Total		2,034,302 28,378,115	25,250 210,142		830 7, 602	85,445 832,019	15,619 51,932	1 10
Almonds	trees	1,166,730	21, 190	12	628	84,069	14,624	1 1
Pecans		4,226	155,871 5			799,351 158	27, 080 6	٤
	nounda	1. 44 088	80 3,726		. 50	5,450 1,063	832	

ACREAGE AND PRODUCTION OF PRINCIPAL CROPS, BY COUNTIES: 1909.

	Contra Costa.	Del Norte.	Eldorado.	Fresno.	Glenn,	Humboldt.	Imperial.	Inyo.	Kern.	Kings.	Lake.	Lassen.
1 2 3 4 5 6	4,032,054 604,035 104,4°7 1,617,610 1,125,668 499,436 80,818	111, 952 8, 877 164 85, 763 10, 605 2, 878 3, 665	471, 514 15, 189 120 196, 638 41, 950 143, 924 73, 693	7,991,187 510,053 13,685 1,702,818 108,690 5,279,794 376,147	1, 350, 910 909, 796 700 327, 008 13, 644 35, 661 64, 101	1, 438, 425 117, 802 19, 249 893, 913 175, 817 141, 493 90, 151	1, 901, 358 755, 239 802, 990 295, 389 26, 864 20, 876	532, 643 156, 416 3, 496 252, 610 57, 314 44, 047 18, 760	1, 803, 255 500, 973 13, 580 953, 044 96, 968 159, 698 78, 992	3, 180, 114 550, 869 20, 704 1, 171, 101 140, 137 1, 219, 568 77, 735	517, 796 129, 857 17, 641 196, 995 44, 701 90, 001 38, 601	897, 94 214, 27, 20, 26 582, 37 51, 04 16, 30 13, 68
8 9 10 11 12 13 14 15 16 17 18 19 20 21	22, 538 832, 988 263 6, 188 1, 112 40, 178 2, 443 53, 332 18, 665 731, 970	251 13,042 1 12 216 12,078 32 840 2 112	942 15, 974 38 768 543 10, 504 193 3, 201 50 884 1.17 609	44,726 887,884 1,422 37,726 1,554 20,027 7,829 97,391 32,132 694,234 1,000 1,689 37,506	73, 200 1, 295, 299 671 21, 999 1, 283 32, 620 17, 541 232, 911 153, 513 1, 002, 887	4, 520 152, 978 7, 633 7, 633 75, 603 134 3, 370 1, 296 65, 991 141	47, 848 1, 145, 647 690 14, 419 30 372 125 2, 559 36, 986 908, 916	4,849 157,031 1,883 57,917 57,32 28,875 1,715 50,858 678 19,381	48, 807 711, 634 406 7, 132 82 770 12, 924 139, 375 32, 492 517, 029 2, 813 46, 828	34, 292 687, 738 2, 274 43, 688 109 4, 490 8, 684 141, 978 10, 287 402, 432 100 3, 931	7, 219 147, 260 981 26, 317 843 19, 914 2, 563 46, 131 2, 825 54, 758 7 140	14, 72; 249, 97; 97; 25, 64; 9, 93; 153, 86; 3, 24; 63, 47; 6, 018
22 23 24 25	2, 298 65, 748 88, 937 129, 080	4 60 10 3,052	1 30 12, 115 11, 685	6 172 9 155		517 9,056 18 392 30,018		1 10 70 1,055	26 648 58 955	95,010 15 75 21 576 57,749	12, 653	62.758
26 27 28 29 30 31 32 33 34	8, 497 15, 365	10, 131 1, 244 2, 271 6 11 49 148 63	1,581 2,342 13 14 443 466 234	95, 265 214, 659 48, 032 167, 493	25, 143 37, 594 4, 039 11, 927 6 8 18 22	119, 613 7, 798 20, 093 174 194 109 363 2, 459	57,064 101,763 31,102 72,424	16, 209 43, 605 15, 080 41, 602 22 43 1, 906 3, 589 12	112,995 23,617 73,273	57,749 158,306 38,814 125,188	19, 089 3, 669 8, 357 50 60 104 180 330	62, 756 92, 634 23, 202 44, 176 295 649 9, 475 13, 239
35 36 37 38 39 40 41 43 44 45 46	1,874 3,477 8,163 3566 427 3,825 4,901 1,050	1,093 1,093 1,853	493 407 824 37	10 62 47,776 167,217 243 208 2 741	3, 211 10, 848 799 1, 045	6, 479 974 3, 287 17 63 4, 065 9, 707 901	30,847 72,201 15 13 240 210	15 12, 440 37, 059 3 3 697 893	23,600 73,259 5 2 12 12	13 51 36,778 123,112 2,023 2,025 833	452 2,795 7,260 5 14	11,709 27,452
47 48	1, 216 79, 368 112, 478 22 21	50 1,509 8,597 195 2,477	7, 142 7, 191 10 10 113 18, 513	208 2,741 2,343 44,159 43,863 312 800	265 198 20, 824 25, 332 12	1,368 18,773 35,805 495 6,736 1,108 156,437	55 100 20,995 25,105 4,912 4,134	1, 076 1, 681 28 49 22 200	148 105 30,069 35,441 5,121 4,174	734 17, 629 28, 629 473 3, 755	391 1,152 1,316 7,810 9,351 22 05	1, 72; 2, 83(36, 87(45, 016 2, 677 3, 442
49 50 51 52 53 54	2, 226, 695 20 3, 650 40 250	9,800	197	23, 891 57 8, 713 1, 391 228 1, 196	1, 435 1 105 115 1, 264 9, 769	675	8,847 9 1,017 3,672	326 52,894 13 240	51,666 31 2,453 589	17, 658 19 2, 862 674 504 1, 304	21,773 15 353	259 36,703 184 2 10
55 57 58 59 60 61 62 63 64 65 67 68	225, 939 213, 351 13, 429 18, 494 39, 461 38, 525 68, 988 75, 803 58, 177 54, 881 7, 258 5, 139 38, 812 19, 906	3,549 3,556 3,234 3,110 42 32 120 154 90 222 48 38	180, 017 149, 543 31, 929 26, 529 61, 800 58, 738 49, 672 36, 848 32, 764 23, 327 3, 259 3, 051 503 786	2,579,859 3,116,325 32,097 34,505 2,277,314 2,727,978 13,356 7,548 66,926 139,262 2,729 104 186,823 206,536	44, 565 20, 613 4, 617 4, 909 6, 420 3, 175 1, 655 1, 500 24, 860 8, 559 48 6, 830 2, 310	117, 368 1, 589, 653 7, 73, 010 1, 552, 585 9, 471 10, 552 3, 804 8, 196 26, 960 12, 161 3, 733 5, 040 235 267	3,170 926 86 3 432 228 347 11 347 3	30, 164 46, 780 19, 611 35, 430 4, 602 5, 037 2, 668 2, 670 2, 349 1, 845 539 331 342 416	138,088 164,626 7,725 10,008 35,149 30,278 1,065 58,075 74,053 64 33,573 48,955	1, 048, 508 1, 316, 117 4, 196 8, 507 7777, 697 803, 637 4, 379 8, 007 132, 192 258, 851 11 205 124, 007 234, 147	120, 037 122, 945 22, 254 18, 537 9, 288 8, 330 39, 075 39, 871 47, 244 54, 807 704 1, 463	17, 511 13, 731 12, 672 10, 345 1, 455 1, 755 633 470 2, 222 1, 066 1, 061 700 17
69 70 71 72 73 74 75	2, 972, 130 32, 217, 131 10, 597 293 16, 285 402 453	1	581, 342 4,891,740 677 587 74,060 53 195	40,687,207 611,253,961 291,754 120,124 15,898,146 85,781 92,640 12,389 10,083 72,788 655,302	20,416 145,300 6,783 879 63,235 4,860 1,704	4,095 76,405 83 82 2,430	298, 813 1, 210, 475 2, 411 606 10, 450 1, 410 3, 012	39,478 292,730 14 14 400	419,582 1,715,540 82,888 1,475 92,990 80,940 32,232	4,538,732 91,434,166 425 391 26,720 24 31	296,752 1,750,522 4,340 1,062 41,896 72	31 800
76 77 78 79 80 81 82	148 92 9,744 340,410	1	37 4,020	431 310	593 432 445 14,290 5 13	87	36 4 41 18 1	21	54 37 393 2,950 16 7	5 400 31	8 3,198 7,390 25	20
82 83 84 85 87 88 88 88	13,654 1 2,880 8 2,774 215,249 941,400	1,760 1 1,050 300 6	31,427 5 8,215 11 12,480 1,512 27,130	1,196,643 148 750,708 91 247,186 8,203 70,097 7,390	15,005 2 2,945 4 8,980 26,336 67,707 25,739	219,489 58 152,758 5,757 827 8,975	1,726 1 1,426 53 400	18, 621 5 5, 591 8 9, 835 72 2, 170	32,087 2 2,112 26 24,900 3,819 26,615	94, 940 15 53, 810 13 33, 260 1, 747 38, 295	33,910 6 12,227 15 15,261 8,920 55,198	14, 889 3, 380 2 2, 354 16 250
90 91 92 93 94 95	209, 056 830, 112 25 200 6, 148 110, 088	3	438 3,850 880 10,855	7, 390 56, 472 56 225 634 7, 991	25,739 61,055 15 350 220 3,617	304 580 498 8,220	29 24 400	28 1,080 9 150 35 940	3,101 23,505 563 1,290 127 1,565	1,721 37,040 2 40 24 1,215	8, 281 47, 316 6 350 564 5, 232	8 250

${\bf AGRICULTURE-CALIFORNIA.}$

TABLE 4.—VALUE OF ALL CROPS AND PRINCIPAL CLASSES THEREOF, AND

	;	Los Angeles.	Madera.	Marin.	Mariposa.	Mendocino.	Merced.	Modoc.
VALUE OF ALL CROPS		14 WOA CO.	1 000 440	534, 383	230,632	1,531,986	3, 423, 574	1,176,03
Total	dollars	14,720,884 806,507	1,686,418 1,220,003	19, 766	18,515	175,678	1,691,556 11,251	329,31 59,50
reals. ther grains and seeds. ay and forage. getables ruits and nuts. Il other crops	dollars	218, 428 3, 430, 698	290,258	15 425, 987	1,430 $109,699$	927 526,688	1,355,098 187,563	621,17
ay and forage	dollars	1.255.093	27, 995	42, 916	28, 024 43, 025	121,941 166,534	187,563 147,964	98,5° 49,89
ruits and nuts	dollars	6,731,532 2,278,626	126, 124 21, 138	31,816 13,883	29, 939	540, 218	30,142	17,5
l other crops		2,2(0,020						-
SELECTED CROPS (acres and quantity)	'		1				104 270	19,1
ereals: Total	acres bushels	49,957 1,138,533	140,822 1,722,889	975 34,877	1,807 24,098	9,433 199,039	124,578 2,581,975	452,3
Corn	acres	9,084	1	52	174	533 14,454	1,877 52,778	2
Oats		249, 295 973	50 10,569	2,061 850	2,330 55	3,087	19,843	22, 1
		38,720 6,760	175,047 39,468	31,430 57	$1,100 \\ 124$	81,959 3,906	338, 041 10, 399	9,8
Wheat		59, 866	370, 499	1,155	1,298	59, 195 1, 904	115, 938 88, 145	195,9 8,6
Barley	bushels	32, 804 785, 129	90, 341 1, 170, 945	16 231	1,434 19,130	43,370	2,009,531	227,
Rye	acres	100	100		20 240	3 61	2,108 19,917	6,6
Kafir corn and milo maize		745 106	343				2,206 45,770	•••••
	bushels	2,145	4,948	••••			40,770	
Other grains: Dry peas	acres	14				17 345	-	•••••
		311 3,874	15	i	62	5	523	
Dry edible beans	bushels	105,011	333	8	409	44	5,839	1,
Iay and forage: Total	acres	154,048	17,606	17,460	6,521	27,015	68,917	75, 118,
	rons	316, 541	29,978	37,972 3,613	6,049 364	38,085 9,330	173,335 38,741	21,
All tame or cultivated grasses		21,327 104,137	5, 800 16, 796	5,966	506	14,525	145,392	43, 1.
Timothy alone	acres	25 45	5 6	80 200	65 100	180 228	7	3,
Timothy and clover mixed	acres				29 34	489 578		5, 10,
Clover alone				80	25	350	79	•••••
	tons	104	5,735	80 25	6 28	556 2,401	317 37,842	10
Alfalfa	tons	19,027 100,855	16,717	86 86	28 97	6, 253 15	144, 357	24
Millet or Hungarian grass	tons	63 142			40	26	31	
Other tame or cultivated grasses	acres	2,160	60	3,428	177	5,895 6,884	784 680	3 5
Wild, salt, or prairie grasses	60,163	2,943 651		5,600 169	685	1,164	10,308	50 70
		793	423	179 13,055	659 5, 472	1,178 16,429	7,228 19,751	3
Grains cut green			12, 757	20,787	4,884	21,356	20, 293	4
Coarse forage	acres tons	1,545	7	132		61 102		
Special crops:		1		435		616	246	
Potatoes		4,140 413,151	75 6,662	33,469			18.882	44
Sweet potatoes and yams	acres	342	2				2,114 255,938	
		44,142 13,385	256	117	193	594		
All other vegetables	acres tons	14, 191 162, 059					24	Ì
FRUITS AND NUTS	00115	102,000	-			-		
Orchard fruits:	trees	446,698	80, 156	32, 263	19,461	125, 282	163,013 108,843	3'7
			40,077	22,420 15,995	34,283 16,001	212,320 63,263	8,941	2
Apples	bushels.	. 118, 528	11, 227	6,907	7 29,141	112,850	7,267	6
Peaches and nectarines	trees bushels.	. 160, 197 234, 581	40, 989	6,313	1,803	10,03	90,954	1
Pears	trees	. 16, 149	1, 185	4,15 8,97	L	15,829	11 2,624	
Plums and prunes		21, 161 43, 592	1, 164 7, 570	3,77	5 762	37, 19	7 5,401	
		. 34,295	5 435	2,62	5 1,168) 1,18	[343	1
Cherries		. 795 168	3 20	11	1 216	1,57	64	į
Apricots	trees	. 122, 769	9,408	1,68		3 18 30		
	Dusiteis.		· · · · · ·		1			1.
Grapes	vines pounds.	4,923,877	7 1,530,630 7 21,105,970	115,19 1,982,56	8 28,64° 0 285,74		12,085,751	
Tropical fruits:	-	1	1	1 ' '	·		0 18,613	
Total Figs.	trees	1,994,402 5,730	8 4,321	20	1 46	1 35	8 9,837	
Oranges	pounds.	397, 370 1,674, 69	6 82,290	1,06	5 135,45 9 1,16	5 25,12	4 1,572	
			1 114	14	7 1,69	1	3 1,097 209	'
Lemons	havae	219, 14	9 18	5 2	5 5	0	217	' l
Olives	trees	84,93	4 18,010) 4	8 2,71	$\begin{bmatrix} 1 \\ 2 \end{bmatrix}$	7 6,981 0 90,916	
Pomeloes (grapefruit)		1,549,41	3 2	2	5	ī	1	l
	boxes	11,81	ō	••	9		,	
Small fruits: Total	acres	1,97 7,837,98	5	1	3		7 3 2 47, 29	1
Strawberries	grante	7.837.98	7 4,27	2 '	1	1 2	22	5 [
	quarts.	5,135,20	3 1,75	j 1,78	50 1,21	7 35,29	8,37	11
Blackberries and dewberries	aeres quarts,			8	30 4,47			
Nuts:			1	- 1	12 20		17,84	5
Total			3 8,53	5 1.4	97 4,27	0 33,0	10 127,35	7
Almonds	trees	76,94	19 2,77	g I . 1			30 114,49	9
Pecans	trees	3:	13	5			3	1
Walnuts (Persian or English)	pounds	6,40	JU 1				60 63	3
		201100	1		85 2,0	19 9,9	90 11,53	· 1

ACREAGE AND PRODUCTION OF PRINCIPAL CROPS, BY COUNTIES: 1909—Continued.

	Mono.	Monterey.	Napa.	Nevada.	Orange.	Placer.	Plumas.	Riverside.	Sacramento.	San Benito.	San Ber- nardino.	San Diego.	San Fran- cisco.
1 2 3 4 6 7	107,757 5,023 552 85,083 13,396 3,038 605	4, 325, 535 1, 695, 220 57, 676 1, 125, 740 330, 296 438, 763 677, 840	1,637,442 168,471 6,224 405,362 126,348 766,745 104,292	386, 326 3, 101 58 159, 879 54, 554 89, 771 78, 963	6,176,337 562,563 653,763 976,896 540,864 2,497,734 944,517	1,813,419 104,677 194,464 52,253 1,318,731 143,294	432, 919 74, 736 299, 817 21, 772 3, 872 32, 722	5, 133, 576 895, 051 10, 180 1, 624, 675 133, 199 2, 393, 371 77, 100	4,720,010 232,584 405,143 786,239 509,231 2,265,690 521,123	1,741,155 268,068 138,590 963,249 34,425 281,891 54,932	6,818,233 93,464 1,097 932,249 107,283 5,357,098 327,042	2,861,136 458,836 91,268 1,110,127 174,869 941,767 84,269	323,926 3,310 1,460 190,965 920 127,271
8 9 10 11 12 13 14 15 16 17 18	217 5,939 4 100 42 3,000 167 2,739	131, 453 2, 581, 066 845 15, 552 8, 784 240, 760 22, 924 298, 080 98, 923 2, 020, 334	10,979 201,365 2,389 59,579 1,366 32,155 4,134 50,671 3,048 58,300	249 3,295 5 208 119 1,559 05 1,279 30 249	32, 415 808, 381 3, 054 91, 643 905 30, 858 793 10, 797 27, 384 671, 526	10,104 120,908 27 1,055 3,030 40,307 5,721 62,167 1,318 17,128	4, 933 103, 455 2, 193 75, 606 10, 313 1, 200 12, 216 704	73, 236 1, 219, 501 372 12, 421 3, 767 85, 540 11, 817 159, 434 56, 946 958, 526	20,303 280,718 795 34,089 4,174 66,940 10,704 103,728 4,599 75,575	16, 622 384, 574 401 5, 389 776 13, 826 4, 451 57, 535 10, 955 307, 216	5,932 132,508 920 14,839 436 16,598 100 200 3,260 85,480	37,293 616,670 4,544 71,874 7,690 177,485 7,268 82,012 17,745 284,677	
18 19 20 21	40	2 40	2 35		189 3,557	8 161	5,250	44 580	2 43	15 125	1,216 15,391	50 17 282	
22 23 24 25	11 63 5 133	154 5,218 1,504 29,532	6 61	i 18	55 605 21, 186 402, 951			50 192	90 1,703 7,801 166,852	59 677		12 17 3,492 45,661	
26 27 28 29 30	6,947 12,118 4,453 9,542	83,647 109,848 3,489 9,556	26,061 39,331 1,739 3,906	8,725 9,497 1,928 3,527 55 56	47,651 87,655 11,432 31,316	16,034 13,404 819 1,596 38	30, 152 34, 038 9, 358 12, 557 851 1, 084	88, 430 141, 794 14, 111 71, 676 5	56,936 70,548 14,841 37,200	64,064 84,380 2,391 8,393	42, 608 76, 359 8, 383 36, 129 10 15	82,049 86,559 9,269 18,054 26 58	103 150 61 70
31 32 33 34 35 36 37 38 39 40	2,278 2,720 4 10 2,086 6,685	60 90 2,819 8,251	10 15 29 55 1,204 8,423	267 390 221 459 492 1,114	5, 304 23, 139	20 27 78 77 465 1,249	5,239 7,191 155 286 711 1,104	12, 904 69, 230 407	222 422 9,602 32,021	1,940 7,700 11	18 40 8,263 35,922 3	2,566 11,739 21	1 10
38 39 40 41 42 48 44 45 46 47	15 30 70 97 2,494 2,576	1,215	496 413 393 627 23,764 34,503 163 274	19 887 1,489 1,706 1,685 5,068 4,191 21	6, 128 8, 177 65 65 35, 753 53, 045 239 980	218 206 1,202 824 14,009 10,978 4	19,794 20,425 985 1,031	. 441 795 2,000 14 13 73,985 69,235	3,714 3,570 1,909 2,190 40,130 31,040	3,727 3,827 57,319 70,439 624	6 89 146 55 44 33,764 39,414 398 722	27 6,655 6,225 2,792 2,018 68,844 60,302 1,128 5,634	60 60 42 80
48 49 50 51 52 53	97 12,094	5,393 364,468	580 81,659 428	106 12,733 1 135	1,770 127,367 484 56,785 10,275 133,612	72 7,442 408	100 12,638	22, 392 57 8, 062	6, 36	25,438 25,438 183 283	444 43,364 55 5,681 813 4,121 42,928	35,717 27 3,598 1,131 21	7,366 56 46
55 56 57 58 59 60 61 62 63 64 65 66 67	1,598 1,234 1,088 850 61 122 122 88 10 10	339, 105 559, 680 290, 404 501, 847 7, 381 8, 693 8, 961 6, 189 4, 122 7, 1, 729	50, 843 50, 210 81, 812 299, 612 407, 023 16, 955 20, 891 16, 953	84, 259 84, 946 20, 223 25, 800 17, 873 22, 488 36, 800 2 26, 279 6, 955 7, 055 1, 727 1, 810 3	13, 104 2, 100 2, 978 4, 569 5, 205 23 129, 352	20, 884 683, 824 1, 084, 566 142, 999 115, 956 279, 76 323, 73 81, 20 67, 42 4, 09	113 516 1 16 9 6 9 1	72,93 77,14 18,44 2 13,42 0 34,35 54,87 98	7 10, 94 3 99, 63 8 129, 98 161, 09 44 308, 35 7 206, 55 3 269, 54 2 17, 17 19 10, 48	7 411, 477 26, 593 31, 385 51, 301 12, 301 125, 132 41, 219, 409 22, 903 39, 91, 006 7, 223, 443 3, 421 9, 1, 761 61, 604 1, 106, 806	2, 302 3, 42 8, 777 6, 473 3, 055 2, 922 111, 122 171, 76	126,427 37,665 45,687 29,800 29,536 2 6,022 1 7,588 3 16,02 8,20 7 1,797 3 1,727 5 20,85 3 33,00	12 12 13 15 15 15 15 15 15 15 15 15 15 15 15 15
69 70	2,00 20,00	79,935 754,340	8,595,333 66,876,89	7 757,865	2,684,855	11,231,83	1	12, 133, 38	399,386,70	5 1,620,030	38,608,26 2,153,50	3 15,204,43	0
71 72 73 74 75 76 77 78 79		913 217 9,146 25 25 7	1,23 20,88 1,19 53 25 8 20,17 36,88	4 1,465 9 67,225 2 366 5 320 8 6 416 5 4,27	25, 122 478, 273 1, 247, 905 46, 95 74, 22 0 67, 04 3 828, 20	4,46 105,80 26,92 14,10 71 68 3 26,38 4 417,41 7 28	3 2 1 3 4 4 3 6 6 6 6 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9	6 2,06 73,75 1,021,98 2,006,98 115,00 304,66 6 80,55 1,281,9	57 40, 2 520 61, 5 220 2, 56 88 1, 6 72 34, 0 70 969, 9	66 42 17 10 100 5 166 4 177 4 32	33,79 1,951,25 5,425,75 157,73 630,10 486,47 13,13	94,32 4 107,45 9 167,20 1 195,31 8 473,54 0 109,87 8 2,559,79 4 5,76	3 7 1 1 8 3 3 1 1 1 2
81 82 83 84 85 86 87	5, 01 1, 22	1 3,663,570 263	7 5 72,50 3 45,31 5 2	9 51 3 78,361 22 7,04 26 7,04 26 1 20 29,24	20 9 401,21 4 7 192,36 5 71,90	5 1,581,26 6 1,062,2 3 198,0	12 11,86 13 11,86 14 6,85 32 5	13 11 123,7 6 128 134 149,5	64 72 72 72 73 74 74 75 75 75 75 75 75 75 75 75 75 75 75 75	54 56 78 68,422 60 34,36 52 4,31 56 8,33	13 190,56 57 52,9 1 0 112,24	369,56 17 275,76 18 45,60 19,6	13 14 22 35
88 89 90 91 92 93 94		2,50 27,43 2,19 24,05 10 80 3,28	90,78 3 90,78 6 7,70	17 32,04 31 1,32 33 11,98 96 1 4 67 1,10	8 7,492,17 5 1,24 0 7 0 2 0 1,35 5 276,84	0	39 31 2	239, 5 21, 7 168, 5 4 3, 6	81 857, 8 89 66, 8 70 335, 2 98 335, 2	39 103,82 72 6,95 57 73,92 3 10 55 1,36	2 60,74 8 6 2 15,4 6 9 2,2	34 9,2 79 40,5 1,0 19,2	79 21 80 05

AGRICULTURE—CALIFORNIA.

TABLE 4.—VALUE OF ALL CROPS AND PRINCIPAL CLASSES THEREOF, AND

	San Joaquin.	San Luis Obispo.	San Mateo.	Santa Barbara.	Santa Clara.	Santa Cruz.	Shasta.	Sierra.
VALUE OF ALL CROPS Total dollars dollars dollars. ther grains and seeds dollars. Tay and forage dollars dollars dollars. Togotables dollars dollars dollars dollars dollars dollars dollars. Truits and nuts dollars dollars.	9,082,240 3,238,767 533,977 1,763,286 2,149,300 1,307,448 89,462	2, 481, 812 869, 268 517, 452 681, 886 141, 685 155, 094 116, 427	1, 395, 371 260, 218 36, 742 361, 266 459, 470 73, 272 204, 403	3,568,250 585,079 869,908 771,922 244,205 538,465 558,671	6, 968, 438 170, 190 265, 665 1, 587, 494 450, 065 4, 234, 874 260, 150	2, 408, 435 94, 360 24, 514 327, 572 164, 518 1, 656, 212 141, 259	939, 795 74, 831 1, 719 410, 532 85, 381 248, 442 118, 890	234, 15- 25, 761 180, 87- 12, 36- 7, 61- 7, 52
SELECTED CROPS (acres and quanty) Coreals:	180, 516 4, 644, 655 57, 025 23, 205 396, 661 24, 786 310, 587 125, 114 3, 827, 187	1,156,277 1,509 24,015 1,139 35,884 33,608 428,636 26,370 667,718	17, 136 490, 604 11 164 16, 125 462, 560 68 1, 473 917 26, 001	39, 332 970, 702 1, 240 25, 979 9, 494 233, 171 2, 300 27, 892 26, 294 683, 605	9, 937 230, 306 411 9, 791 247 9, 424 376 10, 198 8, 903 200, 893	4,635 119,951 1,136 22,284 2,282 59,812 217 3,629 1,000 34,226	5,967 80,143 103 4,655 723 8,915 3,783 45,022 1,298 21,551	1,61 27,76 4 52 11,43 6,38 6,38 7,33
Rye. acres. bushels. Kafir corn and milo maize. bushels. Other grains: acres. Dry peas bushels	2,968 32,786 36	1 24 85	186	30 12 67		2 15	3 15	2,5
Dry edible beans bushels acres. Hay and forage: acres. Total tame or cultivated grasses acres.	13,95 352,15 104,91	11,169 207,674 55,000 70,225	4,085 466 14,435 19,060 28,982 2,512	22,355 367,385 50,070 70,146	706 8,810 83,553 127,006 5,610	577 12,645 18,037 25,244 703	49 685 35,341 46,578 13,162	20,6 22,2 4,1
Timothy alone	19 32	0	8,744 6 6 18	2,722 100 150 25	14,495 34 46		25,486 8,083 4,118 2,165 2,847 269 530	5,2 3 1,7 2,0
Alfalfa	8,80 36,85 84 86 3,63	5 989 9 2,658 0 35 7 40 3 1,888	52 5 12 2,472	2,205	355 3,073 11,486 2 2,275 2,606 1,203	255 1,090	6,698 16,874 30 40 917 1,077	1,
Wild, salt, or prairie grasses	10, 24 12, 28 .80, 88 119, 03	8 830 1,038 1 50,954 2 62,650 5 304	82 57 16, 466 25, 181	479 519 47,602	1,352 76,399 109,051 300	16,609 22,376 689	13,158 12,716 8,525 7,836 406	15,
Special crops: Potatoes	21,3 4,279,3	13 955 95 105, 277 19 288 11 288 950	109,879 3,210	151,532 28 3,862	105,617 4,241	128,977 1 78 648	27,756 16 2,279 577	
FRUITS AND NUTS Orchard fruits: trees.	364,2	90 93,21 38 117,12	7 43,65 6 50,13	5 34,200 89,858	8, 180 5, 043, 766 5, 807, 595	3,511 875,642 2,366,344	262,136 387,566	4, 5,
Apples tress bushel Peaches and nectarines trees. Pears trees Pums and prunes bushel Plums and prunes bushe	185,0 185,0 229,1 13,0 13,0 83,0 102,0	19 56,04 73 10,61 75 10,32 64 5,09 96 8,86 41 21,38 91 15,23	7 31,31 4 57 5 64 7 1 68	7 38,511 2 9,560 3 11,33 8 2,61: 3 5,14: 9 2,73: 6 4,82	118,603 437,673 574,51- 2 142,556 8 206,21- 0 3,387,456 2 3,854,076	3 2,090,968 7 11,868 4 10,873 0 23,100 4 33,456 5 112,266 0 109,95	47,556 98,950 110,712 33,952 64,803 87,959 159,696	4,
Cherries trees bushe Apricots trees bushe Grapes vines	53,0 18 27,6 13,371,	$ \begin{array}{c cccc} & 469 & 460 \\ & 20, 12 \\ & 25, 92 \\ & 794 & 265, 48 \end{array} $	3 3,69 9 1,25 1 124,99	23 14 15,51 29,23 00 208,59	8 90,19 2 783,58 7 958,16 5 5,584,48	8 25,36; 5 63,02 3 95,04; 0 1,365,41	2,311 1 836 2 2,141 4 117,481	
Tropical fruits:	26, 4, is. 232, 1,	070 4,28 037 81	3 7,24 9 5 7 5 94 5 55	99,02 85 25 40,25 4,24 9 12,27 1 46,18 134,16	3 18,02 8 98 5 31,50 6 1,90 1,35 11 99	3 2,27 5 33 0 12,84 5 33 4 15 6 34	9 11,98 3 2,30 5 53,27 0 53 1 3	3 3 5 7
Small fruits:	19, 506,	92 131,11 154 131,11	7, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	44, 25 1, 275, 02 71 93 69 233, 15	13,94 22 639,22 6 5 11 5 33 1,01 23 1,785,86	27 2,50 9 11 74 55 1,707,20	7,54 7 6 	5
Strawberries and dewberries quart Blackberries and dewberries cres quart	s 93, s 51,	367 61,8 31 650 42,8 499 17,2 098 277,7	95 210,8 80 45 15,0 64 3	50 125,76 10 30 99,08 31 97,09 35 2,681,69	32 34 304,05 31 48,35 94 469,95 25,86	00 1,384,78 28 11 22 163,76 98 4,78 26 40,66 62 2	51,97 16 57 85,00 57 9,33 10 64,76 40 8,05	5 2 7 9 0 6
Total. trees, poun Almonds. irees, poun Pecans. trees, poun Walnuts (Persian or English) trees, poun	ds. 547,	024 9,2 300 46,9 6 250	$\begin{bmatrix} 90 \\ 1 \end{bmatrix} \dots \begin{bmatrix} 4 \\ 71 \end{bmatrix} = 2$	25 3, 1 1 23 98, 7	50 198, 1970 1380 1,0076 19,00	86 1,88 36 00	55 43,23 5 10 15 1,10	00 00

ACREAGE AND PRODUCTION OF PRINCIPAL CROPS, BY COUNTIES: 1909—Continued.

	Siskiyou,	Solano.	Sonoma.	Stanislaus.	Sutter.	Tehama.	Trinity.	Tulare.	Tuolumne.	Ventura.	Yolo.	Yuba.	Indian res.
1234 567	1,426,394 325,312 6,972 851,817 130,817 41,170 70,306	3,569,966 1,292,481 103,660 572,822 84,337 1,495,713 20,953	4,451,378 50,993 809 1,170,906 185,749 2,034,805 1,008,116	3,198,660 1,315,180 17,411 1,424,229 181,282 207,508 53,050	1,749,422 588,103 150,486 419,331 57,368 470,985 63,149	1,228,250 249,157 756 376,843 46,108 428,108 127,278	269, 345 12, 394 604 167, 713 58, 211 11, 874 18, 549	5,353,994 1,442,685 1,7,311 1,362,609 192,030 2,053,596 285,763	297, 496 14, 453 183 167, 810 39, 885 31, 044 44, 121	6, 751, 759 347, 954 2, 711, 809 931, 688 61, 878 1, 795, 606 902, 824	3,274,450 1,032,710 112,847 984,115 126,359 677,099 341,320	700, 136 134, 728 2, 075 214, 158 38, 083 73, 358 237, 734	
8 10 11 12 13 14 15 16 17 18 19 20 21	25,718 385,030 3,165 3,148 93,070 17,872 224,512 4,282 60,118 3,653	63,968 1,681,756 91 935 1,306 25,711 20,924 811,753 41,647 1,263,357	2,566 74,727 1,681 14,331 468 20,156 1,445 301 8,795	123,499 1,869,524 662 12,297 38,546 668,542 22,068 258,121 57,529 828,628 4,448 80,343	46, 813 767, 266 22, 373 3, 568 56, 823 14, 537 176, 737 27, 457 491, 720 250 352 7, 750	18,624 292,278 100 2,613 1,032 28,138 6,000 84,009 11,402 177,518	624 11,019 51 1,833 1,50 2,667 377 5,274 39 1,210 7	108,765 1,700,563 2,527 61,757 1,281 25,524 66,567 761,459 27,617 553,481 1 25 10,987 288,382	1,288 18,031 7 156 425 7,447 277 5,373 579 5,055	16,520 463,944 2,409 58,995 1,138 27,901 2,896 67,366 10,077 309,682	63,725 1,492,605 2011 5,123 515 12,365 13,452 237,393 49,530 1,236,884	15,277 148,512 360 5,645 1,740 31,834 10,376 74,227 2,801 36,806	
22 23 24 25	1 10 10	2,553 65,755	7	415 5,175	2,766 76,201		4	10 60 21	3	756 13, 151 58, 744	710 1,835	59	
26 27 28 29 30 31 32 33	272 57, 976 100, 113 40, 202 80, 291 1, 278 2, 671 12, 792 23, 178 108	39, 693 57, 028 5, 527 14, 664 2, 566 2, 856	83 62, 351 87, 949 7, 397 12, 781 50 68	4,395 69,432 178,643 44,451 151,695 160 40	32,744 57,017 8,586 25,390	302 24, 343 44, 039 9, 002 28, 977 40	275 5,350 8,929 3,105 6,470 266	267 6 91,595 188,810 38,337 127,126	8,624 9,584 9,584 649 1,127 12 18	58,744 1,313,156 51,546 78,926 2,005 7,104	51, 204 45, 859 104, 733 20, 809 72, 583	1,112 17,010 18,188 2,362 5,582 5,582	
32 33 34 35 36 37 38	22, 492 48, 478 40	2,375 381 60 174 2,145 10,617	22 40 251 370 5,565 10,461	10 30 40,917 149,214	80 80 415 2,525 7,388 21,791	45 265 226 52 102 8,387 28,332	550 1,549 2,974 135 251 1,115 2,632	35 23 100 250 37,656 126,316	18 128 152 110 218 145 475	30 100 1,952 6,960	326 1,030 16,496 66,110	40 73 160 176 345 1,798 4,335	
10 11 12 13 14 15 16	3, 432 5, 459 10, 114 12, 913 7, 651 6, 831	381 636 496 771 33,641 41,552 29	1,509 1,842 6,507 7,346 47,021 65,919 1,366 1,481	22 3,350 2,380 7,400 4,976 16,847 19,633 727 2,262	703 1,003 7,406 9,020 14,744 20,612 1,948 1,986	258 272 2,184 1,844 13,157 13,218	17 33 46 578 690 1,665 1,705 2	546 537 7, 158 6, 612 44, 822 52, 032 1, 272 3, 022	254 264 1,740 1,636 6,224 6,799 11 22	23 44 20 40 49,044 70,193 391 609	60 120 3,927 5,323 534 740 24,479 31,106 21	283 698 3,097 2,421 11,456 10,128 95 57	
18 19 50 51 52 53	655 76, 218 673 128 245	311 42, 416 650 4 16	2,279 161,597 5 954	207 17,502 1,647 153,706 1,621	218 23,419 41 4,552 303 27 250	112 13,048 30 3,384 292	20,467 192	677 57,026 46 7,469 2,550 1,239 9,447	114 18,808 2 160 232	264 30,124 10 1,082 588 14,333 149,715	402 45, 493 31 1,025 1,086 5,714 55,734	7, 698 6 492 235	
55 56 57 58 59 50 51 52 53 53 54 55 57 58	45, 708 31, 735 31, 055 10, 521 4, 371 3, 770 2, 300 2, 104 5, 683 4, 405 1, 850 1, 478 306 363	1, 367, 911 1, 747, 916 4, 862 6, 852 474, 444 182, 194 310, 303 405, 341 714, 730 52, 512 310, 262 180, 011	1, 364, 106 1, 784, 301 386, 740 818, 725 237, 220 105, 396 100, 965 128, 421 569, 232 596, 953 43, 927 58, 710 9, 087	190, 515 111, 304 3, 680 1, 693 154, 553 89, 385 4, 158 4, 158 1, 804 0, 005 3, 492 1, 182 20, 451 14, 122	244, 587 469, 829 5, 433 7, 806 149, 057 287, 894 17, 911 32, 754 65, 723 136, 082 1, 967 5, 080 3, 443	441, 070 478, 915 15, 633 16, 250 260, 204 276, 049 41, 584 26, 992 92, 459 133, 024 321 30, 446 26, 128	7,313 8,906 4,272 4,951 886 873 738 1,083 1,329 247 205 41	1, 059, 830 1, 351, 573 25, 261 28, 241 714, 494 622, 373 6, 483 4, 948 204, 337 639, 586 294 316 294 48, 834 48, 834	19, 554 22, 284 13, 544 16, 558 3, 065 2, 003 1, 056 2, 004 1, 404 1, 302 144 118 162	259, 682 618, 490 15, 179 19, 170 8, 943 15, 630 2, 597 12, 541 15, 755 392 1, 047 219, 836 562, 978	397, 748 617, 448 2, 512 3, 654 116, 003 219, 660 38, 115 71, 897 119, 193 214, 792 4, 534 5, 534 5, 508 117, 228 101, 396	30, 264 41, 998 5, 468 7, 133 8, 744 5, 517 10, 220 25, 993 3, 487 2, 447 2, 447 2, 448 1, 481 3, 481	
39 70	2, 473 44, 507	1,213,265 16,276,990	17,939,972 137,556,285	1, 932, 302 18, 595, 445	1,249,923 25,162,300	1,307,218 16,416,690	2,842 57,950	7, 227, 491 95, 037, 424	95, 811 580, 502 367	36,398 505,892	2, 568, 019 26, 109, 390 18, 858	162,751 2,652,510 11,205	
71 72 73 74 75 76 77 77 78 78	6 3 10	8,911 4,598 497,159 2,950 2,737 120 163 1,221 34,874	20, 226 3, 850 98, 105 5, 047 4, 209 390 235 10, 863 54, 490 8	54, 291 37, 676 397, 675 10, 492 8, 087 576 202 5, 458 129, 384 18	10, 741 4, 674 447, 470 2, 427 3, 335 602 641 3, 018 170, 581 18	31,654 3,176 115,472 10,744 7,975 354 17,373 394,449	22 20 255 2	872,657 15,750 1,037,350 801,151 758,405 41,009 05,406 5,605 89,921 8,114 13,551	237 17, 435 114 122 6	253, 754 618 29, 653 131, 681 310, 239 95, 018 347, 804 25, 961 686, 171 392 909	10, 476 1, 128, 670 2, 371 2, 949 183 222 4, 482 307, 395 1, 325 612	3, 159 81, 200 1, 263 1, 409 109 147 6, 660 64, 710	
32 33 34 35 36 37	31 41,053 7 15,011 10 11,057	19,110 5 11,060 5,560	1,471 2,106,103 103 195,330 930 1,413,936	161 290, 431 95 184, 399 53 84, 073	16 24,186 1 1,550 7 8,008	83,593 36 57,921 7 11,163	15 14,039 5 4,668 5 4,307	119 181,574 19 44,078 70 87,262	19 29,153 5 10,652 8 9,729	31 138,600 14 72,350 7 18,500	10 10,774 1 210 6 6,162		
88 89 90 91 92	185 5,046 83 2,611 2	100, 239 681, 194 98, 276 650, 933 134 2, 175 1, 806	16,631 168,151 2,893 11,279 43 220 11,955	34,701 134,103 33,726 118,198 25 760 804	62, 289 350, 214 61, 572 343, 084 11	34,555 237,596 32,919 219,396 10 1,569 13,500	91 1,560 30 5 1	3,945 88,939 1,977 59,822 26 505 1,942	240 6,840 54 200 1	110,984 3,832,116 12,057 166,180 301	150, 822 1, 151, 868 149, 019 1, 109, 760 9 245 1, 270	3,458 24,280 3,163 19,535 6 30 287	

AGRICULTURE—CALIFORNIA.

TABLE 5.—SELECTED FARM EXPENSES AND RECEIPTS, BY COUNTIES: 1909.

		THE STATE	Alame	da. Alpi	ine. An	nador.	Butte.	Calaveras.		Contr Costa		Eldo- rado.
1 2 3 4 5 6 7 8	LaborFarms reporting	55, 887 42, 205, 915 7,770, 284 7, 470 2, 143, 993 49, 372 12, 676, 903 21, 329, 528	198, 17, 1, 503,	103 723 622 529 2	784 8 17 ,789 3	5,276 6 208 222 8,313	782 694,096 127,711 145 24,935 706 130,914 379,080	38 74, 43 31, 28 64 40 35, 88 48, 52	36 474, 3 37 104, 1 23 49 2 34 3 37 53, 4	20 214,0 10 66 1,8 10 8 38 339,7	38 49,684 73 13,977 21 2 79 77 32 54 27 5,332	68,885 13,247 26 467 407 44,190
		Fresno.	Glenn.	Hum- boldt.	Impe- rial.	Iny	o. I	Cern.	Kings.	Lake.	Lassen.	Los Angeles.
1 2 3 4 5 6 7 8	Labor. Farms reporting	4, 428 3, 110, 864 418, 302 459 34, 491 3, 817 519, 529 505, 183	377 448,080 127,560 11 4906 314 50,996 494,437	955 456, 280 126, 272 30 1, 680 959 128, 237 169, 348	688, 58 157, 53 68 41 98, 69 652, 32	3 134, 5 41, 6 1 3 45,	960 1 221 202 458	734 53,726 99,375 12 1,430 566 81,682 09,035	1, 185 897, 245 205, 374 11 790 827 112, 208 503, 538	352 103, 159 26, 918 2 40 237 21, 197 72, 333	351 212, 111 73, 496 3 63 234 33, 015 126, 700	4,915 3,683,385 417,297 1,607 669,152 4,484 1,302,854 538,646
		Madera.	Marin.	Mari- posa.	Mendo- cino.	Merce	ed. M	lodoc,	Mono.	Monterey.	Napa.	Nevada.
1 2 3 4 5 6 7 8	Labor Farms reporting Cash expended dollars Rent and board furnished dollars Fertilizer Farms reporting Amount expended dollars Feed Farms reporting Amount expended dollars Receipts from sale of feedable crops dollars	377, 091 103, 765 6 608 207 32, 910 305, 661	332 275, 980 117, 951 2 35 392 481, 154 16, 770	155 37,920 13,419 1 60 226 33,796 17,985	889, 690 74, 600 17 866 684 88, 424 150, 967	908, 285, 3,	975 150 609 765 718	468 85,265 84,514 1 5 277 52,774 79,862	21,174 38 9,579	1,124 1,039,739 247,348 15 1,252 729 215,803 1,130,326	981 512, 190 101, 941 27 1, 290 997 198, 650 135, 568	284 70,041 16,240 40 932 434 73,196 28,256
		Orange.	Placer.	Plumas.	Riverside	Sacrament	a- o. Be	San enito.	San Bernardine	San Diego.	San Francisco.	San Joaquin.
1 2 3 4 5 6 7 8	Labor Farms reporting dollars Rent and board furnished dollars Rent and board furnished dollars Fertilizer Farms reporting dollars Amount expended dollars Farms reporting dollars Amount expended dollars Amount expended dollars Receipts from sale of feedable crops dollars	1,812 1,169,619 90,949 426 71,118 1,904 422,070 477,490	724 424,937 80,292 81 7,786 818 150,413 67,223	168 110, 465 39, 780 260 123 16, 164 72, 061	1,723 1,147,783 115,231 706 323,568 1,214 251,683 934,278	1,459, 297, 15, 15,	274 935 741 12	604 9,399 3,915 6 191 453 29,738 79,570	2,235 1,706,117 105,609 1,624 708,516 1,832 525,462 302,493	723,419 157,446 232 42,429 1,282 242,740	91 153,718 55,962 22 6,031 94 192,373	2,336 2,031,854 442,703 83 10,657 1,692 341,590 2,361,896
ţ		San Luis Obispo.	San Mateo,	Santa Barbara	San Clar	ta Sa a. C	anta ruz.	Shasta.	Sierra.	Siskiyou.	Solano.	Sonoma.
1 2 3 4 5 6 7 8	Labor Farms reporting Cash expended dollars Rent and board furnished dollars Fertilizer Farms reporting Amount expended dollars Freed Farms reporting Amount expended dollars Receipts from sale of feedable crops dollars	1,001 703,251 186,936 13 1,027 760 123,096 322,663	473 543, 604 206, 897 54 13, 450 341 412, 290 274, 031	1,149,34 206,02 5 8,13 65 207,55 476,57	9 2, 207 3 252 0 3 16 0 2 5 726	451 20	896 95,056 88,387 42 3,537 1,022 93,686 12,972	501 211,790 56,161 25 1,086 632 80,530 113,088	24,389 6 140 68 13,413	890 830, 372 108, 527 13 571 610 77, 855 215, 777	881 1,080,682 191,969 18 4,142 657 210,596 747,296	2,781 1,534,669 258,391 121 12,585 3,711 2,010,285 301,619
_	1.43%	Stanis- laus.	Sutter.	Tehama	Trinity	. Tulai		ruol- mne.	Ventura.	Yolo.	Yuba.	Indian res.
1 2 3 4 5 6 7 8	Labor. Farms reporting. Cash expended. dollars. Rent and board furnished. dollars. Fertilizer. Farms reporting. Amount expended. dollars. Feed. Farms reporting. Amount expended. dollars. Receipts from sale of feedable crops. dollars.	1,323 728,023 186,457 673 23,180 1,170 172,951 629,532	658 546, 917 113, 676 3 80 467 79, 443 402, 157	509, 523 75, 303 5685 581 95, 291 104, 600	47,660 14,28 170 13 9,91	1,753, 7 266, 2 41, 7 1, 1 333,	853 2 144 765 908 430 3	259 39, 654 23, 710 19 1, 347 285 39, 478 55, 682	1,081 1,504,650 172,047 126 57,482 367,748 297,845	947 998, 724 219, 330 5, 050 535 83, 352 998, 968	242 242,781 48,002 9 2,765 308 52,572 43,821	

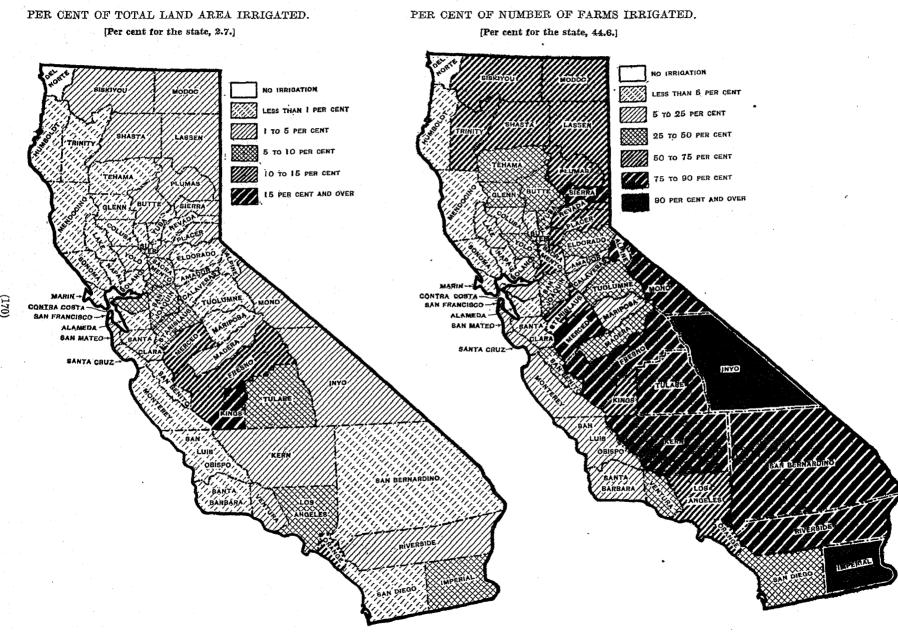
TABLE 6.—NUMBER AND VALUE OF DOMESTIC ANIMALS NOT ON FARMS, BY COUNTIES: APRIL 15, 1910.

F				_							
	· · · · · · · · · · · · · · · · · · ·	THE STATE.	Alameda	Alpine.	Amador.	Butte.	Calaveras	. Colusa.	Contra Costa.	Del Norte.	Elderado.
1 2	Inclosures reporting domestic animals Value of domestic animalsdollars Cattle:	56,987 18,797,015	4,928 1,470,461						770 5 176,194	65 14,366	273 62, 072
3 4 5	Total number	46,176 1,604,717 29,962	2,938 114,183 2,147	3 19		24,553	23,86	13,86	4 24,899	75 1,743 44	709 15, 293 288
6 7	Horses: Total numberdollars	132,521 15,142,841	11,439	1,86	6 492 5 55,568	1,835 191,619	746 58,917	72 71,60	5 1,378 0 143,530	114 12,415	473 44,496
8 9 10	Number of mature horses Mules and asses and burros: Total number. Value	130,263 11,669 1,683,495	((, .	2 34	1 16	25	2 29	1 48	1	453 20 1,380
11 12	Number of mature mules Swine: Total number	10,449 12,168 100,761	271	L :	2 22 5 56	2 12 201	107	7 17	3 44 2 103	1	12
13 14 15	Value dollars. Sheep and goats: Total number. Value dollars.	71,744 265,201	11	5 2	2	23	39	2 13	1 92		903
=	, was the same of		<u> </u>	1							Los
- }		Fresno.	Glenn.	Humboldt.	Imperial.	Inyo.	Kern.	Kings.	Lake.	Lassen.	Angeles.
1 2	Inclosures reporting domestic animals Value of domestic animalsdollars Cattle:	1 ' }	256 103,839	888 216, 293	367 251,464	191,697	988 771,144	491 152,089	200 48,961	233 129,221	13,422 3,617,255
3 4 5	Total number	1,428 50,855 1,149	10,313 10,311 238	1,363 42,510 715	10,340 174	9,255 136	26,134 453	10,338 183	9,092 210	8,190 185	7,528 829,237 5,951
6 7 8	Total numberdollarsdollars Number of mature horses	4,525 500,973 4,429	75,710 673	1,549 165,044 1,527	1,278 148,097 1,231	79,650 834	3,565 428,208 3,490	1,005 128,955 1,000	395 36,695 383	743 61,885 677	25, 297 2, 751, 841 25, 005
9 10 11	Mules and asses and burros: Total numberdollars Valuedollars	98,960 632	115 17,580 108	20 1,290 10	559 85,785 541	761 44,612 622	1,482 290,428 1,406	24 11,120 16	24 2,180 22	26 1,440 8	3,425 509,283 3,158
12 13	Swine: Total numberdollars	341 3,280	43 212	1,132 6,544	878 5,684	140 1,073	108 1,374	124 1,652	193 796	87 634	807 5,858
14 15	Sheep and goats: Total numberdollars	58 261	5 26	165 905	1,558	16,111 57,107	7,597 25,000	5 24	34 198	18,064 57,072	3,025 21,036
		Madera.	Marin,	Mariposa.	Mendoeino.	Merced.	Modoc.	Mono.	Monterey.	Napa.	Nevada.
1 2	Inclosures reporting domestic animals Value of domestic animalsdollars Cattle:	223 63,219	434 157,204	49 25,246	632 150, 714	235 115,025	277 87,742	34 20,663	578 200,934	460 97, 902	515 122,959
3 4 5	Total number	5,872 119	361 12,569 265	42 1,091 30	22,275 522	130 5,246 101	433 12,043 237	1,698 30	505 13,975 278	251 8,041 204	799 23,063 462
6 7 8	Horses: Total numberdollars Valuedollars	436 42,816 429	1,227 132,870 1,220	256 21,635 242	1,280 123,898 1,259	520 59,230 505	73,110 750	170 16,215 165	1,535 174,034 1,483	899 87,565 894	946 93,150 928
9 10 11	Mules and asses and burros: Total number Value	76 14,312 66	81 11,514 76	75 2,520 27	27 2,260 24	5,295 25	1,707 5	$2,750 \\ 16$	112 12,525 106	1,795 10	2,570 27
12 13	Swine: Total number Valuedollars Sheep and goats:	30 218	1 2		348 2,264	69 495	158 882		53 299	38 322	350 3,900
14 15	Total numberdollars	1 1	26 249		4 17	11,028 44,759			101	91 179	89 276
		Orange,	Placer.	Plumas.	Riverside.	Sacra- mento.	San Benito.	San Bernar- dino.	San Diego.	San Fran- cisco.	San Joa- quin.
1 2	Inclosures reporting domestic animalsdollarsdollars	1,364 296,681	629 210, 454	69,174	1,519 398,921	1,507 489,685	181 47,174	1,732 508,091	1,614 537,720	3,470 2,864,319	1,168 342,751
3 4 5	Cattle: Total number	885 38,441 787	1,076 29,391 475	5,702 87	1,163 41,312 834	646 24,559 506	148 4,409 93	1,671 51,926 875	1,210 45,829 936	2,280 82,089 671	840 29,355 619
6 7 8	Horses: Total number		1,442 158,613 1,397	62,145 442	2,815 318,158 2,723	3,917 455,185 3,868	42,440 384	2,977 343,234 2,940	3,303 415,650 3,236	21,184 2,706,054 21,114	2,405 300,240 2,346
9 10 11	Mules and asses and burros: Total number Value	179	162 20,123 143	14 660 7	249 31,295 198	74 8,215 69	4 165 2	757 103,895 615	434 75,193 385	320 46,540 816	67 11,650 67
i	Swine:	en l	252	79	131 1,091	164 1,419	20 160	409 4,862	15 129	1,243 16,362	150 1,151
12 13	Valuedollars	795	2,186	635	, -, -,	-,				· 1	
12 13 14 15	Value dollars dollars. Sheep and goats: Total number dollars. Value dollars.	795 649 1,728	2,186 78 141	6 32	2,833 7,065	80		1,324 4,174	118 928	2,924 13,274	84 355

Table 6.—NUMBER AND VALUE OF DOMESTIC ANIMALS NOT ON FARMS, BY COUNTIES: APRIL 15, 1910—Continued.

		San Luis Obispo.	San Mateo.	Santa Barbara.	Santa Cla	ıra. Santa	Cruz.	Shasta.	Sierra.	Siskiyou.	Solano.	Sonoma.
1 2	Inclosures reporting domestic animals Value of domestic animalsdollars	663 174, 961	806 191,880	1,270 414,662	2,6 706,4	54 16 208	890 ,894	440 148, 43				1,222 244,023
3 4 5	Cattle: Total number	1,144 29,627 585	913 30,380 601	1,010 35,813 842	1,1 45,9 9	05 33 34	536 149 440	94 22,64 32	1 5.77	0 22,422	21,886	959 28,440 670
6 7 8	Horses: Total numberdollars Valuedollars Number of mature horses	1,301 143,159 1,236	1,424 154,470 1,400	2,801 366,561 2,732	5,1 650,5 5,0	12 182	,543 ,289 ,511	1, 27 118, 14 1, 21	0 34.80	147,453	1,108 120,906 1,086	2,166 211,969 2,148
9 10 11	Mules and asses and burros: Total numberdollars Number of mature mules	18 1,475	23 1,755 20	73 11,160 54	7,7	66	66 595 56	6,63,63,3	0 5.61	5 130 0 10,750	19 1,990	23 2,140 19
12 13	Swine: Total numberdollars	52 359	964 4,774	40 329		25	65 506	48 2,79	6 3	5 229	24	164 1,389
14 15	Sheep and goats: Total numberdollars	18 341	114 501	61 799		16 06	79 355	$1, \frac{52}{23}$				27 85
Ī		Stanislaus	. Sutter	Teha	ama.	Trinity.	Tı	ulare.	Tuolumne.	Ventura.	Yolo.	Yuba.
1 2	Inclosures reporting domestic animals Value of domestic animalsdollars Cattle:	223,7	35 51 63,	189 484	256 71,733	133 4 3,066	*	856 264,067	459 115,081	675 189,457	515 122,077	10 9 58, 592
3 4 5	Total numberdollars Valuedollars Number of dairy cows	28.3	23 12,	387 311 204	273 8,694 172	508 11,326 110		831 31,500 543	740 19,388 350	576 20,213 404	371 14,006 281	179 5,274 108
6 7 8	Horses: Total numberdollars Valuedollars Number of mature horses	1,4 181,6 1,4	40 42	386 768 355	568 61,930 546	277 28,490 267		1,765 208,058 1,724	923 84,274 913	1,374 151,039 1,326	100,841 803	386 51,105 376
9 10 11	Mules and asses and burros: Total numberdollars Number of mature mules	12.8	99 00 2 91	19 750 18	6 890 4	2,410 31		23,620 119	108 7,465 87	93 13,920 82	30 5,845 24	15 1,854 14
12 13	Swine: Total numberdollars Valuedollars Sheep and goats:	1 9	57 85	83 546	35 180	106 840	-	100 806	319 2,844	280 4,108	195 1,715	47 348
14 15	Total number. dollars.		3 5	,903 ,109	12 39			16 83	473 1,110	41 177	43 170	2 11

PER CENT OF TOTAL LAND IRRIGATED, AND PER CENT OF NUMBER OF FARMS IRRIGATED, IN CALIFORNIA, BY COUNTIES: 1909.



CALIFORNIA.

FARMS AND ACREAGE IRRIGATED.

California is traversed by the Sierra Nevada Mountains and the Coast Range, both of which are parallel to the coast in a general way. The greater part of the agricultural land of the state lies in the great central valley between these ranges and in the portion of the state south of the Kern River Mountains. In most sections of the state there is usually sufficient rainfall for the maturing of some crops, although there are some sections where no crops can be grown without irrigation. The normal annual precipitation ranges from about 2 inches in the Imperial Valley, in the southeastern part of the state, to about 60 inches along the coast in the northwestern part.

Irrigation is practiced to some extent throughout the state, but the larger part of the irrigated land lies in the southern part of the great central valley and in the southern part of the state. The location of the irrigated lands of the state is indicated in a general way by the maps on the opposite page, in which the different counties are graphically classified with reference to the percentage which the irrigated land forms of the total land area and the percentage which irrigated farms represent of all farms.

The following table shows for the state as a whole the number of farms and acreage irrigated in 1909, in comparison with the total number of farms, the total land area, the total land in farms, and the total acreage of improved land in farms in 1910, together with the areas not yet irrigated for which water was available in 1910 and the acreage included in projects completed or under way in 1910. Comparative data for the census of 1900 are included as far as possible.

		CENSU	JS OF—	INCREA	SE.1
		1910	1900	Amount.	Per cent.
Number of all farms	acres	² 88, 197 99, 617, 280 ² 27, 931, 444 ² 11, 389, 894	³ 72, 542 99, 617, 280 ³ 28, 828, 951 ³ 11, 958, 837	15, 655 897, 507 568, 943	21. 6 -3. 1 -4. 8
Number of farms irrigated		4 39, 352 4 2, 664, 104 6 3, 619, 378 6 5, 490, 360	⁵ 25, 675 ⁵ 1, 446, 114 (7) (7)	13,677 1,217,990	53. 3 84. 2
Percentage irrigated of— Number of all farms. Approximate land area of the state Land in farms. Improved land in farms.		4. 1	35. 4 1. 5 5. 0 12. 1	9. 2 1. 2 4. 5 11. 3	
Excess of acreage enterprises were capable of irrigation acreage irrigated in 1909. Excess of acreage included in projects over acreage irrigated.	ng in 1910 over	955, 274 2, 826, 256			

1 A minus sign (-) denotes decrease.

2 April 15.

3 June 1

4 Tn 1909.

6 In 1899.

6 July 1.

7 Not reported.

Number of farms irrigated.—The number of farms irrigated is made up of the number reported on the supplemental schedules by the regular enumerators, together with an estimate of the number of farms covered by enterprises which were reported by special agents but not by the regular enumerators. This estimate was based upon the average acreage irrigated per farm as shown by the supplemental schedules.

According to the figures presented in the table, irrigation was practiced on somewhat more than two-fifths (44.6 per cent) of the farms in the state in 1909. In 1899 the proportion of irrigated farms was 35.4 per cent and in 1889 it was only 26 per cent. Thus in both decades the number of irrigated farms increased at a higher rate than the number of unirrigated farms.

In 24 of the 58 counties in the state more than half the farms are irrigated, in 2 the proportion is between 40 and 50 per cent, in 5 it is between 30 and 40 per cent, in 7 between 20 and 30 per cent, and in 8 between 10 and 20 per cent, while in 11 it is less than 10 per cent. No irrigation was reported from Del Norte County, in the extreme northwestern part of the state.

In general the counties in which the percentage of farms irrigated is highest are in the south central and southeastern parts of the state, where the climate is so dry as to make irrigation almost essential to the successful growing of crops. Along the coast in the northern part of the state and in the region surrounding San Francisco Bay irrigation is less generally practiced. Imperial County has the largest percentage of farms irrigated, 94.6, and Inyo the next largest, 93.2 per cent.

From 1899 to 1909 the increase in the number of farms irrigated was 9.2 per cent for the state as a whole. Of the 53 irrigated counties which did not change in

area during that period, 28 show increases, varying greatly in degree, and 15 decreases, while for 10 comparative figures are not available. Increases are reported for the combined territory of Fresno and Kings Counties and for the territory which constituted San Diego County in 1900 and Imperial and San Diego Counties in 1910.

Acreage irrigated.—The acreage irrigated is taken from the special schedules filled out by agents from information, secured from owners or officials of irrigation enterprises and, in some instances, from public records. The acreage thus obtained is considerably larger than the irrigated acreage reported on the supplemental schedules filled out by the farm enumerators. This difference is due in a measure to the fact that the special agents found enterprises which were not reported on any schedules returned by the enumerators, indicating that the acreage reported on the supplemental schedules is under the true figure. There is, however, a natural tendency for the officials of irrigation enterprises to report as irrigated the entire area of farms of which only a part was irrigated. Furthermore, some farms are so situated as to receive water from more than one enterprise and may be reported as irrigated by each, which results in duplication. Owing to the two causes last enumerated. it is probable that the acreage reported irrigated is somewhat excessive, but the extent of this excess can not be determined. It is believed, however, to be less than 10 per cent for the state of California.

The total acreage reported as irrigated in 1909 was 2,664,104 acres, as against 1,446,114 acres in 1899 and 1,004,233 acres in 1889. The percentage of increase from 1889 to 1899 was 44, and that from 1899 to 1909, 84.2. The absolute increase during the latter decade was nearly three times as great as that during the former, amounting to 1,217,990 acres, as against 441,881 acres.

The percentage of increase between 1899 and 1909 in the acreage irrigated was considerably higher than that in the number of farms irrigated, the acreage irrigated per farm increasing from 56.3 in 1899 to 67.7 in 1909. As a decrease from 397.4 acres to 316.7 acres in the average size of the farms of the state was reported for the same period, it is probable that farmers are irrigating larger parts of their holdings than formerly. It is not possible, however, to determine how far this is actually the case, as the higher average size shown for 1900 was due to some extent to the inclusion as farm land in 1900 of some tracts of land used for grazing which were not reported as farm land in 1910.

The percentage which irrigated land formed of the total land area of the state increased from 1.5 in 1899 to 2.7 in 1909, and the percentage which such land formed of all land in farms increased from 5 in 1899 to 9.5 in 1909, while the ratio between the irrigated acre-

age and the total improved land in farms increased from 12.1 per cent to 23.4 per cent.

In both 1909 and 1899 the county for which the largest area of irrigated land was reported was Fresno, with an irrigated acreage of 402,318 and 283,737 at the respective censuses. In Tulare County 265,404 acres were irrigated in 1909, and in 5 counties besides the 2 named the area of irrigated lands exceeded 100,000 acres, while in 10 counties the irrigated area was between 50,000 and 100,000 acres.

The county in which irrigated land formed the highest percentage of the total land area in 1909 was Kings, where 25.7 per cent of the land was irrigated.

Acreage included in projects.—The foregoing table shows that in 1910 existing enterprises were ready to supply water to 3,619,378 acres, or 955,274 acres more than were irrigated in 1909. It is probable that, after allowance is made for an increase in the area irrigated in 1910 over that in 1909, there remained at the close of 1910 under ditch but not irrigated considerably more than half as much land as was brought under irrigation in the 10 years from 1899 to 1909. The acreage included in projects exceeds the acreage irrigated in 1909 by 2,826,256 acres, which is more than twice the acreage brought under irrigation in the last decade and somewhat greater than the total area irrigated in 1909. This acreage represents the area which will be available for the extension of irrigation in the next few years upon the completion of projects now under way and without new undertakings. It indicates in a general way the area available for settlement, although much of this unirrigated land is in farms already settled.

Acreage irrigated, classified by character of enterprise.—The following table gives the distribution of the acreage irrigated in 1909 according to the character of the enterprise controlling the irrigation works. There are no Carey Act enterprises in California.

	ACREAGE IRRIGATED IN 1909.				
CHARACTER OF ENTERPRISE.	Amount.	Per cent distribu- tion.			
All classes. U. S. Reclamation Service. U. S. Indian Service. Irrigation districts. Cooperative enterprises. Commercial enterprises. Individual and partnership enterprises.	173,793 779,020	100. 0 (1) 0. 1 6. 5 29. 2 28. 0 36. 1			

1 Less than one-tenth of 1 per cent.

Irrigation districts, cooperative enterprises, and individual and partnership enterprises, which together supplied about 72 per cent of the acreage irrigated in 1909, are all controlled by the water users. Commercial enterprises, the only other class in the state that irrigated any extensive acreage in 1909, supplied 28 per cent of the total irrigated area.

Acreage irrigated, classified by source of water supply.—The following table shows the distribution of the acreage irrigated in 1909 according to the source of water supply.

As in other states, streams are the principal source of supply of water for irrigating, but in California wells supply much more land than in any other state. Much land receives water from both sources, but most of this is credited to streams.

	ACREAGE IRRIGATED IN 1909.			
SOURCE OF WATER SUPPLY,	Amount.	Per cent distribu- tion.		
All sources. Streams. Lakes. Wells. Springs. Reservoirs.	2,246,722 18,470 350,723	100. 0 84. 3 0. 7 13. 2 1. 2 0. 6		

IRRIGATION WORKS.

The table following summarizes the data collected relating to works for supplying water for irrigation in 1910. As none of the items reported in 1910 were reported in 1900 for all irrrigation works in the state, there is no opportunity for comparisons between the two censuses.

Independent enterprises	number	13,970
Ditches, total length	milos	21,129
Main ditches		8,590
Length	miles	12,620
Capacity		89,597
Lateral ditches		6, 143
Length	miles	8,509
Reservoirs		1,583
Capacity	acre-feet	743, 269
Flowing wells		2,361
Capacity		477, 343
Pumped wells		10,724
Capacity		4, 119, 575
Pumping plants		9,297
Engine capacity	horsepower	128, 143
Pump capacity	gals, per minute	5, 276, 298

Assuming that the enterprises in operation in 1909 were identical with those reported in 1910, the average acreage irrigated per enterprise in 1909 was 190.7, and the acreage irrigated per mile of main ditch was 211.1.

This table and the preceding one relating to source of supply show the extent to which underground water is utilized for irrigation in California. The flowing wells, of which there were 2,361, with a total capacity of 477,343 gallons per minute, irrigated

74,128 acres in 1909. The great majority of these wells are in southern California and the San Joaquin Valley, 93.7 per cent of the total number reported and 96.9 per cent of the land thus irrigated being in Kern, Kings, Los Angeles, Orange, Riverside, San Bernardino. Santa Clara, and Tulare Counties. Of the 10,724 pumped wells reported, 5,248 were in the counties named and 4,503 in Fresno, Merced, Monterey, Sacramento, San Benito, San Diego, San Joaquin, and Ventura Counties. The pumped wells in these two groups of counties irrigated 258,687 of the 276,595 acres irrigated by such wells in the entire state.

Pumping from lakes and streams has also been practiced extensively in many sections of the state. 32,539 acres having been irrigated in this way in 1909. Water pumped from all sources, including lakes, streams, and wells, supplied an area of 309,134 acres. It should be noted that this figure represents only the acreage which received water wholly or mainly from pumps, and hence does not take into account large areas where in addition to a flow from gravity ditches a supplemental supply from pumped wells is received in times of temporary scarcity or drought. The pumping plants and wells so used are included in the totals given in the table, but the acreage thus irrigated is credited to the source of supply upon which the greater dependence is placed.

COST OF CONSTRUCTION, OPERATION, AND MAINTENANCE.

The table following shows the total cost of irrigation enterprises up to July 1, 1910, including construction of works and acquisition of rights but not operation and maintenance, with the average cost per acre, based on the acreage the enterprises were capable of irrigating in 1910; the estimated final cost of enterprises completed and enterprises now under construction, with the average cost per acre, based on the acreage included in projects; and the total cost and average cost per acre of operation and maintenance in 1909. Similar data from the census of 1900, so far as available, are included for comparison.

The cost of operation and maintenance is not reported for individual and partnership enterprises, for the reason that farmers whose land is irrigated by such systems generally clean their own ditches at odd times without keeping any record of the time spent. In the case of larger enterprises this cost represents a cash outlay by the farmers, while in the case of many of the smaller cooperative enterprises the cost is worked out by the farmers.

	CENSU	s of-	increase.			
	1910	1900	Amount.	Per cent.		
Cost of irrigation enterprises Average per acro Estimated final cost of existing	1 \$72,580,030 3 \$20.05	2 \$19, 181, 610 4 \$13. 27	\$53,398,420 (5)	278. 4		
enterprises	\$84,392,344	(6)				
Average per acre included in projects	\$15.37	(0)				
Operation and maintenance: Acreage for which cost is reported. Total cost reported. Average cost per acre.	1,368,247 7 \$2,109,431 \$1.54	(6) (6) (5)				

1 Reported July 1.
2 Cost of construction of systems operated in 1899, exclusive of those on Indian eservations.
3 Based on acreage enterprises were capable of irrigating in 1910.
4 Based on acreage irrigated in 1899, exclusive of 242 acres on Indian reservations.
5 Figures not comparable. (See explanation in text.)

7 For 1909.

The cost of irrigation systems shows the largest increase of any item included in the census of irrigation, 278.4 per cent. In the average cost per acre there was also a considerable increase. The average cost per acre shown for 1910 is based on the acreage to which enterprises were capable of supplying water in that year, but since the corresponding acreage for 1900 was not reported, the figure for average cost at the earlier census is based on the acreage irrigated in 1899, and consequently is not comparable with the figure for the last census. If computed on the basis of the acreage irrigated in 1909, the average cost per acre in 1910 would be \$27.24, representing an increase of 105.3 per cent over the figure for the average cost at the census of 1900. The largely increased cost of irrigation enterprises is due in a considerable measure to the expensive equipment installed to secure a water supply and protect it from loss by seepage and evaporation, in sections where water is scarce and crop values are high. Furthermore, a number of large enterprises are under construction upon which considerable expenditures have been made, but which are irrigating little land as yet, making the average cost reported higher than the true average. The average based on the estimated final cost and the acreage included in projects, \$15.37 per acre, probably more truly represents the average cost per acre of irrigation in California.

The county showing the lowest average cost per acre enterprises were capable of irrigating in 1910, \$1.29, is Mono, where much of the irrigated land consists of flooded pastures. The highest average cost per acre, \$368.40, is in Nevada County, where the unusual cost is due to the fact that many of the ditches now used for irrigation were originally constructed at heavy expense for mining purposes.

The acreage for which cost of operation and maintenance in 1909 was reported forms 51.4 per cent of the total acreage reported as irrigated in 1909, and 80.3 per cent of the acreage reported as irrigated by other than individual and partnership enterprises. The cost reported can be said, therefore, to represent fairly the average annual expense for all but individual and partnership enterprises.

CROPS.

As previously stated, the data relating to irrigated crops are taken from supplemental schedules filled out by the regular census enumerators. Since the special agents found enterprises which the enumerators had not reported, it is evident that the information relating to irrigated crops is incomplete to some extent. It shows, however, the relative importance of the dif-

ferent irrigated crops, and is sufficiently complete to afford reliable averages of yields and for comparison with totals for the state.

The following table shows the acreage, yield, and value of the principal crops reported as grown under irrigation in 1909, in comparison with totals for the same crops reported for the entire state:

		ACREAGE.			YIELD.		VALI	une.
CROP,			ted.		m-1-16-	On		For
	Total for state.	Amount.	Per cent of total.	Unit.	Total for state.	lirrigated land.	Total for state.	irrigated land.
Cereals: Corn. Oats. Wheat. Barley. Rye.	51,935 192,158 478,217 1,195,158 7,027	17,802 5,903 22,603 77,785	34.3 3.1 4.7 6.5 1.5	Bushels Bushels Bushels Bushels Bushels	1, 273, 901 4, 143, 688 6, 203, 206 26, 441, 954 70, 683	491,978 205,727 408,706 1,844,971 1,265	\$1,077,411 2,637,047 6,323,983 17,184,508 65,846	\$440,312 137,160 428,668 1,097,541 1,133
Other grains and seeds; Alfalfa seed. Dry edible beans. Dry peas.	157,087	2,570 11,384 290	29.3 7.2 9.8	Bushels Bushels	23,791 3,328,218 57,468	5,911 244,624 9,902	200, 823 6, 295, 457 101, 016	53,829 878,770 15,331
Hay and forage: Timothy alone. Timothy and clover mixed. Clover alone. Alfalfa. Other tame or cultivated grasses 1 Wild, salt, or prairie grasses. Grains cut green. Coarse forage.	8,519 484,134 92,556 253,127 1,604,745	8,026 20,880 1,176 366,692 6,504 153,672 101,187 7,593	58.5 44.7 13.8 75.7 7.0 60.7 6.3 29.4	Tons	73, 183 20, 380 1, 630, 707 122, 103 281, 033 2, 019, 526	11, 236 34, 177 2, 689 1, 280, 105 10, 656 189, 964 146, 013 19, 151	185,579 629,575 213,289 13,088,530 1,280,911 2,028,494 24,056,727 438,095	90, 083 316, 993 40, 429 9, 983, 370 112, 097 1, 194, 716 1, 532, 681 152, 542
Sundry crops: Potatoes Sugar beets Orchard fruits Small fruits Tropical fruits Nuts Grapes	78,957 (2) 9,687 (2) (2)	32,735 14,657 73,491 6,876 98,969 22,429 74,984		Bushels Tons	845,191		4,879,449 4,320,532 18,358,897 1,789,214 16,751,034 2,959,845 10,846,812	2, 440, 931 839, 561 6, 397, 138 1, 585, 808 15, 269, 911 1, 637, 741 3, 038, 435

¹ Includes millet or Hungarian grass.

² Agriculture returns show number of trees and vines, and not acreage.

Although considerable quantities of other crops are grown both on irrigated and unirrigated land, the leading crops of the state, as well as the leading crops grown under irrigation, are represented in the table. In the reports of the agricultural census the acreages of seed crops are not usually given, but since the growing of alfalfa seed is coming to be an important industry in the irrigated sections of the country, statistics for this crop are given in the preceding table.

Acreage.—Of the entire acreage of the crops for which totals are presented in the table, slightly less than one-fifth is irrigated, the proportion irrigated varying widely for the different crops.

The cereals are very generally grown without irrigation, only 6.5 per cent of the total acreage of the cereal crops given in the table being irrigated. The highest percentage of acreage irrigated shown for any cereal, 34.3, is reported for corn, and the next highest, 6.5, for barley. The proportions for wheat and oats are, respectively, 4.7 and 3.1 per cent.

The hay and forage crops are more generally irrigated than the cereals, the irrigated acreage forming 26.3 per cent of the total reported for these crops. In the case of three of the eight hay and forage crops included in the table more than half of the total acreage is irrigated. For alfalfa the proportion is 75.7 per cent, for "wild, salt, or prairie grasses" 60.7 per cent, and for "timothy alone" 58.5 per cent.

Of the entire acreage in potatoes 48.4 per cent was irrigated in 1909 and of that in small fruits 71 per cent. Sugar beets are grown for the most part without irrigation in California, only 18.6 per cent of the total acreage of the crop being irrigated. The relative importance of the irrigated acreage in orchard and tropical fruits can not be determined, because the total acreage devoted to such fruits was not reported. It will be observed, however, that more than onethird of the value of all orchard fruits produced in the state and more than nine-tenths of the value of all tropical fruits produced represent the value of products grown on irrigated land. The value of the nuts grown on irrigated land forms 55.3 per cent of that of the total crop and the value of grapes from irrigated land 28 per cent of that of all grapes grown.

Of the crops shown in the table, alfalfa has the largest irrigated acreage, such acreage representing 32.5 per cent of the total irrigated area of the crops given. "Wild, salt, or prairie grasses" are next, with 13.6 per cent of this total, followed by grains cut green, with 9 per cent; tropical fruits, with 8.8 per cent; barley, with 6.9 per cent; grapes, with 6.6 per cent, and orchard fruits, with 6.5 per cent. No other single crop occupies as much as 3 per cent of the total acreage of the irrigated crops presented in the table. It will be observed, however, that, in point of value, the alfalfa crop is exceeded by that of tropical fruits, which contributed 32.4 per cent of the total value of irrigated crops, as against 21.2 per cent for alfalfa.

While many of the crops irrigated are well distributed geographically, there is a tendency toward the concentration of certain crops in particular localities. This is shown by the following statement, which gives the counties having the largest acreages of the principal irrigated crops, with the proportions which each contains of the total irrigated acreages of these crops in the state.

Corn.—Kern County, 29.4 per cent; Los Angeles, 13.4 per cent; Inyo, 10.5 per cent; Tulare, 7.9 per cent.

Oats.—Plumas County, 29 per cent; Lassen, 11.3 per cent; Siskiyou, 10.9 per cent; Inyo, 8.7 per cent.

Wheat.—Kern County, 20 per cent; Tulare, 17.9 per cent; Kings, 15.1 per cent; Lassen, 12.5 per cent.

Barley.—Imperial County, 43.9 per cent; Kings, 15.4 per cent; Kern, 8.2 per cent; Merced, 7.6 per cent.

Alfalfa seed.—Kings County, 47.7 per cent; Fresno, 17.6 per cent; Lassen, 10.8 per cent; Kern, 9.4 per cent.

Dry edible beans.—San Joaquin County, 64.2 per cent; Orange, 13.1 per cent; Ventura, 6.4 per cent; Contra Costa, 5.2 per cent.

Timothy alone.—Shasta County, 30.7 per cent; Plumas, 19.5 per cent; Modoc, 14.1 per cent; Siskiyou, 11.5 per cent.

Timothy and clover mixed.—Siskiyou County, 30.1 per cent; Lassen, 16.7 per cent; Plumas, 15.3 per cent; Shasta, 8.2 per cent.

Clover alone.—Nevada County, 18.3 per cent; Shasta, 16.1 per cent; Eldorado, 15.1 per cent; Yuba, 11.7 per cent.

Alfalfa.—Fresno County, 11.7 per cent; Stanislaus, 10.8 per cent; Merced, 10.3 per cent; Kings, 8.5 per cent.

"Other tame or cultivated grasses."—Siskiyou County, 26.4 per cent; Sierra, 20.5 per cent; Modoc, 10.3 per cent; Nevada, 8.9 per cent.

"Wild, salt, or prairie grasses."—Modoc County, 33 per cent; Lassen, 24 per cent; Plumas, 12.1 per cent; Sierra, 8 per cent.

Grains cut green.—Fresno County, 22.3 per cent; Imperial, 20.5 per cent; Kern, 11.9 per cent; Kings, 10.2 per cent.

Coarse forage.—Tulare County, 33.8 per cent; Fresno, 15.8 per cent; Imperial, 12.3 per cent; Los Angeles, 10.6 per cent.

Potatoes.—San Joaquin County, 48 per cent; Contra Costa, 20 per cent; Los Angeles, 9.3 per cent; Orange, 4.5 per cent.

Sugar beets.—Monterey County, 34.3 per cent; Los Angeles, 30.6 per cent; Santa Barbara, 13.5 per cent; Orange, 8.7 per cent.

Orchard fruits.—Fresno County, 31.9 per cent; Placer, 14.8 per cent; Tulare, 8.4 per cent; Santa Clara, 6.5 per cent.

Small fruits.—Los Angeles County, 30.4 per cent; Santa Clara, 13.9 per cent; Sacramento, 10.9 per cent; Santa Cruz, 7.2 per cent. Tropical fruits.—San Bernardino County, 25.6 per cent; Los Angeles, 24.8 per cent; Riverside, 14.2 per cent; Tulare, 11.6 per cent.

Nuts.—Orange County, 46 per cent; Los Angeles, 34.7 per cent; Ventura, 12.1 per cent.

Grapes.—Fresno County, 62.6 per cent; Tulare, 12.2 per cent; Kings, 6.2 per cent; Sacramento, 5.7 per cent.

Of the total irrigated acreage of fruit trees and vines not bearing in 1909, amounting to 59,031, 36.1 per cent was in Fresno County, 14 per cent in Tulare County, 8 per cent in Orange County, and 7.2 per cent in Los Angeles County.

Yield.—In the table following the average yields per acre of crops extensively grown, both with and without irrigation, are shown. The yields on unirrigated land are obtained by subtracting the totals for irrigated crops from the totals for the state.

For all the crops given in the table, except alfalfa seed, "timothy alone," and "clover alone," there were greater average yields in 1909 on irrigated than on unirrigated land. The relative excess is greatest in the case of oats, 65.4 per cent, and next greatest in the case of wheat, 42.5 per cent.

For the cereals there was in every case an excess in the average yield under irrigation over that without irrigation, this excess ranging from 7.7 to 65.4 per cent. In the case of six of the hay and forage crops the average yield on irrigated land was greater than that on unirrigated land, the differences varying from 8.6 to 34.8 per cent, but for two a greater average yield on unirrigated land was reported. Comparisons can not be made for fruits, for the reason that the agricultural

returns do not give the total acreage devoted to these crops.

•	AVERAG	E YIELD PE	R ACRE.		
		On irrigated land.			
CROP.	On unirrigated land.	Amount.	Per cent of excess over yield on unirrigated land,1		
Corn bushels Oats bushels Wheat bushels Barley bushels Alfalfa seed bushels Timothy alone tons Timothy alone tons Clover alone tons Other tame or cultivated grasses tons Wild, salt, or prairie grasses tons Coarse forage tons Potatoes bushels Sugar beets tons	21. 1 12. 7 22. 0 2. 9 21. 0 1. 54 1. 51 2. 41 3. 06 1. 30 0. 92 1. 25 2. 27	27. 6 34. 9 18. 1 23. 7 2. 3 21. 5 1. 40 2. 29 3. 49 1. 64 1. 24 2. 52 158. 2 2 11. 70	20. 5 65. 4 42. 5 7. 7 -20. 7 -2. 4 -9. 1 8. 0 -5. 0 14. 1 26. 2 34. 8 15. 2 11. 0 19. 0		

 $^{\rm I}$ A minus sign (—) indicates that the yield on irrigated land is less than that on unirrigated land.

In considering these comparisons it should be borne in mind that they are not comparisons of yields on irrigated and on unirrigated land in the same localities, but of yields under irrigation in localities where crops can not be grown to advantage without it with yields in localities where irrigation is not necessary. They do not indicate, therefore, the relative advantages of farming with and without irrigation in a given community, but rather give one factor for determining the relative advantages of farming where irrigation is necessary and where it is not necessary for the successful growing of crops.

COUNTY TABLE.

The next table gives in detail, by counties, the data summarized above, except those relating to crops. For purposes of comparison the total number of farms in the state, the approximate land area of the state, the total land in farms, and the improved land in farms have been included in the table.

Certain irrigation enterprises extend into more than one county, and in the case of some of these enterprises the reports do not segregate the data by counties. In such cases a distribution has been made according to the best estimates possible from all the information in the possession of the bureau. It is believed that these estimates are approximately correct.

The number of farms irrigated in 1909 includes 350 farms in Contra Costa, Del Norte, Humboldt, Marin, Mendocino, Napa, San Francisco, San Mateo, Santa Cruz, Sonoma, and Sutter Counties, shown under "all other counties" in Twelfth Census report, and 64 farms on Indian reservations.

The acreage irrigated in 1909 includes 3,834 acres in Contra Costa, Del Norte, Humboldt, Marin, Mendocino, Napa, San Francisco, San Mateo, Santa Cruz,

Sonoma, and Sutter Counties, shown under "all other counties" in Twelfth Census report, and 242 acres on Indian reservations.

The figures for number and length of main ditches for 1899 relate only to main ditches, outside of Indian reservations, receiving water by gravity from streams, lakes, and springs in 1899 and used chiefly or solely for irrigation purposes.

Figures for cost in 1899 are exclusive of Indian reservations.

Change of boundaries.—In comparing the data secured for 1910 with those from the census of 1900, the following changes in county boundaries should be considered: (1) The organization of Imperial County from a part of San Diego County in 1907; and (2) the annexation of a part of Fresno County to Kings County in 1909.

Land in farms in Sutter County.—In accordance with instructions to assign all of the acreage of a farm to the county in which the residence of the operator was located, a large acreage in adjoining counties has been tabulated as in Sutter County.

ACREAGE IRRIGATED, EXTENT AND COST OF IRRIGATION ENTERPRISES, AND COST OF OPERATION AND MAINTENANCE, BY COUNTIES: 1909 AND 1910.

[Comparative data for 1899 in italics.]

-		Тне	1,2		l ,	I 70 11		i	Contra	
	, .	STATE.	Alameda.	Alpine.	Amador.	Butte.	Calaveras.	Colusa.	Costa.	Eldorado.
1 2	Number of all farms in 1910. Number of farms irrigated in 1909.	1 88, 197 39, 352	2,422 50	42 32	537 73	1,500 556	632 154	667 112	1,465 78	716 244
1 2 3 4 5	Per cent of all farms Number of farms irrigated in 1800 Per cent of increase, 1899–1909.	44. 6 2 25, 675	2.1	76. 2 33	13.6 137	37.1	24. 4 148	16.8	5.3 ⁷³	34.1 295
5	Per cent of increase, 1899-1909.	53, 3	4 50. 5	43.0	4 46. 7	22. 2	7.7	80.6		4 17. 3
6	LAND AND FARM AREA Approximate land areaaeres. Land in farmsaeres.	1 09, 617, 280	468,480 311,327	496, 640	384,640	1,102,080	657, 280	729,600	456,960	1,121,920 210,881
6 ; 7 ; 8 ;	Land in farms acres. Improved land in farms acres.	1 09, 617, 280 1 27, 931, 444 1 11, 389, 894	177.314	32,004 7,579	291,730 46,969	490, 777 247, 097	271,401 59,104	522,376 336,509	406, 433 262, 152	41,682
10 11	Per cent of total land area.	2, 664, 104 2, 7 9, 5	1,859 0.4	3,349 0.7	826 0.2	28,754 2.6	1,275 0.2	4,276 0.6	26, 856 5, 9	5,122 0.5
12 13	Per cent of improved land in farms.	23. 4 21, 446, 114	0.6 1.0 2,532	10.5 44.2 4,891	0.3 1.8	5.9 11.6 7,832	0.5 2.2 1,476	0.8 1.3 2,995	6.6 10.2	2.4 12.3
14 15	Land in larms. acres Improved land in farms. acres Acreage irrigated in 1909. Per cent of total land area. Per cent of land in farms. Per cent of improved land in farms. Acreage irrigated in 1800. Per cent of increase, 1890–1909. Acreage enterprises were capable of irrigating in 1910. Acreage included in projects.	84. 2 3, 619, 378	4 26.6	4 23. 7 3, 399	1,167 4 29.2 3,973	292. 2 115, 075	13.6 3,161	42.8 16,541	(³) 32,562	8,387 51.2 5,501
16	Acreage included in projects.	5, 490, 360	1,872 2,605	3,435	4, 139	233, 500	3,919	18,783	32, 640	20, 264
	ACREAGE IRRIGATED AND INCLUDED IN PROJECTS						·			
17	CLASSIFIED BY CHARACTER OF ENTERPRISE. U. S. Reclamation Service, irrigated in 1909.	400								
17 18 19 20 21 22 23 24 25	Enterprises were capable of irrigating in 1910 Included in projects	1,200 14,200	• • • • • • • • • • • • • • • • • • • •							
20 21	U. S. Indian Service, irrigated in 1909 Enterprises were capable of irrigating in 1910	3,490 3,490								
22 23	Included in projects. Carey Act enterprises, irrigated in 1909	3,800								
	U. S. Reclamation Service, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. U. S. Indian Service, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. Carey Act enterprises, irrigated in 1909. Enterprises were capable of irrigating in 1910 Included in projects.									
26 27 28 29 30		173,793 294,108								
28 29	Enterprises were capable of irrigating in 1910 Included in projects Cooperative enterprises, irrigated in 1909 Enterprises were capable of irrigating in 1910 Included in projects	606,351 779,020	• • • • • • • • • • • • • • • • • • • •					875		200
	Included in projects	1,388,435					••••••••••••••••••••••••••••••••••••••	2,500 8,450	•••••	480 480
32 33 34 35 36 37	Commercial enterprises, irrigated in 1909 Enterprises were capable of irrigating in 1910	746,265 1,204,059 1,965,063			360 3,500	24,930 110,200	100 1	1,000 1,000		3,661 3,661
34 35	Included in projects. Individual and partnership enterprises, irrigated in 1909	1,965,063 961,136	1,859 1,872	3,349	3,500 466	221,450 3,824	1,300 1,700 1,095 1,861	2,000 2,401	26,856	17,801 1,261
36 37	Commercial enterprises, irrigated in 1909	1,131,951 1,512,511	1,872 2,605	3,399 3,435	473 639	4,875 12,050	1,861 2,219	13,041 13,333	26,856 32,502 32,640	1,360 1,983
	ACREAGE IRRIGATED CLASSIFIED BY SOURCE OF WATER SUPPLY.			**						
38		2, 246, 722 2, 216, 757	651	3,194	781	27,803	906	4,258	26,504	3,557
38 39 40 41	Supplied from streams. By gravity. By pumping. Supplied from lakes. By gravity. By pumping.	2,216,757	546 105	3,194 115	770 2	27,771 32	893 13	3,318 940	20,818 5,686	3,557
42 43	By gravity	18,470 15,896 2,574		115						1,500 1,500
44	Supplied from wells	350,723 74,128	1,125	•		646	52	11	267	
46 46	FlowingBy pumping	276, 595	1,125			646 305	48 247	11 7	30 237 85	65
45 46 47 48 49	Supplied from wells. Flowing. By pumping. Supplied from springs. Supplied from reservoirs. Total acreage supplied by pumping.	31,779 16,410 809,134	83 1,230	40	45 2	678	70 61	951	5,923	00
70	IRRIGATION ENTERPRISES	000,101	1,200						0,820	
50 51	Independent enterprisesnumber Number in 1890 5	13,970	53	21	. 49	144	150	45	185	50
50 51 52 53 54 55	Per cent of increase, 1899–1910	8,590	49	25	55	135	148	38	176	56
54 55	Number in 1899 5. Per cent of increase, 1899-1010.	1,913			100					
	Independent enterprises number	12,620 5,106	21	34	185	270	124	44	172	285
57 58 59 60 61	Capacity	89,597 6,143	605	179 3	255 12	2,028 145	206 32	531 10	60	445 25
61 62	Longth miles	8,509 1,583	52	ĭ	56 14	170	31 29	7	i	25 55 22
63	Reservoirs number Capacity acre-feet	743, 269	3		309	27 360	12,029		1	22 711
64 65	Flowing wells number Capacity gallons per minute Pumped wells number	2,361 477,343 10,724	56			46	40	3	143 26	
67 68	Capacity. gallons per minute. Pumping plants	4, 119, 575 9, 297	3,740 57		1	29, 686 46	844 9	977 12	1,339 30	
65 66 67 68 69	Capacity gallons per minute Pumping plants number Engine capacity horsepower Pump capacity gallons per minute.	128,143 5,276,298	384 5,019		5 100	555 32,391	1,094	516 51,365	751 138,947	
	COST			# /Ar	not one					0/2.000
71 72 73 74	Cost of enterprises up to July 1, 1910dollars Cost in 1899 6dollars	72,580,030 19,181,610	57,156	7,493	265,608	1,231,894	121,033	76,112	90, 503	346,939
73 74	Per cent of increase, 1899-1910 Average cost per acre enterprises were capable of irri-	278, 4 20, 05	30.53	2. 20	66.85	10.71	38, 29	4,60	2.78	63.07
75 76 77	Average cost per acre enterprises were capable of irrigating in 1910. Average cost per acre irrigated in 1899. dollars. Average cost of existing enterprises. Average per acre included in projects. dollars.	15.27 84,392,344	57, 156	7,493	265, 608	1,381,894	121,033	76,112	90,503	846,939
77	Average per acre included in projectsdollars	15.37	21.94	2,18	64.17	5.92	30.88	4.05	2.77	17.12
78	OPERATION AND MAINTENANCE Acreage for which cost is reported	1,368,247			360	24,380	140	800		3,590
78 79 80 81 82	Total cost reported	1,368,247 2,109,431 1.54		•••••	8, 505 23. 63	28,546 1,17	918 6.56	4,055 5.07		16,325 4.55
81 82	Average cost per acre in 1899 5 dollars. Per cont of increase, 1899–1909.									
							t in Marcal St			

¹ Includes figures for Del Norte County, from which no irrigation is reported at the census of 1910.
² Includes figures shown under "all other counties" in Twelfth Census report, and for Indian reservations. (See explanation at close of text.)

Included in "all other counties" in Twelfth Census report.
 Decrease.
 Not reported.
 Not reported by counties. (See explanation at close of text.)

IRRIGATION—CALIFORNIA.

ACREAGE IRRIGATED, EXTENT AND COST OF IRRIGATION ENTERPRISES, AND [Comparative data for 1899 in italics.]

F		Fresno.	Glenn,	Hum-	Imperial.	Inyo.	Kern.	Kings,1	Lake.	Lassen.
				boldt.						Dassell,
1 2 3	Number of all farms in 1910	6,245 5,310	663 196 29, 6	1,534 33 2,2	1,322 1,250 94.6	438 408 93. 2	1, 167 876 75. 1	1,837 1,126 61.3	603 43 7. 1	502 355 70, 7
4 5	Per cent of all farms. Number of farms irrigated in 1809. Per cent of increase, 1899-1909.	2,459	192.5	(²) ~	(1)	362 12. 7	658 34. 2	780	3 4. 4 3 4. 4	70. 7 \$13 13. 4
	LAND AND FARM AREA		005 500	0.005.700	0.010.000		# 101 000			
6 7 8	Approximate land area acres. Land in farms acres. Improved land in farms. Acreage irrigated in 1909 Per cent of total land area. Per cent of land in farms Per cent of land in farms Acreage irrigated in 1890 Per cent of increase, 1899–1909 Acreage enterprises were capable of irrigating in 1910 Acreage included in projects	3,808,000 1,106,616 590,205	805,760 491,198 309,765	2,325,760 642,536 105,248	2,616,960 223,602 176,069	6,412,160 110,142 38,698	5, 121, 920 1, 403, 350 315, 387	741,760 373,823 196,569	817, 920 217, 464 42, 768	2,899,840 295,728 122,057
8 9 10	Acreage irrigated in 1909 Per cent of total land area	402,318 10,6	5,661 0.7	(4)	190,711 7.3	38,698 65,163 1.0	190,034 3.7	190,949 25.7	582 0. 1	122, 057 77, 079 2, 7
11 12	Per cent of land in farms. Per cent of improved land in farms.	36. 4 68. 2 283, 737	1.2 1.8 1.382	0, 2 (2)	85. 3 5 108. 3 (¹)	59. 2 5 168. 4 41,026	13.5 60.3 112,533	51. 1 97. 1 92, 794	0.3 1.4 <i>523</i>	26. 1 63. 2
10 11 12 13 14 15	Per cent of increase, 1899-1909 Acreage enterprises were capable of irrigating in 1910	560,326	309, 6 16, 804	333	242,000	58. 8 71, 815	68.9 217,418	289, 523	11.3 828	49,634 55.3 89,815
16	Acreage included in projects. ACREAGE IRRIGATED AND INCLUDED IN	633, 652	220, 664	966	375,000	92,319	402,800	310, 523	1,268	149, 530
	CLASSISTED BY CHARACTER OF THEFTON									
17 18	U. S. Reclamation Service, irrigated in 1909 Enterprises were capable of irrigating in 1910		400 1,200							*********
17 18 19 20 21 22 23 24 25	Included in projects. U. S. Indian Service, irrigated in 1909.		14, 200							
21 22 23	Enterprises were capable of frigating in 1910		••••••							• • • • • • • • • • • • • • • • • • • •
24 25	U. S. Reolamation Service, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. U. S. Indian Service, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. Carey Act enterprises, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects.									
26 27	Irrigation districts, irrigated in 1909. Enterprises were canable of irrigating in 1919	9,329			<i></i>			025		
26 27 28 29 30 31	Irrigation districts, irrigated in 1909 Enterprises were capable of irrigating in 1910. Included in projects. Cooperative enterprises, irrigated in 1909 Enterprises were capable of irrigating in 1910. Trainfield in resist	21,335 52,017			190,711 242,000			2,785 136,480		2.740
30 31	included in projects	00,100			242, 000 375, 000	25,400 27,200 37,700	6,720 9,020 13,800	170,480 177,020		2,740 5,080 7,200
32 33	Commercial enterprises, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. Individual and partnership enterprises, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects.	304, 528 417, 379	2,500 9,000				111,580 129,200	34,032		6,200 15,000
32 33 34 35 36 37	Included in projects. Individual and partnership enterprises, irrigated in 1909	452, 809 36, 444	198,000 2,761			39.763	111,580 129,200 275,068 71,734	93, 781 19, 512 22, 477	582	52,000 68,139
37	Included in projects	50, 120 71, 010	6, 604 8, 464	966 966		44, 615 54, 619	79, 138 113, 938	22,477 36,937	828 1,268	69, 735 90, 330
	ACREAGE IRRIGATED CLASSIFED BY SOURCE OF WATER SUPPLY.									
38 39 40	Supplied from streams By gravity By pumping	380, 109 378, 472	5, 463 4, 282	179 179	190,711 190,711	62, 402 62, 402	183, 112 183, 112	178, 187 178, 187	359 301	62,342 62,322
41 42	I Supplied from lakes	I 48∩ I	1, 181			••••••	4	320 320	58	20 720
· 43	By gravity. By pumping.		*********			•••••	4			720
45 46	Supplied from wells. Flowing. By pumping. Supplied from springs. Supplied from reservoirs? Total acreage supplied by pumping.	21,729	198 198			141 141	6,387 2,097 4,290	12,442 11,400 1,042	10 2 8	***********
47 48 49	Supplied from springs. Supplied from reservoirs.	,		18		1,620 1,000	531		213	4,002 10,015
49	IRRIGATION ENTERPRISES		1,379	11			4,294	1,042	66	740
50 51 52 53	Independent enterprises	975	116	33	9	188	244	77	43	233
53 54	Main ditches	254	50	33	12	184	178	27	44	295
≠ 55 56 57	Length miles	831	136	26	117	396	441	137	26	368
58 59	Length in 1899 7 milles Per cent of increase, 1899–1910 Capacity cubic feet per second Laterals number	6,299	1,659	145	3,250	2,752	9,990	4,840	90	2,248
60 61 62	Length number miles.	688 1,354	554 1,073	4 2	179 890	326 168	118 257	51 159	21 2	263 116
63	Length miles Reservoirs number Capacity acre-feet	402	45, 009	5 7		11,300	51 1,601	37 111	3 2	169,552
64 65 66	Flowing wellsnumber. Capacity	3 450				10 500	25 12,283	75 19,436	1 75	
67 68	Capacity gallons per minute Pumping plants	855 443,024 888	26, 484 77	105 1		100	90, 618	8,700	272	
69 70	Pump capacitygallons per minute	8,990 515,380	896 62,449	105		1 5 100	2,846 90,668	18 174 12,759	11 49 4,577	90 6,100
71	Cost of enterprises up to July 1 1910	1,898,460	1, 519, 561	29,027	4,955,272	962,698	1,788,635	687,381	12, 124	884,965
72 73 74	Per cent of increase, 1899-1910. dollars						.,,00,000	001,001	14, 144	
75	A pergoe cost mer gave invigated in 19007	3.39	90.43	87. 17	20.48	18, 41	8, 23	2.37	14.64	9, 85
76 77	Average per acre included in projectsdollars	1,898,460 3.00	3,716,976 16.84	29,027 30.05	5,884,182 15.69	962, 698 10. 43	1,788,635 4.44	687, 381 2, 21	12, 124 9. 56	1,034,965 6.92
78	OPERATION AND MAINTENANCE Acreage for which cost is reported	352, 569			190,711	25,400	4,080	156, 100		6,920
78 79 80 81	Total cost reported dollars. Average per acre for which cost is reported dollars. Average cost per acre in 1899 dollars. Collars.	56, 172 0. 16			393,724 2.06	9,946 0.39	5,533 1.36	40,800 0.26		18,450 2.67
82	Per cent of increase, 1899-1909						•••••			
	Change of boundary (See explanation at close of tart) are all				·			<u> </u>	·	

Change of boundary. (See explanation at close of text.) Included in "all other counties" in Twelfth Census report. Decrease. Less than one-tenth of 1 per cent.

COST OF OPERATION AND MAINTENANCE, BY COUNTIES: 1909 AND 1910—Continued.

[Comparative data for 1899 in italics.]

Property Intelligence 1997 19		[Comparative data for 1889 in Italies,]										
2				Madera.	Marin.			Merced.	Modoc.	Mono.	Monterey.	Napa.
Progression	3 4	Number of farms irrigated in 1909 Per cent of all farms Number of farms irrigated in 1899 Per cent of increase, 1899–1909.	4,669 59.0 4,066	27. 6 120	1.2 (2)	17.0 66	2, 9	1, 417 76. 3 520	59.4	83. 5 97	258 15.6 88	$\frac{36}{2.3}$
Classerum by Characters or Retermans U. H. Rechardson Service, irrigated in 1909.	7 8 9 10 11 12 13 14 15 16	Approximate land area acres. Land in farms acres. Improved land in farms acres. Acreage irrigated in 1909. Per cent of total land area Per cent of land in farms Per cent of improved land in farms Acreage irrigated in 1899. Per cent of increase, 1899–1909. Acreage onterprises were capable of irrigating in 1910. Acreage included in projects	757,985 418,998 145,586	620, 663 391, 086 38, 705 2. 9 6. 2 9. 9 23, 152 67. 2 51, 230	263, 442 93, 115 67 (4) 0.1 (2)	206, 059 37, 017 376 (4) 0.2 1.0 574 3 34. 5	82, 578 371 (4) 0.1 0.4 (2)	1, 162, 167 607, 742 151, 998 11, 9 13, 1 25, 0 111, 330 36, 5 248, 670	410, 134 164, 784 82, 075 3. 4 20. 0 49. 8 78, 016 5. 2 89, 476	115,672 43,382 49,027 2.5 42.4 5 113.0 59,202 3 17.2 50,007	1,147,416 371,509 15,056 0.7 1.3 4.1 6,675 125.6 27,176	360, 580 101, 114 1, 191 0. 2 0. 3: 1. 2:
Trigation districts, frigated in 1906. 500 500 5,500	- 1	Or comment the City of own on Engenhance										
Enterprises were appalle of triggating in 1900. 16,767 10,000 221,626 12,100 9,500 1,000	26 27 28 29 30 31	Irrigation districts, irrigated in 1909 Enterprises were capable of irrigating in 1910. Included in projects Cooperative enterprises, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects	850 850 850 850 64,068 75,190 84,538	8,696 16,000 16,000				8,200 15,917 19,980 860 1,110 1,110	2,190 2,500 3,000		5,773 9,288 9,350 5,000	• • • • • • • • •
CLASSIFIED BY SOURCE OF WATER SUPPLY. 46,764 37,642 64 324 278 146,714 60,164 46,142 10,603 1,67	33 34 35	Included in projects	16,757 40,757			376 546	60 60 342 530	221, 428 248, 765 8, 710 10, 215	9,500 12,150	49.027	9,500	1,191 2,035
Sal pulpiled from streams	37	ACREAGE IRRIGATED	115,649	66, 321	71	767	1,305	11,864	109,016	84,973	11,064	2,448
Supplied from wells	39 40 41	Chassier By Soutce of Water South. Supplied from streams. By gravity. By pumping. Supplied from lakes. By gravity.	46,754 46,689 65	37,042 37,042	64	324 324		149,714 147,138 2,576	69,164	46,142	834	1,070 832 238 5 5
Independent enterprises	44 45 46 47 48	Supplied from wells. Flowing By pumping Supplied from springs. Supplied from reservoirs. Total acreage supplied by pumping	97,318 13,570 83,748 1,512 2 83,813	1,663	3	6 46	29	2,002 20	305 3 7,189 4,724	465	4, 428 5	7 94 15 245
Number in 1899 Fer can't of increase, 1899-1910. miles. 800 79 5 21 19 261 687 172 223	51	IRRIGATION ENTERPRISES	1.567		6							35 26
Per cent of increase, law-100 feet per second 2,296 1,515 21 28 49 3,416 240 100 23 24 24 25 25 25 25 25 25	53 54	Number in 1809 7										
Flowing wells	58 50 60 61 62	Per cent of increase, 1809–1910. Capacityoubic feet per second.	2,296	1,518 30 294	21		. 6	352	490 175 32	101	23 32 10	25 3 3 13
Cost of enterprises up to July 1, 1910 dollars. 7,817,023 512,098 3,380 13,440 30,297 3,748,211 301,040 64,282 495,916 53,172	64 65 66 67 68 69 70	Flowing wells. number Capacity. gallons per minute. Pumped wells. number. Capacity. gallons per minute. Pumping plants number. Engine capacity. horsepower. Pump capacity. gallons per minute.	70,818	33 26, 518 26	150) 49 3 3 3 3 4	2 6 2 2,296 2 10 6 5 3,586	52,008 108 1,508	44		196,236 124 5,338	7,75
Trigating in 1900 A parage cost per acre irrigated in 1890 \(\), dollars A parage cost per acre irrigated in 1890 \(\), dollars 9,266,023 512,098 3,380 13,440 30,297 3,748,211 316,040 64,282 578,916 53,778 53,748,211 316,040 64,282 578,916 53,778 53,748,211 316,040 64,282 578,916 53,778 53,748,211 316,040 64,282 578,916 53,778 53,748,211 316,040 64,282 578,916 53,778 53,748,211 316,040 64,282 578,916 53,778 53,748,211 316,040 64,282 578,916 53,778 53,748,211 316,040 64,282 578,916 53,778 53,748,211 316,040 64,282 578,916 53,778 53,748,211 316,040 64,282 578,916 53,778 53,748,211 316,040 64,282 578,916 53,748,211 316,040 64,282 578,916 53,748,211 316,040 64,282 578,916 53,748,211 316,040 64,282 578,916 53,748,211 316,040 53,748,211 316,040 64,282 578,916 53,748,211 316,040 53,748,211 316,040 54,282 578,916 53,748,211 316,040 54,282 578,916 53,748,211 316,040 54,282 578,916 53,748,211 316,040 54,282 578,916 53,748,211 316,040 54,282 578,916 53,748,211 316,040 54,282 578,916 53,748,211 316,040 54,282 578,916 53,748,211 316,040 54,282 578,916 53,748,211 316,040 54,282 578,916 53,748,211 316,040 54,282 578,916 53,748,211 316,040 54,282 578,916 53,748,211 316,040 54,282 578,916 53,748,211 316,040 54,282 578,916 53,748,211 316,040 54,282 578,916 53,748,211 316,040 54,282 578,916 53,748,211 316,040 54,282 578,916 53,748,211 316,040 54,282 578,916 53,482 54,282 54,		COST	7,817,02	512,09	3,380	13,44	30,297	3,748,211	301,040			
Total cost reported Cost is reported Gollars Gol		irrigating in 1910	::		3,38	13,44	30,29			64,28	2 578,916	53,94
* Not reported. 7 Not reported by countles.	78 70	OPERATION AND MAINTENANCE Acreage for which cost is reported	67,36 357,96 5.3	1 8,69 7 5,17 1 0.6	6			94,22	8 25 1 0.20	8	12,916	1

⁵ Acreage irrigated includes wild grass land, while improved acreage does not.

Not reported.

⁷ Not reported by countles.

IRRIGATION—CALIFORNIA.

ACREAGE IRRIGATED, EXTENT AND COST OF IRRIGATION ENTERPRISES, AND [Comparative data for 1899 in italics.]

		Nevada	Orange.	Placer.	Plumas.	River- side.	Sacra- mento.	San Benito.	San Ber- nardino.	San Diego.1	San Fran- cisco.
1 2 3 4 5	Number of all farms in 1910. Number of farms irrigated in 1909. Per cent of all farms. Number of farms irrigated in 1899. Per cent of increase, 1899-1009. LAND AND FARM AREA	լ հռ. է լ	3,165 2,215 70.0 1,668 42.2	1,062 618 58.2 518 19.3	221 151 68.3 187 3 19.3	2,688 2,174 80.9 1,787 25.2	1,601 1,053 65.8 425 147.8	921 240 26. 1 166 44. 6	2,949 2,463 83.5 1,854 32.8	2,298 890 38.7 1,041	157 26 15.9 (2)
6 7 8 9 10 11 12 13 14 15	Approximate land area	623, 360 175, 398 24, 542 3, 839 0. 6 2. 2 15. 6 4,003 3 4. 1 4, 259 5, 267	508, S00 371, 692 189, 463 55, 056 10. 8 14. 8 29. 1 41, 549 32. 5 63, 486 71, 444	892,800 248,080 98,608 16,845 1.9 6.8 17.1 10,308 63.4 23,365 61,751	1,660,160 134,259 54,281 36,602 2.2 27.3 67.4 28,423 28.8 37,529 37,901	4,633,600 520,806 278,151 71,436 1.5 13.7 25.7 32,947 116.8 103,233 210,452	629, 120 473, 044 275, 682 53, 683 8, 5 11, 3 19, 5 12, 409 332, 6 69, 970 74, 588	890, 880 544, 301 186, 573 7, 186 0. 8 1. 3 3. 9 £, 870 150, 4 13, 790 20, 067	12,000,480 208,396 136,625 70,278 0.5 33.7 51.4 97,877 85.5 86,107 152,415	2,701,440 834,426 234,045 24,944 0.9 3.0 10.7 16,022 55.7 31,205 45,535	27,520 2,091 1,502 383 1.4 18.3 24.5 (2)
17 18 19 20 21 22 23 24 25	ACREAGE IRRIGATED AND INCLUDED IN PROJECTS CLASSIFIED BY CHARACTER OF ENTERPRISE. United States Reclamation Service, irrigated in 1900. Enterprises were capable of irrigating in 1910. Included in projects. United States Indian Service, irrigated in 1900. Enterprises were capable of irrigating in 1910 Included in projects. Carey Act enterprises, irrigated in 1909. Enterprises were capable of irrigating in 1910 Included in projects.				<i>a</i>	600 600 731				2,890 2,890 3,069	
26 27 28 29 30 31	Irrigation districts, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. Cooperative enterprises, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects.	85 85 85	30, 528 31, 965 38, 425			44, 464 66, 659 154, 011		765 1,500 1,500	49, 200 55, 860 62, 764	2, 640 4, 040 5, 560	
32 33 34 35 36 37	Commercial enterprises, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. Individual and partnership enterprises, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects.	2,065	24, 528 31, 521 33, 019	22,667	36,602 37,529 37,901	7,663 11,813 11,813 18,709 24,161 43,897	8,819 22,162 22,162 44,864 47,808 52,426	3,180 8,000 12,000 3,241 4,290 6,567	2,683 2,883 48,383 18,395 27,364 41,268	10,000 11,000 13,250 0,414 13,275 23,056	383 383 383
38 39 41 42 43	ACREAGE IRRIGATED CLASSIFIED BY SOURCE OF WATER SUPPLY. Supplied from streams. By gravity. By pumping. Supplied from lakes By gravity By pumping.	3,662 3,647 15	28, 373 28, 263 110	16,780 16,731 49	35, 279 35, 279 320 320	29,686 29,445 241		4, 425 4, 374 51 100 100	42,634 42,168 466	307	
44 45 46 47 48 49	Supplied from wells. Flowing. By pumping. Supplied from springs. Supplied from reservoirs. Total acreage supplied by pumping. IRRIGATION ENTERPRISES	5 172 20	20, 683 6, 526 20, 157 20, 267	17 17 48 66	20 20 983	40,643 20,806 19,837 1,107 20,078	9,398 9,398 11,295	2,659 847 1,812 2	26, 544 3, 374 23, 170 1, 100	5,030 5,030 75 5,387	383 383 383
50 51 52 53 54 55	Independent enterprises	110	619 309	35 35	127 147	610 801	213	109 64	521 291	384 288	39 24
54 56 57 58 59 60 61 62 63	Longth. miles Length in 1890 5 miles Per cent of increase, 1899–1910. capacity cubic feet per second Capacity cubic feet per second Laterals number Length miles Reservoirs unumber Capacity acre-feet	236 372 46 32	876 115 246 19	487 46 108 29 53,354	201 1,176 62 16	2,825 262 288 131 58,440	1,556 5 8 2 352	366 12 33 6 5,302	1,315 237 283 83 96,969	1,464 244 140 68 26,845	7 11 27 2
64 65 66 67 68 69 70	Flowing wells		588 92,689 580 260,947 433 8,575 286,003	2 289 5 30 1,284	3 504	553 90, 331 792 289, 472 405 11, 067 346, 788	1,168 200,303 1,192 5,059 335,666	87 25, 822 54 677 29, 452	79 21,825 449 209,747 402 10,700 233,136	23,343 438 110,807 363 2,857 112,256	39 4, 444 39 89 4, 444
71 72 73 74	Cost of enterprises up to July 1, 1910	368. 40	30.69	2,798,740 119.78	107,118 2.85	5, 648, 469 54. 72	1,452,471 20.76	177,924	9,416,960	3,753,127 120.27	21,975
76 77 78 79 80 81 82	Estimated final cost of existing enterprises dollars. Average per acre included in projects dollars. OPERATION AND MAINTENANCE Acreage for which cost is reported dollars. Average per acre for which cost is reported dollars. Average cost per acre in 1899 4 dollars. Per cent of increase, 1899-1909	804 8,150 3,92	29,239 78,875 2.70	2,798,740 45.32 16,310 78,064 4.48	107,118 2,88	5, 698, 469 27. 08 51, 419 293, 871 5. 72	7, 229 16, 079 2, 22	267, 024 13, 35 3, 665 3, 584 0, 98	33,973 187,877 5.53	3,767,127 82.73 12,640 64,374 5.09	21, 975 57. 38
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¹ Change of boundary. (See explanation at close of text.)

COST OF OPERATION AND MAINTENANCE, BY COUNTIES: 1909 AND 1910-Continued.

[Comparative data for 1899 in italics.]

1 1 2 3 4 5	Number of all forms in 1010	San Joaquin.	San Luis Obispo.	San Mateo.	Santa Barbara.	Santa Clara.	Santa Cruz.	Shasta.	Sierra.	Siskiyou.	Solano.
4	Number of all forms in 1010										
5	Number of all farms in 1910. Number of farms irrigated in 1909. Per cent of all farms.	3,286 1,452 44.2	1,714 91 5.3	665 75 11.3	1,355 137 10.1	4,731 1,101 23.8	1,466 106 7,2	1,010 639 63.3	110 94 85. 5	1,114 636 57.1	1,143 150 13,1
	Per cent of all farms Number of farms tripated in 1899 Per cent of increase, 1899–1909. LAND AND FARM AREA		78 16. 7	(2)	3 24. 7	1,129 8 2.5	(2)	* 6. 9	⁸ 4. 1	7.1	417. 2
6 7 1 1 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Approximate land area	926, 720 763, 048 611, 762 59, 811 6. 5 7. 8 9. 8 18, 466 223. 9 77, 083 173, 563	2,133,760 1,588,660 326,928 1,687 0.1 0.5 1,187 48.4 2,416 2,539	286, 080 160, 655 100, 800 3, 648 1. 3 2. 3 3. 6 (2) 3, 653 3, 983	1,753,600 1,120,475 215,552 12,012 0.7 1.1 5.6 \$,218 273.3 13,572 13,603	849,920 734,819 237,170 37,637 4.4 5.1 15.9 40,097 8.1 50,939 60,140	278, 400 157, 308 60, 875 1, 201 0. 4 0. 8 1. 8 (2) 1, 313 2, 232	2,469,120 389,218 96,217 33,004 1.3 8.5 34.3 16,159 104.2 36,564 72,653	590, 720 84, 220 30, 794 17, 504 3. 0 20. 8 56. 8 18, 603 28. 7 17, 505 18, 249	4,003,840 455,876 186,147 60,301 1.5 13.2 32.4 49,108 22.8 66,866 79,161	526, 080 474, 866 310, 452 3, 610 0. 7 0. 8 1. 2 2, 805 28. 7 7, 160 8, 192
	PROJECTS										
17 18 19 20 1 21 22 23 24 25	CLASSIFIED BY CHARACTER OF ENTERPRISE. U. S. Reclamation Service, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. U. S. Indian Service, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. Carey Act enterprises, irrigated in 1999. Enterprises were capable of irrigating in 1910 Included in projects.										······································
26 1 27 28 29 30	Irrigation districts, irrigated in 1909 Enterprises were capable of irrigating in 1910 Included in projects Cooperative enterprises, irrigated in 1909 Enterprises were capable of irrigating in 1910 Included in projects	3,000 3,000 71,050 3,000 6,000				2,175 2,175					
31 32 33 34 35	Commercial enterprises, irrigated in 1909	6,000 2,024 7,563 30,000 51,787	1,002		200 160 1,000 1,000 11,762	2,475 3,800 10,000 12,000 31,662	145 145 155 1,056			500	3,610
36 37	1909. Enterprises were capable of irrigating in 1910 Included in projects	60, 520 66, 513	1,414 1,537	3,653 3,983	12, 372 12, 403	38,764 45,665	1,168 2,077	26, 785 44, 599	17,505 18,249	63, 566 75, 861	7,160 8,192
38 39 40 41 42 43	CLASSIFIED BY SOURCE OF WATER SUFFLY. Supplied from streams. By gravity. By pumping. Supplied from lakes. By gravity. By pumping.	47, 512 3, 657	1,490 1,211 279	2,551 1,155 1,396	3,717 3,382 335	14,195 11,987 2,208	576 367 209 293		17,154 17,154		1,575 792 783 26 26
	Supplied from wells. Flowing. By pumping. Supplied from springs Supplied from reservoirs. Total acreage supplied by pumping.	8,642 8,642 12,299	127 18 109 70	1,057 1,057 40 2,458	8, 220 67 8, 153 55 20 8, 488	23,362 7,415 15,947 37 43 18,155	249 2 247 64 19 749	901	850	140 140 9,051 6 238	2,008 2,008 1 2,791
	IRRIGATION ENTERPRISES Independent enterprises		65	85	108	842	97	472	100	572	132
54 55	Number in 1899 5. Per cent of increase, 1899–1910.		51 42	57	76 75	458 228	81 41	446 678	119 150	595 688	20 22
54 55 56 57 58 59 60 61 62	Length	5,415 49 192 73	84 5 3 8 52	458 3 33	140 4 5 32	1,511 89 27 142 9.	161 55 1,228	3,150 130 81 10 3,903	2,304 4 1 3 8	2,576 172 41 20 107	101 3
63 64 65 66 67 68 69	Capacity acro-lect. Flowing wells number capacity gallons per minute. Pumped wells number Capacity gallons per minute. Pumping plants number Engine capacity horsepower Pump capacity gallons per minute.	1,618 432,281 1,304 7,582	4 70 12 4,416 31 155	40 3,956 59 421	7 250 113 24,520 65 1,442	438 110, 816 800 287, 668 587 9, 404	2 10 58 8,383 70 384	2 290 34 6,550 61 418		3 250 10 69	125 70, 338 127 1, 862
	COST	1 000 700	32,311	8,341 90,921	37, 135 370, 186	338, 915 1, 337, 216	76,621	31,937 430,766	69,650	370,627	135, 532
71 72 73 74	Cost of enterprises up to July 1, 1910. dollars. Cost in 1899 dollars. Per cent of increase, 1899-1910. Average cost per acre enterprises were capable of irrigating in 1910. dollars. Average cost per acre irrigated in 1899 dollars. Estimated final cost of existing enterprises dollars. Average per acre included in projects. dollars.	21.92	13,37	24.89	27.28	26. 25	58. 36	11.78	3.98	5.54	18.93
75 76 77	Average cost per acre irrigated in 18995dollars Estimated final cost of existing enterprisesdollars Average per acre included in projectsdollars OPERATION AND MAINTENANCE	3,324,720 19.16	32, 311 12, 73	90,921 22.83	370, 186 27, 21	1,337,216 22,24	76,621 34.33	440, 766 6. 07	69,650 8.82	370,627 4.68	135, 532 16. 54
78 79 80 81 82	Acreage for which cost is reported. Total cost reported. Average per acrefor which cost is reported. dollars. Average cost per acre in 1899 4. Per cent of increase, 1899-1909.	5,024 5,053 1.01	184 395 2.15		90 704 7, 82	5,800 3,674 0.63		8,694 6,934 0.80		1,700 898 0.53	

ACREAGE IRRIGATED. EXTENT AND COST OF IRRIGATION ENTERPRISES, AND COST OF OPERATION AND MAINTENANCE, BY COUNTIES: 1909 AND 1910—Continued.

[Comparative data for 1899 in italies.]

=								Tuol-			
		Sonoma.	Stanislaus.	Sutter.	Tehama.	Trinity.	Tulare.	umne.	Ventura.	Yolo.	Yuba.
$\frac{1}{2}$	Number of all farms in 1910	4,772 38	2,687 1,911	873 39	1,006 366	308 201	4,021 3,048	386 157	1,293 489	1,255 333	436 112
3 4	Per cent of all farms	0.8	71.1	4. 5 (1)	36.4 209	65.3 170	75.8 21,467	40. 7 185	37. 8 353	26. 5 167	25.7
4 5	Number of farms irrigated in 1809		764.7		75.1	18.2	107.8	8 15.1	38.5	99.4	3 38. 1
6	LAND AND FARM AREA Approximate land areaacres	1,009,280	928,000	389, 120	1,851,520	2,026,240	3,107,840	1,401,600	1,201,920	648,960	408,960 249,108
7 8 9	Land in farmsacres Improved land in farmsacres	744,644 248,271	649,392 512,189	4 385,462 199,510	915,227 186,642	91,310 13,300	1,045,231 507,024	193,072 36,407 2,035	1,201,920 550,199 213,868	463,383 317,268 11,754	249,108 94,250 3,073
10 j	Acreage irrigated in 1909. Per cent of total land area	0.1	84, 015 9. 1	1,173 0.3	14,281 0.8	6,324 0.3	265,404 8.5	0.1	$25,273 \\ 2.1$	1.8	0.8
11 12 13	Per cent of improved land in farms.	0.1 0.3 (1)	12, 9 16, 4 17, 505	0, 3 0, 6 (¹)	1.6 7.7 11.512	6.9 47.5	25. 4 52. 3 286, 854	1.1 5.6	4.6 11.8	2.5 3.7	1.2
14 15	Per cent of land in farms. Per cent of land in farms. Per cent of improved land in farms. Acreage irrigated in 1899. Per cent of increase, 1899-1909. Acreage enterprises were capable of irrigating in 1910. Acreage included in projects.	761	379.9 141,785		24.1 23,167	4,710 34.3 7,127	205. 6 337, 938	1,881 47.4 2,083	11,935 111.8 49,407	5, 161 127. 7 14, 697	2,477 24.1 6,401
16	Acreage included in projects. ACREAGE IRRIGATED AND INCLUDED IN	951	340, 914	1,361 1,959	36,020	9,513	466, 735	5,958	56,357	55, 967	46,322
	PROJECTS				·						
17	CLASSIFIED BY CHARACTER OF ENTERPRISE. U. S. Reclamation Service, irrigated in 1909										
18 19	Enterprises were capable of frigating in 1910 Included in projects										
20 21	Enterprises were capable of irrigating in 1910	• • • • • • • • • • • • • • • • • • • •									
22 23 24	Oarey Act enterprises, irrigated in 1909. Enterprises were capable of irrigating in 1919.			••••••						• • • • • • • • • • • • • • • • • • • •	
25	CLASSIFIED BY CHARACTER OF ENTERPRISE. U. S. Reclamation Service, irrigated in 1909. Enterprises were capable of frrigating in 1910. Included in projects. U. S. Indian Service, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. Carey Act enterprises, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects.										• • • • • • • • • • • • • • • • • • • •
26 27 28 29 30	Irrigation districts, irrigated in 1909. Enterprises were capable of irrigating in 1910 Included in projects. Cooperative enterprises, irrigated in 1900 Enterprises were capable of irrigating in 1910 Included in projects.		67,313 121,083				82,426 124,638		10, 180 16, 388 18, 425		1,750 4,500
28 29	Included in projects Cooperative enterprises, irrigated in 1909		303,313		1,700		144,038 125,411		10,180		43,000
31	Included in projects		19,000	••••••	3,200 3,200		146,571 227,788		16,388 18,425		
32 33	Commercial enterprises, irrigated in 1909 Enterprises were capable of irrigating in 1910 Included in projects Individual and partnership enterprises, irrigated		12,230 12,230 14,127	500 500	2,900		11,150 11,630	1,450	7,650	10,400 10,400	281 781
33 34 35	Included in projects		14, 127	1,000	11,500		16,820	1,450 5,055	20,400 22,000	50,400	781
36 37	in 1909. Enterprises were capable of irrigating in 1910 Included in projects.		4,472 4,472	673 861	9,681 14,467	6,324 7,127	46,417 55,099	585 633	7,443 12,619	1,354 4,297	1,042 1,120
37	Included in projects	951	4,474	959	21,320	9,513	78, 089	903	15,932	5,567	2,541
	CLASSIFIED BY SOURCE OF WATER SUPPLY.										:
38 39 40 41 42 43	Supplied from streams. By gravity.	434 255	84,010 82,120	660 660	13,464 12,891	5,984 5,911 73	227, 280 226, 939	1,891 1,869	18, 198 18, 130		2,791 2,791
41 42	By gravity. By pumping. Supplied from lakes. By gravity. By pumping.	179	1,890	••••••	573	73	341		68	11,457	
43	By pumping									10,400 1,057	
44 45	Supplied from wells. Flowing. By pumping. Supplied from springs. Supplied from reservoirs. Total acreage supplied by pumping	157	5	313	566 1	2	37,942 6,656	. 8 3	6,750 581	297	238
45 46 47 48 49	Supplied from springs.	157 40	5	313 200	565 251	2 338	31,286 169	5 136	6, 169 72	297	238 44
49	Total acreage supplied by pumping IRRIGATION ENTERPRISES	336	1,895	313	1,138	75	31,627	27	253 6,237	1,354	238
50 51	Independent enterprises	40	27	21	270	193	908	61	189	47	39
51 52 53	Independent enterprises number Number in 1899 Fer cent of increase, 1890–1910. Main ditches number number										
54 55			23	13	136	208	752	62	148	8	36
56 57	Per cent of increase, 1809–1910	21	153	6	164	228	1,033	153	177	87	128
54 55 50 57 58 59 60	Length in 1899 6	14	3,074	27	1,325	802	6,526	245	627	214	308
60 61 62	Laterals		34 274		41 40	41 13	577 629	11 24	58 87 32	8 83	398 13 87 5
63	Capacityacro-feet	1	30,016	6	43 311	30 427	1,326	9 10	32 80	5 2	5 80
64 65	Flowing wellsnumber Capacitygallons per minute Pumped wellsnumber Capacitygallons per minute.				1 8		79 35, 513	2 14	32 17,455		
66 67	Pumped wellsnumber_ Capacitygallons per minute.	6,831	950	18 6,616	141 16,275	750	794 237,420	14 4 16	17,405 157 64,829	58 29,409	11 1,605
68 69 70	Pumping plantsnumber. Engine capacityhorsepower. Pump capacitygallons per minute.	27 134	21 707	19 124	165 751	3 34	739 7,864	7 89	126	981	1,605 11 62
	COST	16,763	185,950	6,616	39,680	1,920	244,318	765	2,976 72,704	69,694	1,605
71 72 73 74	Cost of enterprises up to July 1, 1910dollars Cost in 1899 6dollars Per cent of increase, 1899-1910	13,801	4,051,870	18,800	263,055	173,414	5,684,379	180,474	2,262,205	311,660	198,268
73 74											
75 76	Average cost per aere enterprises were capable of irrigating in 1910. dollars. Average cost per acre irrigated ins 1899 d. dollars. Estimated final cost of existing enterprises. dollars. Average per aere included in projects. dollars.	18.14	28,58	13.81	11.35	24.33	16.67	86.64	45.79	21, 21	30.97
77	Average per acre included in projectsdollars.	13,801 14.51	5,826,870 15.63	18,800 9.60	342,555 9.51	173, 414 18. 23	5,643,379 12.09	180, 474 30, 29	2,317,205 41.12	311,660 5.57	198, 268 4. 28
78	OPERATION AND MAINTENANCE Acreage for which cost is reported		79,542		4,600		124,961	200	14 004	10.400	1 750
79 80 81	Acreage for which cost is reported. dollars. Average per acre for which cost is reported. dollars. Average cost per acre in 1899 5 dollars. Per cent of increase, 1899-1909		69, 633 0. 88		4, 132		175,823 1.41	200 200 1,00	14,604 48,418 3.32	10,400 18,146 1,74	1,750 1,037 0,59
81 82	Per cent of increase, 1899-1909dollars								0.02		
	Included in "all other counties" in Twelfth Cen	1		3 Decrea	1	<u> </u>	1	1	1	1	

Included in "all other counties" in Twelfth Census report.
 Exclusive of Indian reservations.

⁵ Not reported. ⁸ Not reported by counties.

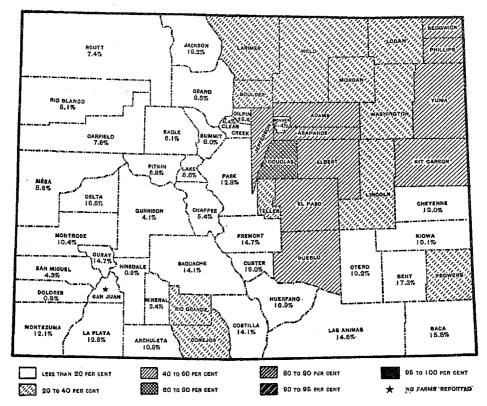
³ Decrease. 4 See explanation at close of text.

PER CENT OF LAND AREA IN FARMS, AND AVERAGE VALUE OF FARM LAND PER ACRE, IN COLORADO, BY COUNTIES: 1910.

PER CENT OF LAND AREA IN FARMS.

[Fer cent for the state, 20.4.]

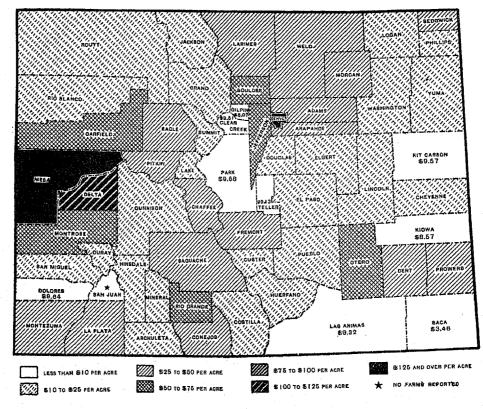
The per cent of kand area in farms, when less than 20, is inserted under the county name.



AVERAGE VALUE OF FARM LAND PER ACRE.

[Average for the state, \$26.81.]

When the value is less than \$10 per acre, it is inserted under the county name.



COLORADO.

FARMS AND FARM PROPERTY.

Colorado ranks seventh in area and thirty-second in population among the states and territories of continental United States. It is still adding to its farm acreage, but the mountainous surface and low rainfall render some areas unfit for agriculture, while others are adapted only to grazing. The mean altitude of the state of Colorado is the highest of that of any state in the Union. Only one-fourth of the state lies at an elevation less than 5,000 feet, while two-thirds of the area ranges in altitude from 6,000 to 14,000 feet above sea level. The central and west central portion of the state comprises a large area of the mountainous mass of the Rockies, which rises above the elevated plateau section comprising the eastern two-fifths of the state together with small areas in the northwestern and southern portions.

The eastern two-fifths of Colorado lies within the Great Plains section of the United States and consists of a long slope from the eastern front of the Rocky Mountains, descending from altitudes of 7,000 feet to altitudes of approximately 3,500 feet within the prairie section along the eastern border. This Great Plains region consists of a series of fan-shaped slopes of great extent composed chiefly of the detritus of the mountain areas carried down and spread over the plains by long-continued stream action. In these sloping areas the eastward flowing rivers have cut deep, narrow valleys which are bordered by silty and sandy alluvial soils at the lower levels, and by sandy and gravelly loam bench lands at higher altitudes. The Great Plains section is chiefly utilized for grazing purposes.

Within the central mountain mass there are numerous parks and smaller valleys the floors of which are formed from alluvial or lacustrine deposits. Wherever water is available, and the altitude is not too great, these are irrigated for the production of vegetables, grain, grass, and fruit.

There is little agriculture in the high mountainous region, except in the San Luis Valley, in the south central part of the state. To the west of the divide the precipitation is too light for the growing of crops without irrigation, but the streams supply large volumes of water for irrigation in the valleys. To the east of the divide on the plains the rainfall is heavier, and some crops are grown without irrigation throughout this region. Wherever water is available irrigation has been introduced, the largest irrigated area in the state being in the valleys of the South Platte and Arkansas Rivers, and extending from the mountains to the eastern boundary of the state.

Progress during the decade 1900 to 1910.-The following table summarizes for the state the more significant facts relating to population and land area, the number, value, and acreage of farms, and the value of all other farm property in 1910 and 1900:

	4040	1900	INCREASE	,1
NUMBER, AREA, AND VALUE OF FARMS.	1910 (April 15)	(June 1)	Amount.	Per cent.
Population Number of all farms Approximate land area of the state acres. Land in farms acres. Improved land in farms acres. Average acres per farm.	799, 024 46, 170 66, 341, 120 13, 532, 113 4, 302, 101 293. 1	539, 700 24, 700 66, 341, 120 9, 474, 538 2, 273, 968 383. 6	259, 324 21, 470 4, 057, 525 2, 028, 133 — 90. 5	48. 0 86. 9 42. 8 89. 2 -23. 6
Value of farm property: Total	\$491, 471, 806	\$161, 045, 101	\$330, 426, 705	205. 2
Land Buildings Implements and machinery Domestic animals, poultry, and bees	70, 161, 344 \$10, 645	90, 341, 523 16, 002, 512 4, 746, 755 49, 954, 311 \$6, 520 \$9. 54	272, 480, 682 29, 694, 144 8, 044, 846 20, 207, 033 \$4, 125 \$17, 27	301. 6 185. 6 169. 5 40. 5 63. 3 181. 0
Average value of land per acre	Ψ20,01			1

Note.—Ranges or ranches using the public domain for grazing purposes but not owning or leasing land were counted as farms in 1910 and 1900. They were included as owned or managed, free from mortgage, and under 3 acres in size. The counting of these ranges as farms affects all totals, averages, and percentages in which the number of farms is a factor. In 1910 there were 157 such ranges included as farms.

The two maps on the opposite page show, for the different counties, the proportion of the total land area which is in farms and the average value of farm land per acre. Of the state's entire land area onefifth is in farms. In the western half of the state, however, many counties have less than one-tenth of their land in farms and almost all have less than 20 per cent. In the northeastern portion all the counties have either 20 to 40 per cent or 40 to 60 per cent of their total acreage in farms. The counties in the southeastern corner of the state have, with one exception, less than 20 per cent of their land in farms.

There is only one county in the state, namely, Douglas, in which the proportion of the area in farms exceeds 60 per cent.

The average value per acre of the farm land, exclusive of buildings, for the whole state is \$26.81. In some counties, however, farm land has an average value of less than \$10 per acre, and in almost half the counties it averages only between \$10 and \$25 per acre. In the remaining counties the value of farm land ranges most commonly from \$25 to \$50 per acre, but in three it exceeds \$100 per acre.

During the last decade the population of the state increased 259,324, or 48 per cent; the number of farms 21,470, or 86.9 per cent; the land in farms 4,057,525 acres, or 42.8 per cent. As a result of the greater relative increase in the number of farms, the average size of farms decreased 90.5 acres.

Farm property, which includes land, buildings, implements and machinery, and live stock (domestic animals, poultry, and bees), has more than trebled in value during the decade, increasing over \$330,000,000. This great increase was chiefly made up of increases in value of over \$272,000,000 in land and of nearly \$30,000,000 in buildings. There was also an increase of over \$28,000,000 in the value of farm equipment, which includes implements and machinery and live stock, of which more than two-thirds represents the increase in the value of live stock. In considering the increase of values in agriculture the general increase in the prices of all commodities in the last 10 years should be borne in mind.

The average value of a farm with its equipment in 1900 was slightly more than \$6,500, while 10 years later it was approximately \$10,650. The average value of land alone rose from \$9.54 per acre in 1900 to \$26.81 in 1910, an increase of 181 per cent.

Irrigation.—Of the 46,170 farms in the state, 25,926, or 56.2 per cent, are reported as irrigated. The acreage reported is 2,792,032 acres, or 64.9 per cent of the improved land in farms. The area to which enterprises existing in 1910 were capable of supplying with water was 3,990,166 acres, and the total acreage included in irrigation projects completed or under way was 5,917,457 acres.

Population, number of farms, and farm acreage: 1870 to 1910.—In 1910 the population of the state was more than twenty times as great as in 1870. The largest increases were during the last decade and that between 1880 and 1890.

There are 46,170 farms in Colorado, or twenty-six and one-half times as many as in 1870. During the period 1870 to 1910 the number of farms increased on the average over 1,100 per year. This increase was most rapid during the last decade, when it averaged 2,147 per year. The increase was general throughout the state.

The table following presents, for the state as a whole for each census from 1870 to 1910, inclusive, a statement of the total population, the number of farms, and the acreage of farm land and of improved land in farms. It also gives the percentage of the land area in farms, the percentage of farm land improved, and the percentage of increase during each decade in the number of farms and in the land in farms.

	Popula- tion.	FAR	MS.	LANI	IN FAI	RMS.		Per
CENSUS			Per	All lar	ıd.		Per cent of land	cent of farm
YEAR.		Num- ber.	cent of in- crease.	Acres.	Per cent of in- crease.	Improved land (acres).	area in farms.	land im- prov- ed.
1910 1900 1890 1880	799, 024 539, 700 413, 249 194, 327 39, 864	46,170 24,700 16,389 4,506 1,738	86. 9 50. 7 263. 7 159. 3	13,532,113 9,474,588 4,598,941 1,165,373 320,346	42. 8 106. 0 294. 6 263. 8	4,302,101 2,273,968 1,823,520 616,169 95,594	20. 4 14. 3 6. 9 1. 8 0. 5	31. 8 24. 0 30. 7 52. 9 29. 8

1 No data prior to 1870. Organized as a territory in 1861.

The land area of Colorado is approximately 66,341,120 acres. Of this area, 13,532,113 acres, or 20.4 per cent, are included in farms. Of the farm acreage, 4,302,101 acres, or 31.8 per cent, are reported as improved land, representing 6.5 per cent of the total land area of the state. The total acreage of farm land increased 42.8 per cent during the last decade. The reported acreage of improved land shows a much greater relative increase from 1900 to 1910 than does the total acreage in farms, making the percentage of farm land which is improved considerably higher in 1910 than in 1900.

The table given above shows also the very rapid and continuous increases from the earliest report, in 1870, in both total farm acreage and acreage of improved land. The proportion of the total land area of the state which was occupied by farms rose during this period from one-half of 1 per cent to 20.4 per cent. The proportion of farm land reported as improved has fluctuated greatly, doubtless due largely to the inclusion or exclusion of large areas of range land and the variations in interpretation of the terms "improved land" and "unimproved land."

Values of farm property: 1870 to 1910.—The agricultural changes in Colorado since 1870, as reflected in the values of the several classes of farm property, are shown in the table which follows:

	FARM PROPERTY.										
census Year.	Total.		Land an building		Impleme and machine		Domestic animals, poul- try, and bees.				
	Value.		Value.	Per cent of increase.	Value.	Per cent of increase.		Per cent of increase.			
1910	\$491, 471, 806 161, 045, 101 117, 439, 558 141, 991, 650 5, 223, 563	37.1 179.7 703.9	85,035,180	25. 1 238. 7 827. 0	4,746,755 2,728,850	73.9 199.8 317.3	\$70, 161, 844 49, 954, 311 129, 675, 528 115, 972, 342 2, 296, 882	68.8 85.8 595.4			

Includes estimated value of range animals.

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

No data prior to 1870. Organized as a territory in 1861.

The total wealth in the form of farm property is \$491,472,000, of which 83.1 per cent is represented by land and buildings, 2.6 per cent by implements and machinery, and 14.3 per cent by live stock. The total value of farm property increased from 1900 to 1910 by \$330,427,000, or in other words, it more than trebled. The absolute gain during the decade from 1900 to 1910 was over seven times and the percentage gain nearly six times as great as during the decade immediately preceding. Moreover, the absolute gain in the last decade was over twice as great as that of the preceding 30 years. The percentage increase from 1880 to 1890 was much less than from 1870 to 1880, and from 1890 to 1900 it again fell off greatly.

Average acreage and values per farm: 1870 to 1910.— The changes which have taken place during the past 40 years in the average acreage of Colorado farms and in the average values of the various classes of farm property, as well as in the average value per acre of land and buildings, are shown in the following table:

		AVE	RAGE VALU	E PER FAI	RM. ¹	Average	
CENSUS YEAR.	Average acres per farm.	All farm property.	Land and buildings.	Imple- ments and ma- chinery.	Domestic animals, poultry, and bees.	value of land and buildings per acre.	
1910	293. 1 383. 6 280. 6 258. 6 184. 3	\$10,645 6,520 27,166 29,319 3,006	\$8,848 4,305 5,189 5,572 1,558	\$277 192 167 202 125	\$1,520 2,022 21,811 23,545 1,322	\$30. 19 11. 22 18. 49 21. 55 8. 46	

Averages are based on "all farms" in state.
 Includes estimated value of range animals.
 Computed gold values, being 80 per cent of the currency values reported.
 No data prior to 1870. Organized as a territory in 1861.

One of the striking characteristics of the agricultural conditions in Colorado is the presence of great areas of semiarid land which has thus far been utilized, if at all, for grazing purposes. Upon this land are many very large farms, or ranches as they are called, frequently exceeding 100,000 acres in extent, and counting these as farms has increased materially the average number of acres per farm for the state. In fact one ranch of 451,000 acres reported in Costilla County in 1900, but not reported in 1910, added over 18 acres to the average size in 1900 of all farms for the state. Farms of 1,000 acres and over increased in number during the past decade from 1,237 to 1,577, yet the acreage of such farms decreased from 5,025,660 acres in 1900 to 4,880,-823 acres in 1910. The farms other than those used almost exclusively for grazing purposes are not, on an average, unusually large, and the relative increase in the number of these farms has decreased the average size of all farms of the state since 1900 by 90.5 acres. Since 1870 the average size of the Colorado farm has varied greatly, increasing steadily from 184.3 acres in 1870 to 383.6 acres in 1900, and then decreasing in 1910 to 293.1 acres; the result is a net increase of 108.8 acres since 1870. In 1900 the average size of a Colorado farm was over twice as great as in 1870, the increase averaging almost 7 acres a year for the 30 years. In 1910, however, it was only about one and one-half times as large as in 1870.

The average value of a Colorado farm, including equipment, has advanced during the last decade from \$6,520 to more than \$10,600, of which over \$8,800 represents the value of land and buildings, over \$1,500 the value of live stock, and nearly \$300 the value of implements and machinery. The average value of land and buildings is now \$30.19, or somewhat less than three times as much as 10 years ago.

Although the average value per farm of live stock was over ten times as great as that of implements and machinery in 1870, it is now less than six times as great. During the 40 years implements and machinery have more than doubled in value, while live stock has increased only 15 per cent.

Farm tenure: 1880 to 1910.—The following table shows the distribution of the farms of the state according to character of tenure at each census since 1880:

Tenure.	1910	1900	1890	1880
Number of all farms.	46,170	24,700	16,389	4,508
Farms operated by owners and managers. Farms consisting of owned land only. Farms consisting of owned and hired land. Farms operated by managers.	37,780 32,474 4,519 787	19,119 15,871 2,368 880	14,546 (1) (1) (1)	3,922 (¹) (¹) (¹)
Farms operated by tenants. Share tenants. Share-cash tenants 2. Cash tenants. Tenure not specified 3.	4.013	5,581 3,351 2,230	1,843 1,258 585	584 419 165
Per cent of farms operated by— Owners and managers. Tenants. Share and share-cash. Çash and nonspecified.	81.8 18.2 11.1 7.0	77. 4 22. 6 13. 6 9. 0	88.8 11.2 7.7 3.6	87.0 13.0 9.3 3.7

Not reported separately.
 Share-cash tenants were doubtless largely included with share tenants in 1900, 1890, and 1880.
 Prior to 1910 nonspecified tenants were included with cash tenants.

It is significant that while there was an increase of 21,470 in the total number of farms during the last decade, an increase of 18,661 was reported in the number of farms operated by owners and managers and of only 2,809 in the number operated by tenants. As is usual in newly settled sections of a country the proportion of farms in Colorado operated by tenants has thus far been small. The great majority of the farms of the state have been acquired by their owners or operators from the Government, or private corporations, in the form of homesteads, Carey Act entries, desert-land entries, or irrigated farms. Most of these have been acquired at a small price, or on longtime and other favorable terms, making ownership possible to the man of small means. This fact doubtless accounts in the main for the smaller proportion of farms operated by tenants than is found in most of the older states.

In 1880 about thirteen out of every one hundred farms were operated by tenants, in 1890 about eleven, in 1900 about twenty-three, and in 1910 about eighteen. The present proportion is less than half as high as that for the United States as a whole.

Throughout the 30 years the numbers of both cash and share tenants have been increasing rapidly and the farms now reported as rented for cash, including "nonspecified," represent 7 per cent of the total, and those reported as rented for a share of the products, including "share-cash," 11.1 per cent. In 1880 there were somewhat over two and a half times as many share and share-cash tenants as there were cash and nonspecified tenants; in 1910, however, there were only slightly over one and one-half times as many.

The following table shows the total and improved acreage and the value of land and buildings for farms operated by owners (including part owners), managers, and tenants, respectively:

FARMS OPERATED	ALL LAND (ACR		IMPROVED FARMS (VALUE OF LAND AND BUILDINGS.			
BY—	1910	1900	1910	1900	1910	1900		
Total Owners Managers Tenants	13,532,113 10,134,797 1,140,446 2,256,870	6, 156, 841 1, 787, 515	2,907,897	1, 486, 705 207, 275	29,343,653	68, 113, 548 13, 167, 920		

The following table shows the per cent distribution by tenure groups of the items in the preceding table, and also of the number of farms:

			PE	R CENT	OF TO	'AL.			
FARMS OPERATED BY—	Num fari			All land in farms.		od land irms.	Value of land and buildings.		
	1910	1900	1910	1900	1910	1900	1910	1960	
Total. Owners. Managers Tenants		100. 0 73. 8 3. 6 22. 6	100. 0 74. 9 8. 4 16. 7	100. 0 65. 0 18. 9 16. 2	100. 0 67. 6 7. 2 25. 2	100. 0 65. 4 9. 1 25. 5	100, 0 66, 1 7, 2 26, 7	100. 0 64. 1 12. 4 23. 6	

It will be seen that, in 1910, 74.9 per cent of all land in farms was in farms operated by their owners (including part owners), 8.4 per cent in farms operated by managers, and 16.7 per cent in farms operated by tenants, the percentage for owners and for tenants being higher and that for managers lower than in 1900.

As shown by the next table, the average size of farms operated by managers in 1910 (1,449.1 acres) was more than five times as great as that of farms operated by owners (274 acres), which was in turn somewhat larger than that of farms operated by tenants (269 acres). The average size of each class of farms decreased between 1900 and 1910. In 1910 the percentage of farm land improved was highest for farms operated by tenants, and lowest for those operated by managers.

	AVI	ERAGE .		PER	PER OF F				LUE OI ILDING		
FARMS OPERATED BY—	All l	and.	Impr lar		LA IMPR(Peri	arm.	Per acre.		
	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	
Total Owners Managers Tenants	293, 1 274, 0 1, 449, 1 269, 0	383.6 337.6 2,031.3 274.2	78. 6 394. 4	92.1 81.5 235.5 103.9		24.1 11.6	\$8,848 7,304 37,285 12,988	3,735 14,964	26.66	11.06 7.37	

Farm mortgages: 1890 to 1910.—The Eleventh Census (1890) was the first to collect data relating to mortgage debt on farms. The basis of the returns was the "farm home" occupied by its owner. The same class of information was secured by the population schedules of the Twelfth Census (1900). The agricultural schedules of the Thirteenth Census (1910) secured practically the same information, except that the basis was "owned farms" instead of "owned farm homes"—a difference involving, however, no appreciable incomparability.

The following table relates to farms operated by persons owning all or part of the land, and shows for 1910 (1) the number of such farms reported as free from mortgage; (2) the number reported as mortgaged; and (3) the number for which no mortgage reports were secured. Comparable items are included for 1900 and 1890.

CLASS.	OWNED 1		OWNED ROM	es.	OWNED FARM HOMES. ²	
CJAGG	Number.	Per cent.	Number.	Per cent.s	Number.	Per cent.
Total	36, 993 26, 822 9, 636 535	73.6 26.4	17,850 12,447 4,610 793	73.0 27.0	15,417 11,488 3,929	74.5 25.5

¹ Includes all farms owned in whole or in part by the operator.
² The 524 "owned farm homes" for which no reports were secured were distributed between "free from mortgage" and "mortgaged" in 1890.
² Per cant of combined total of "free from mortgage" and "mortgaged,"

In 1910 the total number of farms owned in whole or in part by the operators was 36,993. Of this number, 26,822 were reported as free from mortgage; 9,636 were reported as mortgaged; and for 535 no report relative to mortgage indebtedness was obtained. The number of mortgaged farms constituted 26.4 per cent of the total number of owned farms, exclusive of those for which no mortgage report was obtained. The percentage is approximately the same as it was in 1900 and 1890. It may be noted that the percentages given for the three censuses are comparable, but that the number of mortgaged and unmortgaged farms reported in 1890 is not entirely comparable with the numbers reported at the later censuses, because at the census of 1890 the farms for which no reports were secured were distributed between the two classes of mortgaged and unmortgaged farms.

The statement of mortgage debt and of the value of mortgaged farm property is restricted to the farms of those farmers who own all of their land and report the amount as well as the fact of indebtedness. Of the 9,636 farms reported as mortgaged, 8,019 are wholly owned by the farmers, and for 7,571 of these the amount of mortgage debt is reported. Only these last-mentioned farms are included under 1910 in the next table, which presents data relating to mortgaged farms for 1910 and 1890. In this connection it should be noted that in 1890 the amount of mortgage debt of

farms with incomplete reports was estimated according to the percentages and averages obtained from farms with full reports, but that no such estimate is here made for 1910. The table gives a comparative statement of the value of mortgaged farms owned entirely by their operators and the amount of indebtedness, together with the average value of such farms, the average debt per farm, and the average equity per farm for 1910 and 1890. Data regarding the amount of mortgage debt were not obtained in 1900.

	OWNED FAR HOMES MO	INCREASE.		
	1910 (1890 *	Amount.	Per cent.
Number Value—Laud and buildings Amount of mortgage debt Per cent of debt to value Average value per farm Average dept per farm Average equity per farm	7,571 \$77,332,068 \$18,986,026 24.6 \$10,214 \$2,508 \$7,706	3,929 \$17,205,433 \$5,573,154 32,4 \$4,379 \$1,418 \$2,961	\$5,835 \$1,090 \$4,745	133. 2 76. 9 160. 2

¹ Includes only farms consisting wholly of owned land and reporting value of farm and amount of debt.
² Includes all owned farm homes, estimates being made of value of farms and amount of debt for all defective reports.

The average debt of mortgaged farms increased in 20 years from \$1,418 to \$2,508, or 76.9 per cent, while the average value of such farms rose from nearly \$4,400 to over \$10,000, or 133.2 per cent. Thus the owner's equity increased on the average from almost \$3,000 to \$7,700, or 160.2 per cent. As a result of the greater relative increase in farm value than in farm debt, the mortgage indebtedness, which was 32.4 per cent of the value of the farm in 1890, had decreased to 24.6 per cent of this value in 1910.

Farms by size groups: 1910 and 1900.—The following table shows the distribution of farms by size groups at the censuses of 1910 and 1900:

SIZE GROUP.	NUMBER (of farms.	INCRI	EASE.1	PER CENT OF TOTAL.	
	1910	1900	Number.	Per cent.	1910	1900
Total Under 3 acres 3 to 9 acres 10 to 19 acres 20 to 49 acres 100 to 174 acres 175 to 259 acres 260 to 499 acres 500 to 999 acres 1,000 acres 1,000 acres and over	46,170 569 2,222 2,279 3,882 4,384 16,355 3,004 9,472 2,426 1,577	24,700 794 1,047 1,032 2,122 2,526 9,104 1,673 3,799 1,466 1,237	21,470 -225 1,175 1,247 1,760 1,858 7,261 1,431 5,673 960 340	86. 9 -28. 3 112. 2 120. 8 82. 9 73. 6 79. 6 91. 0 149. 3 65. 5 27. 5	100.0 1.2 4.8 4.9 8.4 9.5 35.4 6.5 20.5 5.3 3.4	100. 0 3. 2 4. 2 4. 2 8. 6 10. 2 36. 9 6. 4 15. 4

1 A minus sign (-) denotes decrease.

Over one-third of all farms in Colorado are between 100 and 174 acres in size, which limits include the quarter-section farms. About one-fifth are in the "260 to 499 acres" class, which limits include the half-section farms. These two groups also contained the greater number of farms in 1900.

A study of the distribution of farms by size groups discloses the fact that the greatest relative gain in number from 1900 to 1910 was made in the "260 to

499 acres" group, but the greatest absolute gain occurred in the "100 to 174 acres" group. The farms in the "260 to 499 acres" group constituted a much larger percentage in 1910 than in 1900. The number of places "under 3 acres" reported as farms is only about three-fourths as great as 10 years ago. This decrease may be due to a different interpretation by the enumerators as to what to include as a small farm, or may represent an actual decrease in that type of farm. Every other group shows a considerable absolute and relative increase, but the movement is least marked among the farms over 500 acres in size.

The following table shows the total and improved acreage and the value of land and buildings for farms of various size groups, consolidating into one group the farms of less than 20 acres (numbering in all 5,070), and also the farms of between 175 and 499 acres (numbering 12,476):

SIZE GROUP.	ALL LAND IN FARMS (ACRES).		IMPROVI IN FARMS	ED LAND (ACRES).	VALUE OF LAND AND BUILDINGS.		
	1910	1900	1910	1900	1910	1900	
Total Under 20 acres 20 to 49 acres 50 to 99 acres 100 to 174 acres 175 to 499 acres 500 to 999 acres 1,000 acres and over	13, 532, 113 40, 432 126, 209 328, 961 2, 526, 569 3, 929, 716 1, 699, 403 4, 880, 823	22,523 72,403 199,057 1,409,466 1,701,623	37,538 99,671 235,870 978,512 1,456,957 557,631	18, 695 50, 844 129, 033 607, 094 699, 038 297, 601	25, 630, 351 28, 470, 967 37, 509, 580 93, 753, 309	4, 921, 212 7, 340, 830 24, 226, 545 26, 225, 580 11, 735, 660	

The following table shows the per cent distribution, by size groups, of the items presented in the preceding table, and also of the number of farms:

	PER CENT OF TOTAL.									
SIZE GROUP.	Number of farms.		All land in farms.		Improved land in farms.		Value of land and buildings,			
·	1910	1900	1910	1900	1910	1900	1910	1900		
Total Under 20 acres 20 to 49 acres 20 to 49 acres 100 to 174 acres 175 to 499 acres 175 to 499 acres 1,000 acres and over 1,000 acres and over	100. 0 11. 0 8. 4 9. 5 35. 4 27. 0 5. 3 3. 4	100.0 11.6 8.6 10.2 36.9 21.7 5.9	100. 0 0. 3 0. 9 2. 4 18. 7 29. 0 12. 8 36. 1	100, 0 0, 2 0, 8 2, 1 14, 9 18, 0 11, 0 53, 0	100.0 0.9 2.3 5.45 22.7 33.9 13.0 21.8	100.0 0.8 2.2 5.7 26.7 30.7 13.1 20.7	100, 0 6, 3 7, 0 9, 2 22, 9 28, 2 9, 9 16, 5	100.0 5.9 4.6 6.9 22.8 24.7 11.0 24.1		

Of the total farm acreage of the state in 1910, 36.1 per cent was in farms of 1,000 acres and over, and 29 per cent in farms of 175 to 499 acres, these two being from the standpoint of aggregate acreage the most important size groups. The most notable change between 1900 and 1910 was the decrease in the proportion of the total acreage which was in farms of 1,000 acres and over, offset by increases in the proportion in every other size group, the increase for the farms of 175 to 499 acres being the most considerable.

As shown by the next table, the percentage of farm land improved diminishes as the average size of the farms increases. For this reason and also because buildings have normally a higher value in proportion to farm acreage on small than on large farms, the average value of land and buildings per acre of land also diminishes with the increase in the size of the farms; it is very much higher for the farms under 20 acres in size than for those of any other group.

	PER CE		AVERAGE VALUE OF LAND AND BUILDINGS.				
SIZE GROUP.	FARM IMPRO		Per farm.		Per acre.		
	1910	1900	1910	1900	1910	1900	
Total Under 20 acres 20 to 49 acres 50 to 99 acres 100 to 174 acres 175 to 499 acres 500 to 999 acres 1,000 acres and over	38.7	24.0 83.0 70.2 64.8 43.1 41.1 28.5 9.4	\$8,848 5,055 7,334 8,556 5,732 9,237 16,623 42,859	\$4,305 2,167 2,319 2,906 2,661 4,882 8,005 20,750	\$30, 19 633, 91 225, 59 114, 02 37, 11 20, 38 23, 73 13, 85	\$11, 22 276, 43 67, 97 36, 88 17, 19 15, 41 11, 24 5, 11	

Color and nativity of farmers: 1910.—Prior to the Thirteenth Census no attempt was made to secure information on the farm schedules concerning the nativity of farmers.

Four-fifths of the Colorado farmers were native whites and almost one-fifth foreign-born whites. Only 574, or 1.2 per cent of all farmers, were nonwhites, 405 being Indians; 87, Japanese; 81, negroes, and 1, Chinese. About four-fifths of each color and nativity group were reported as owners, most of the remaining one-fifth (nearly 19 per cent) being tenants.

Of the 8,398 foreign-born white farmers in Colorado in 1910, 1,926 were born in Germany, 1,128 in Sweden, 882 in England, 734 in Russia, 643 in Canada, 539 in Italy, 462 in Austria, 451 in Ireland, 434 in Denmark, 294 in Scotland, 242 in Switzerland, 176 in Norway, 111 in Wales, 101 in France, and 87 in Holland. Other European countries were represented by a total of 160 farmers, and non-European countries, other than Canada, by 28.

The table which follows shows the color and nativity of farm operators by character of tenure for 1910:

	FARM OPERATORS.								
COLOR AND NATIVITY.	Total.					Per cent of total.			
	Num- ber.	Per cent dis- tribu- tion.	Own- ers.	Ten- ants.	Man- agers.	Own- ers.	Ten- ants.	Mon- agers.	
Total Native white Foreign-born white, Negro and other nonwhite	46, 170 37, 198 8, 398 574	100. 0 80. 6 18. 2 1. 2	36,993 29,801 6,726 466	8,390 6,711 1,572 107	787 686 100	80. 1 80. 1 80. 1 81. 2	18.2 18.0 18.7 18.6	1.7 1.8 1.2 0.2	

DOMESTIC ANIMALS, POULTRY, AND BEES.

Domestic animals on farms: 1910.—The census of 1910 was taken as of April 15, and that of 1900 as of June 1. Since a great many domestic animals are born during the six weeks between April 15 and June 1, 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 closely comparable, and the same is true in somewhat less degree of the values. For this reason the figures for 1900 are not presented in this bulletin, but in the general reports of the census the figures for the several states will be presented and the extent to which their comparability is affected by the change in the date of enumeration will be discussed.

Of the total number of farms enumerated, 43,033, or 93.2 per cent, report domestic animals of some kind, the number without any domestic animals being 3,137.

Of all the farms in the state, 74.1 per cent report cattle, 70.7 per cent "dairy cows," and only 25.2 per cent "other cows." The average number of dairy cows per farm reporting is only about 5, while the average number of cows not kept for milk per farm reporting that class is about 35. The total number of dairy cows increased somewhat during the decade, and the average value increased from \$37.94 to \$41.19.

while other cows decreased both in number and average value. Steers and bulls of all ages decreased considerably during the decade.

The census of 1900 was taken as of June 1, after all the spring calves were born, while that of 1910 was taken as of April 15, before the close of the calving season and when the calves on hand were on the average younger than at the enumeration of 1900. As a result, the calves enumerated were fewer in number and of lower average value in 1910 than in 1900, the number decreasing from 269,154 to 86,201, and the average value decreasing from \$11.63 to \$8.24.

Horses and colts are reported by 90.1 per cent of all the farms in the state, and average 7 per farm reporting. Spring colts are reported by 11.9 per cent, while 26.4 per cent report yearlings. The average value of mature horses is reported at \$100.78. Only about one farm in every ten reports mules and mule colts. The average values of mules are greater than for horses of the corresponding age groups.

Sheep and lambs are reported from 1,794 farms, or 3.9 per cent of all the farms in the state. Of these 1,794 farms, 40.1 per cent report spring lambs, the number of the latter being equal to 10.9 per cent of the number of ewes; this decidedly small proportion is doubtless due to the early date of enumeration. Ewes

are reported from all but 135 farms reporting sheep, and for the farms reporting the average is nearly 670 ewes per farm. The farms reporting rams and wethers show an average of over 193 per farm.

Of all farms, 41.1 per cent report swine, the average number being over 9 per farm reporting. The average value of the swine classed as 'hogs and pigs born before January 1, 1910,' is \$12.27, while that of spring pigs is one-fourth as much.

The following table summarizes the statistics of domestic animals on farms for the state, recorded as of April 15, 1910. Cattle and sheep are divided into age and sex groups, while horses, mules, and swine are presented by age groups only.

					
	FAR REPOR			Animals.	
AGE AND SEX GROUP.	Number.	Percent of all farms.	Number.	Value.	Aver- age value.
Total	43,033	93. 2		\$08,840,485	
Cattle	34, 202	74, 1	1,127,737	31,017,303	\$27.50
Dairy cows (cows and helfers kept for milk, born before Jan. 1, 1909). Other cows (cows and helf-	32,660	70.7	144,734	5,961,316	41. 1
ers not kept for milk, born before Jan. 1, 1909) Heifers born in 1909 Calves born after Jan. 1, 1910 Steers and bulls born in 1909	11,627 15,786 16,776 8,846	25. 2 34. 2 36. 3 19. 2	405, 884 114, 815 86, 201 99, 709	11,083,972 2,054,943 710,698 2,113,704	27. 3 17. 9 8. 2 21. 2
Steers and bulls born before Jan. 1, 1909 Unclassified cattle	6, 514 57	14.1 0.1	255, 533 20, 861	8,529,941 502,729	33. 3 26. 9
Horses	41,607	90, 1	294,035	27, 382, 926	93.1
ings born before Jan. 1, 1909. Colts born in 1909. Colts born after Jan. 1, 1910. Unclassified horses.	41,510 12,208 5,480	89. 9 26. 4 11. 9 (¹)	254, 581 29, 601 9, 388 405	25,655,549 1,419,805 271,777 35,705	100. 78 47. 90 28. 98 70. 98
Mules born before Jan. 1,	4,802	10,4	14,739	1,798,535	122.0
Mule colts born in 1909	4,025 927	8.7 2.0	11,602 2,408	1,605,500 165,238	138. 38 68. 69
Mule colts born after Jan. 1, 1910	489	1,1	729	27,797	38. 1
Asses and burros	965	2.1	3, 233	136,732	42, 2
Swine.	18,979	41.1	179, 294	1,568,158	8.7
Hogs and pigs born before Jan. 1, 1910 Pigs born after Jan. 1, 1910.	17, 427 6, 600	37. 7 14. 3	110,922 68,372	1,360,907 207,251	12. 2° 3. 0°
Sheep. Ewes born before Jan.1, 1910.	1,794 1,659	3.9 3.6	1,426,214 1,111,336	6,856,187 5,465,629	4.8 4.9
Rams and wethers born be- fore Jan. 1, 1910 Lambs born after Jan. 1, 191	1,004 719	2, 2 1, 6	194, 260 120, 618	1,089,087 801,471	5. 6. 2. 50
Goats	959	2.1	31, 611	80,644	2.5

1 Less than one-tenth of 1 per cent.

Poultry on farms: 1910 and 1900.—The increase in the number of fowls on Colorado farms during the 10 years from 1900 to 1910 amounts to 69.2 per cent, while the value increased from \$393,000 to \$1,012,000, or 157.4 per cent. The increase in the number of chickens more than offset the decrease in the number

of turkeys and ducks. The number of farms reporting poultry increased from 19,281 to 34,491, or 78.9 per cent, resulting in a decrease from about 53 to about 50 in the number of fowls per farm reporting. The value of poultry and the number of farms reporting were obtained in 1900 for the total of all fowls only, and not for each kind as in 1910.

The following table gives the numbers of the various kinds of poultry reported in 1910 and 1900, together with their value and the number of farms reporting each kind in 1910:

		1900 (June 1)				
EIND.	Farms reporting.					
	Number.	Percent of all farms.	Number of fowls.	Value.	Number of fowls.	
Total. Chickons. Turkeys. Ducks. Geosc. Guinea fowls. Pigeons. Poafowls. Pheasants.	34,491 34,427 5,692 2,486 1,053 859 1,015 12	74.7 74.6 12.3 5.4 2.3 1.9 2.2 (3)	1,721,445 1,644,471 26,430 12,250 4,455 3,668 29,998 66 107	\$1,012,251 927, 977 56, 435 8, 965 6, 796 2, 065 9, 354 280 379	1,017,120 968,761 30,781 15,002 2,576 (1) (2) (2) (2)	

1 Included with chickens. 2 Not reported. 3 Less than one-tenth of 1 per cent.

Bees on farms: 1910 and 1900.—The number of farms reporting bees has decreased from 4,518 in 1900 to 3,563 in 1910, or 21.1 per cent. The number of colonies of bees increased from 59,756 to 71,434, or 19.5 per cent, and their value increased from \$195,096 to \$308,608, or 58.2 per cent. The average value of bees per farm reporting was \$43.18 in 1900 and \$86.61 in 1910. About seven farms in every one hundred report bees.

Domestic animals not on farms: 1910.—Most of the domestic animals not on farms are found in cities, towns, and villages. Statistics for such animals are shown below. No provision was made by law to secure data pertaining to poultry and bees not on farms. In the table below age groups are omitted for the sake of brevity, but it may be noted that in cities and villages a comparatively small proportion of the animals of each class are in the younger age groups.

	Number	animals.			
KIND.	of inclos- ures reporting.	Number.	Value.	Average value.	
Total. All cattle. Dairy cows. Horses. Mules. Assas and burros. Swine. Sheep. Goats.	17,621 548 544 828	30, 498 11, 772 48, 129 3, 324 1, 362 13, 957 8, 473 4, 008	\$7,255,060 1,392,350 558,861 5,157,786 501,886 29,265 125,227 36,694 11,852	\$45, 65 47, 47 107, 17 150, 99 21, 49 8, 97 4, 33 2, 96	

As would be expected, horses are by far the most important class of domestic animals not on farms, both in number and in value; cattle, about one-third of which consists of dairy cows, rank next in importance.

Domestic animals on farms and not on farms: 1910.—The total value of all domestic animals in the state in 1910 was \$76,096,000, of which the value of animals not on farms constituted 9.5 per cent.

The following table gives the total number and value of domestic animals, distinguishing those on farms from those not on farms.

	DOMESTIC ANIMALS.								
KIND.	Т	otal.	On	farms.	Not on farms.				
	Num- ber.	Value.	Num- ber.	Value.	Num- ber.	Value.			
Total	1,158,235 156,506 342,164 18,063	6, 520, 177 32, 540, 712 2, 300, 421 165, 997 1, 693, 385 6, 892, 881	1, 127, 737 144, 734 294, 035 14, 739 3, 233 179, 294 1, 426, 214	5, 961, 316 27, 382, 926 1, 798, 535 136, 732 1, 568, 158 6, 856, 187	30, 498 11, 772 48, 129 3, 324 1, 362 13, 957 8, 473	558, 86 5, 157, 78 501, 88 29, 26 125, 22 36, 69			

LIVE STOCK PRODUCTS.

The returns for live stock products obtained at the census of 1910, like those for crops, relate to the activities of the calendar year 1909. It is impossible to give a total representing the annual production of live stock products for the reason that, as shown elsewhere, the total value of products from the business of raising domestic animals for use, sale, or slaughter can not be calculated from the census returns. Even if this value could be ascertained and were added to the value of the crops the sum would not correctly represent the total value of farm products, because, as already more fully explained, duplication would result from the fact that part of the crops are fed to the live stock.

Dairy products: 1909 and 1899.—The following table shows the principal statistics relative to dairy products in 1909, with certain comparative statistics for 1899:

	FARI REPORT		Number		VALUE	.
	Num- ber.	Per cent of all farms.	or quantity.	Unit,	Total.	Aver- age per unit.
Dairy cows on farms April 15, 1910 On farms reporting dairy	32, 660	70.7	144,734	Head.		
products in 1909	23, 235	50.3	114,158	Head.		
On farms reporting milk produced in 1909	20, 335	44.0	94,132	Head.		
Specified dairy products, 1909: Milk reported Butter made Cheese made	19, 381 122		33, 681, 723 5, 856, 132 69, 895	Lbs	\$1,565,224 10,045	
Milk sold. Cream sold. Butter fat sold. Butter sold. Oheese sold.	2, 184 1, 021 1, 124 10, 482	2.2 2.4 22.7	440, 257 1, 087, 681 2, 914, 143	Gals	1,988,153 290,626 311,222 800,740 7,982	0.68 0.29 0.27
Total receipts from sales, 1909 Total value of milk, cream, and butter fat sold and butter and cheese made, 1909					3, 407, 723 4, 174, 270	
Specified dairy products, 1899: Butter made. Cheese made. Butter sold.	174	0.7		Lbs	589.394	0.21

The number of farms reporting dairy cows on April 15, 1910, was 32,660, but only 23,235 reported dairy products in 1909. That there should be this difference is not surprising. Doubtless some farmers who

had dairy cows in 1910 had none in 1909, while other farmers neglected to give information for the preceding year, or were unable to do so, perhaps because the farm was then in other hands. Dairy products in general are somewhat less accurately reported than the principal crops. This is particularly the case as regards the quantity of milk produced. The number of farms which made any report of milk produced during 1909 was 20,335 (somewhat less than the total number reporting dairy products), and the number of dairy cows on such farms on April 15, 1910, was 94,132. The amount of milk reported was 33,632,000 gallons; assuming that there were the same number of cows in 1909 as in 1910, this would represent an average of 357 gallons per cow. In considering this average, however, it should be borne in mind that the quantity of milk reported is probably deficient and that the distinction between dairy and other cows is not always strictly observed in the census returns.

By reason of the incompleteness of the returns for milk produced, the Census Bureau has made no attempt to determine the total value of dairy products for 1909. For convenience a partial total has been presented comprising the reported value of milk, cream, and butter fat sold and the reported value of butter and cheese made, whether for home consumption or for sale. The total thus obtained for 1909 is \$4,174,000, which may be defined as the total value of dairy products exclusive of milk and cream used on the farm producing.

Less than one-third of the milk reported as produced by Colorado farmers in 1909 was sold as such. Considerable quantities of milk and cream were sold as butter fat. The butter made on farms in 1909 was valued at \$1,565,000.

Comparisons are made between 1909 and 1899 for but few of the census items relating to dairy products, for the reason that in 1899 estimates were made for farms with incomplete reports, which was not done at the census of 1910. The figures for milk produced and milk sold are particularly affected, but those for butter and cheese are approximately comparable. The table shows a material increase between 1899 and 1909 in the amount of butter made, but a decrease in the production of cheese.

Wool: 1909 and 1899.—The table below gives statistics as to the production of wool on farms, the figures being partly based on estimates:

	w					
	Num- ber of Sheep of		WOOL PRODUCED.			
	farms report- ing,	shearing age.	Fleeces (number).	Weight (pounds).	Value.	
Sheep of shearing age on farms April 15, 1910 Wool produced, as re-	1,717	1,805,596				
ported, 1909 On farms reporting sheep April 15,	769		1,011,185	6,081,465	\$1,172,666	
On other farms Total production of wool	704 65	1,002,433	962, 577 48, 608	5,807,019 274,446	1,119,451 58,215	
(partly estimated): 1909 1899 Increase, 1899 to 1909 1 Per cent of increase			1, 253, 686 1, 390, 400 -136, 714 9. 8	7,563,219 8,543,937 -980,718 -11.5	1,458,003 1,115,331 342,672 30.7	

1 A minus sign (-) denotes decrease.

The total number of sheep of shearing age in Colorado on April 15, 1910, was 1,306,000, representing a decrease of 3.5 per cent, as compared with the number on June 1, 1900 (1,353,000). The approximate production of wool during 1909 was 1,254,000 fleeces, weighing 7,563,000 pounds, and valued at \$1,458,000. Of these totals about one-fifth represents estimates. The number of fleeces produced in 1909 was 9.8 per cent less than in 1899. The average weight per fleece in 1909 was 6 pounds, as compared with 6.1 pounds in 1899, and the average value per pound was 19 cents, as compared with 13 cents in 1899.

Goat hair and mohair: 1909 and 1899.—Although 959 farmers reported 31,611 goats and kids on their farms April 15, 1910, only 40 reported the production of goat hair or mohair during 1909. These farmers reported 2,547 fleeces, weighing 7,894 pounds and valued at \$2,024. Although the production is still unimportant, some increase is shown over that in 1899. Many farmers who have goats do not produce goat hair or mohair, but it is believed that the report is somewhat short of the actual production.

Poultry products: 1909 and 1899.—The total number of fowls on Colorado farms on April 15, 1910, was 1,721,000. Of the 34,491 farms reporting fowls, 9,408 did not report any eggs produced in 1909, and 10,537 did not report any poultry raised in 1909.

The production of eggs actually reported for the year 1909 was 8,580,000 dozens, valued at \$1,968,000. According to the Twelfth Census reports, the production of eggs in 1899 was 5,704,000 dozens, the value being \$853,000. The latter figures, however, are somewhat in excess of the actual returns at that census, because they include estimates made to cover those cases where the schedules reported fowls on hand without reporting the production of eggs. In order to make the returns for 1909 comparable with those published for 1899 similar estimates have been made, the method of estimate and the justification therefor being substantially the same as in the case of wool. The total production of eggs in 1909, including these estimates, was 10,652,000 dozens, valued at \$2,444,000. The total production of poultry in 1909, including estimates made on the same basis as for eggs, was 2,707,000 fowls, valued at \$1,393,000.

The statement below gives data relative to the production and sale of eggs and poultry:

farms	Number of	J)	DUCT.	
report- ing.	fowls on hand.	Quantity.	Value.	
34,491	1,721,445			
25,083 9,408	1, 401, 457 319, 988			
25,494		Dozens. 8,579,743	\$1,968,472	
		10,652,390 5,704,290 4,948,106	2,444,006 852,978 1,591,028 186.5	
17,356		4, 260, 285	981,851	
23,954 10,537	1,366,981 354,464			
24, 565		No. of fowls. 2, 149, 556	1, 106, 197	
		2,706,945	1,393,039 587,536	
		870 198	805, 503 137. 1 384, 812	
	34,401 25,083 9,408 25,404 17,356 23,954 10,537 24,565	34,401 1,721,445 25,083 1,401,457 9,408 21,401,457 25,494	34,401 1,721,445	

Honey and wax: 1909.—Although, as noted elsewhere, 3,563 farms reported 71,434 colonies of bees on hand April 15, 1910, 1,186 of these farms, with 7,076 colonies on hand April 15, 1910, made no report of honey or wax produced in 1909. The actual returns show the production of 2,306,492 pounds of honey, valued at \$225,832, and 33,682 pounds of wax, valued at \$8,502; the true totals are doubtless somewhat above these figures.

Sale or slaughter of domestic animals on farms: 1909 and 1899.—The total value of domestic animals sold during 1909 was \$22,454,000, and that of animals slaughtered on farms \$1,754,000, making an aggregate of \$24,208,000. This total, however, involves considerable duplication, resulting from the resale or slaughter of animals which had been purchased by the farmers during the same year.

Farmers should be able in general to report the production of wool more accurately than that of dairy products. There were, however, 1,013 farmers who reported the possession of 303,163 sheep of shearing age on April 15, 1910, without reporting any wool produced in 1909. Probably in a large proportion of cases this failure was due to the fact that they did not have these sheep or did not occupy the same farm during the preceding year. The returns of farms reporting wool in 1909 but no sheep of shearing age on April 15, 1910, would partially make up this deficiency, but it is believed that in many cases enumerators, having found that a farm had no sheep in 1910, omitted the inquiry as to wool produced in 1909 and thus missed more or less wool actually produced. It is a fairly safe assumption that the entire production of wool in 1909 bore the same relation to the entire number of sheep of shearing age on April 15, 1910, as the production of wool on those farms reporting both production and sheep bore to the number of sheep reported on such farms. Statistics for this group of farms are given in the table, and the total wool product, estimated on the basis of the above assumption, is also given.

The total value of the cattle (including calves) sold during 1909 represented nearly two-thirds of the total value of animals sold, and the value of sheep sold represented nearly one-fifth of the total.

The census of 1900 called for the receipts from the sale of all domestic animals raised on the farms reporting and the total value of those slaughtered during 1899, which amounted, respectively, to \$8,478,000 and \$1,093,000.

The item of sales is not closely comparable with that for 1909, when the inquiry covered all sales whether of animals raised on the farms reporting or elsewhere. It is believed, however, that in many cases the returns for 1899 also included receipts from sales of animals not actually raised on the farm reporting.

The table in the next column presents statistics relating to the sale or slaughter of domestic animals by Colorado farmers during the year 1909, with certain items for 1899.

	FARMS REPORTING.		Number	VALUE	,
	Number.	Percent of all farms.	of animals.	Total.	Aver- age.
1909—All domestic animals: Sold Slaughtered Calves:				\$22,453,959 1,754,216	
Sold	4,802 2,591	10. 4 5. 6	33,934 11,557	368,718 115,405	\$10.87 9.99
Sold	11,013 5,467	23.9 11.8	437,215 26,818	13,882,332 749,189	31.75 27.94
Sold	5,454	11.8	23,821	2, 232, 206	93.71
Sold	776	1.7	2,697	300,744	111.51
Sold	47	0.1	403	10,843	26.91 11.15
Sold Slaughtered Sheep:	5,398 12,330	26.7	124,667 52,081	1,389,749 809,069	15.58
SoldSlaughteredGoats:	879 577	1.9	977,460 19,945	4,257,243 71,988	4.36 3.61
Sold Slaughtered	90 186	0.2 0.4	5,641 3,740	12,124 8,565	2. 15 2. 29
1899—All domestic animals: Sold ¹ Slaughtered.				8,477,587 1,093,365	

¹ Schedules called for receipts from sales of animals raised on the farms reporting.

CROPS.

Summary: 1909 and 1899.—The following table summarizes the census data relative to all of the farm crops of 1909 and 1899. It includes not onlygeneral farm crops, but also flowers and plants, nursery products, and forest products of farms. In comparing one year with the other it should be borne in mind that acreage is on the whole a better index of the general

changes or tendencies of agriculture than either the quantity or the value of the crops, since variations in quantity may be due largely to temporarily favorable or unfavorable climatic conditions, and variations in the value of the crops are largely affected by changes in prices. (See also discussion of "Total value of farm products.")

		ACRE	PER CENT OF				VALUE OF PRODUCTS.					
	1909	1899	Increa	so.1	IMPROVI OCCU		1909	1899	Increas	e.1	Per ce	
			Amount.	Per cent.	1909	1899			Amount.	Per cent.	1909	1899
All crops							\$50,974,958	\$16,970,588	\$34,004,370	200. 4	100.0	100.0
Crops with acreage reports. Cereals. Other grains and seeds. Hay and forage. Broom corn. Sugar crops. Sundry minor crops. Potatoes and sweet potatoes and	32, 878 1, 285, 064 5, 631 111, 251 77	1,549,503 525,299 6,694 952,214 1,241 1,145 338	1,064,809 532,606 26,184 332,850 4,390 110,108 —261		60.8 24.6 0.8 29.9 0.1 2.6 (2)	68.1 23.1 0.3 41.9 0.1 0.1 (2)	45,795,093 14,787,519 549,649 17,282,276 71,717 6,104,672	16,389,714 4,700,271 81,099 8,159,279 10,577 27,818 745	29, 405, 379 10, 087, 248 468, 550 9, 122, 997 61, 140 6, 076, 854 —35	-4.7	89.8 29.0 1.1 33.9 0.1 12.0 (2)	96.6 27.7 0.5 48.1 0.1 0.2 (2)
yams Other vegetables Flowers and plants and nurserv	85, 860 32, 422	44,095 15,496	41,765 16,926	94.7 109.2	2.0 0.8	1.9 0.7	3,709,305 2,349,634	1,719,175 1,131,950	1,990,130 1,217,684	115.8 107.6	7.3 4.6	10,1
products. Small fruits.	395 2,829	634 2,347	-239 482	-37.7 20.5	(2) 0.1	(2) 0.1	540,775 398,836	264, 415 294, 385	276,360 104,451	104.5 35.5	1.1 0.8	1.6 1.7
Crops with no acreage reports. Seeds. Fruits and nuts. Forest products of farms. Miscellaneous.							5,179,865 176,217 4,680,142 305,719 17,787	580, 874 64, 408 1395, 726 113, 055 7, 685	4,598,991 111,809 4,284,416 192,664 10,102	791.7 173.6 1,082.7 170.4 131.5	10.2 0.3 9.2 0.6 (*)	3.4 0.4 2.3 0.7 (3)

¹ A minus sign (-) denotes decrease.

The total value of crops in 1909 was \$50,975,000. Of this amount, 89.8 per cent was contributed by crops for which the acreage as well as the value was reported, the remainder consisting of the value of by-products (straw, garden and grass seeds, etc.)

derived from the same land as other crops reported, or of orchard fruits, nuts, forest products, and the like. The combined acreage of crops for which acreage was reported was 2,614,312, representing 60.8 per cent of the total improved land in farms (4,302,101 acres).

² Less than one tenth of 1 per cent.

² Includes value of raisins and other dried fruits, wine, eider, vinegar, etc.

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 for which was not reported.

The general character of Colorado agriculture is · indicated by the fact that less than one-third (29 per cent) of the total value of crops in 1909 was contributed by the cereals, about one-third (33.9 per cent) by hay and forage, about one-eighth (12 per cent) by sugar crops, and about one-eighth (11.9 per cent) by potatoes and other vegetables. The remainder, representing 13.2 per cent of the total, consisted mostly of fruits and nuts.

The total value of crops in 1909 was 200.4 per cent greater than in 1899, this increase being no doubt due in part to higher prices. There was an increase of 68.7 per cent in the total acreage of crops for which acreage was reported; there were increases in the acreage of all of the important crops, the greatest absolute increase being that in the acreage of cereals.

General farm crops, minor grains and seeds, and sundry minor crops: 1879 to 1909.—The following table presents statistics for 1909 regarding cereals, other grains and seeds, hav and forage, potatoes, broom corn, and sundry minor crops.

Common spring						
Cereals, total.	CROP		Acres	QUANT	HTY.	Valua
Corn. 12,711 322,555 4,903,304 Bu. 2,673,585 Cots. 12,844 275,948 7,642,855 Bu. 4,177,29 126,578 3,136,976 Bu. 6,463,92 126,578 3,136,976 Bu. 2,866,92 126,578 3,136,976 Bu. 2,866,92 126,578 3,136,976 Bu. 2,866,92 126,578 3,136,976 Bu. 2,866,92 126,578 3,467,867 Bu. 3,155,31 126,377	GWOF,		harvested.	Amount.	Unit.	value.
Corn. 12,711 322,555 4,903,304 Bu. 2,673,585 Cots. 12,844 275,948 7,642,855 Bu. 4,177,29 126,578 3,136,976 Bu. 6,463,92 126,578 3,136,976 Bu. 2,866,92 126,578 3,136,976 Bu. 2,866,92 126,578 3,136,976 Bu. 2,866,92 126,578 3,136,976 Bu. 2,866,92 126,578 3,467,867 Bu. 3,155,31 126,377	Cereals, total		1 057 905	99 299 298	R11	914 797 510
Oats. 12,844 275,948 7,642,855 Bu 4,177,282 Wheat, total 11,719 340,729 7,224,057 Bu 2,856,51 Common winter 4,137 128,578 3,467,867 Bu 2,856,51 Bu 14,177,282 Bu 2,856,51 Bu 1,643,92 Bu 2,856,51 Bu 1,643,92 Bu 2,856,51 Bu 1,643,92 Bu 1,65,374 Bu 1,65,93 Bu 1,65,9	Corn	12.711	326 550			2 873 584
Common winter			275, 948	7, 642, 855		4, 177, 267
Common winter	Wheat, total	11,719	340, 729	7, 224, 057		6, 463, 926
Common spring	Common winter	4,137	128,578	3, 136, 976		2,856,513
Emmer and spelt 998 15,523 324,713 Bu 153,06 Barley	Common spring	7,162	165,374	3,467,867	Bu	3, 155, 317
Barley	Durum or macaroni		48,777	619, 214	Bu	452,096
Buckwheat. 17 49 798 Bu. 123,536 Rye- 992 15,715 198,025 Bu. 123,536 Rafir corn and milo maize. 783 11,971 139,234 Bu. 94,48 Other grains and seeds with acreage report, total 1. 32,878 5,040 53,926 Bu. 128,702 Dry pess 832 24,230 258,281 Bu. 397,544 Flaxseed 118 2,887 13,462 Bu. 17,488 Sorghum cane seed 79 704 9,147 Bu. 17,488 Seeds with no acreage report, total. 11 (2) 378 Bu. 23,007 Clover seed 15 (2) 284 Bu. 2,300 Millet seed 396 (2) 18,040 Bu. 137,212 Millet seed 249 (2) 29,439 Bu. 19,988 Other tame grass seed 34 (2) 3,007 Bu. 19,988 Other tame grass seed 24 (2) 3,007 Bu. 19,988 Flower and garden seeds 24 (2) 3,007 Bu. 19,988 Timothy alone 1,779 51,555 82,482 Tons. 746,147 Timothy and clover mixed 904 45,001 84,636 Tons. 17,282,276	Emmer and spelt		15,528	324,713		153,068
Ryc	Barley					
Cher grains and seeds with acreage report, total 1 139,234 334,955 344,95 344,95 344,95 344,95 344,9	Duckwheat					905
Clover seed	Kafir corn and mile maize.				Bu	94,486
Dry edible beans	Other grains and seeds with					
Dry peas 832 24, 230 258, 281 Bu 397, 548 Flaxseed 118 2, 887 13, 462 Bu 17, 488 Seeds with no acreage report, total 11 (2) 378 Bu 87, 794 Timothy seed 11 (2) 378 Bu 87, 214 Clover seed 15 (2) 284 Bu 2, 306 Alialia seed 249 (2) 29, 439 Bu 19, 988 Other tame grass seed 34 (2) 3, 067 Bu 19, 988 Flower and garden seeds 24 (2) 3, 067 Bu 2, 438 Flower and garden seeds 24 (2) 3, 067 Bu 13, 391 Flower and forage, total 29, 138 1, 285, 064 2, 241, 586 Tons 17, 282, 276 Timothy and clover mixed 904 45, 001 84, 636 Tons 685, 164 Timothy and clover mixed 904 45, 001 84, 636 Tons 685, 164 Timothy and clover mixed 904 45, 001 84, 636 Tons 685, 164 Timothy and clover mixed 904 45, 001 84, 636 Tons 685, 164 Timothy and clover mixed 904 45, 001 84, 636 Tons 685, 164 Timothy and clover mixed 904 45, 001 84, 636 Tons 685, 164 Timothy and clover mixed 904 45, 001 84, 636 Tons 685, 164 Timothy and clover mixed 904 45, 001 84, 636 Tons 685, 164 Timothy and clover mixed 904 45, 001 84, 636 Tons 685, 164 Timothy and clover mixed 904	acreage report, total 1		32,878		Bu	549,649
Flaxseed	Dry edible beans	1,387	5,040	53,926	Bu	128,701
Sorghum cane seed	Dry peas		24,230		Bu	
Seeds with no acreage report, total	Sanghum cone good		2,887			17,486
Port, total	Soeds with no coroses re	79	704	9, 147	Bu	5,799
Timothy seed. 11 (2) 378 Bu 877. Clover seed. 15 (2) 284 Bu 2 306 Alfalfa seed. 249 (2) 29, 439 Bu 137, 212 Millet seed. 249 (2) 29, 439 Bu 19, 988 Other tame grass seed. 34 (2) 3, 067 Bu 2, 438 Flower and garden seeds. 24 (2) 3, 067 Bu 2, 438 13, 399 Bu 19, 988 Bu 19, 98	nort. total			1	1 1	174 917
Clover seed	Timothy seed	11	(2)	979	'B.,	
Alfalfa seed. 396 (2) 18,040 Bu. 137,215 Millet seed. 249 (2) 29,439 Bu. 19,985 Other tame grass seed. 34 (2) 3,007 Bu. 2,431 Flower and garden seeds. 24 (2) 13,391 Bu. 13,391 Bu. 13,391 Bu. 13,391 Bu. 13,391 Bu. 14,285,064 Bu. 17,282,271 Bu. 17,282,271 Bu. 17,282,271 Bu. 17,282,271 Bu. 18,040 Bu. 19,981 Bu. 19	Clover seed		\ \? <u>2</u> \{			
Millet seed 249 (2) 29,439 Bu 19,988 Other tame grass seed 34 (2) 3,067 Bu 2,431 Flower and garden seeds 24 (2) 3,067 Bu 13,399 Bu 14,399 Bu .	Alfalfa seed		25			137,212
Other tame grass seed 34 (2) 3,067 Bu 2,438 Flower and garden seeds 24 (2) 13,391 Bay and forage, total 29,138 1,285,064 7.01 17,282,276 Timothy alone 1,779 51,505 82,482 701s 746,144 7.01 84,636 701s 685,166	Millet seed	249	(25)			19,988
Flower and garden seeds. 24 (2)	Other tame grass seed		(2)	3,067		2,435
Timothy alone	Flower and garden seeds	24	(2)			13,395
Timothy alone	Haw and foreme total	00 120	1 00E 004	0.041 500	Mana	17 000 0MA
Timothy and clover mixed 904 45,001 84,636 Tons. 685,164	Timothy alone					746 146
	Timothy and clover mixed		45 001			685 164
	Clover alone	96	1,418	3,695	Tons.	29, 106
Alfalfa	Alfalfa		508,892			9,709,180
	Millet or Hungarian grass.	3,318				248, 190
grasses	grasses	1,317	72,030	107,910	Tons	883,806
Wild, salt, or prairie grasses 4, 404 304, 799 368, 408 Tons. 3.086, 956	Wild, salt, or prairie grasses	4,404	304,799	368, 408	Tons.	3,086,956
Grains cut green	Grains cut green	4,371	75,033			845,544
Coarse forage	Coarse forage		101,721			848,532
			3,739	<u> </u>	Tons	199,652
Potatoes 16,480 85,839 11,780,674 Bu 8,704,768	Potatoes		85,839	11,780,674		3,704,768
SWeet Dotatoes and vams 50 21 9 827 Ru 4 527	Sweet potatoes and vams			2,827	Bu	4,537
Broom corn	Broom com	240		1,187,791	Lbs	71,717
Sundry minor crops, total 3	Hamp			10.000	7 3	710
Hemp 3 77 16,300 Lbs 700	Tromb	3	. 77	TU ² 300	L/US	700

¹ Includes small amounts of broom corn seed, peanuts, and sunflower seed.
² The entire acreage from which these seeds were secured is believed to be included in the acreage given elsewhere for hay and forage crops, flowers and relate the second se plants, etc.

8 Includes small amount of tobacco.

The leading crops covered by the table, in the order of their importance as judged by value, are hay and forage, \$17,282,000; wheat, \$6,464,000; oats, \$4,177,000; potatoes, \$3,705,000; corn, \$2,674,000; and barley, \$1,101,000. It should be noted, however, that the production of some of the crops, the data for which are reported in other tables, is more important than oats, potatoes, corn, or barley.

The most important crop of the state by far is hay and forage, which has more than three times the acreage and nearly three times the value of wheat, the next crop in order. Of the totals for hay and forage crops, alfalfa contributes nearly two-fifths of the acreage and over one-half of the quantity and value. Next below alfalfa, in both acreage and value, is "wild, salt, or prairie grasses," followed in order of acreage by "coarse forage," "grains cut green," and "other tame or cultivated grasses," and in order of value by "other tame or cultivated grasses," "coarse forage," and "grains cut green."

Of the total acreage in wheat nearly one-half is common spring wheat and a little more than one-seventh is durum or macaroni. Of the cereals oats rank second in value and third in acreage, while corn is second in acreage and third in value.

Among other grains and seeds and sundry crops, aside from potatoes which rank as a leading crop of the state, dry peas, alfalfa seed, dry edible beans, and broom corn rank highest according to value.

The fluctuations in the acreages of some of the principal crops during the past 30 years are shown in the following table:

	ACRES HARVESTED.									
CROP YEAR.	Corn.	Oats.	Wheat.	Barley.	Hay and forage.	Potatoes.				
1909	326, 559 85, 256 119, 310 22, 991	275, 948 120, 952 87, 959 23, 023	340, 729 294, 949 126, 999 64, 693	71,411 21,949 12,086 4,112	1,285,064 952,214 481,621 97,117	85, 839 44, 075 31, 454 (¹)				

.1 Not reported.

The acreage of corn in 1909 was over fourteen times. greater than in 1879. The greater part of this increase occurred during the last 10 years, a decrease having taken place between 1889 and 1899. Oats have increased continuously in acreage and occupy now nearly twelve times their acreage in 1879. Wheat nearly doubled during the decade from 1879 to 1889, more than doubled during the next decade, and increased 15.5 per cent during the last decade. Barley, with an acreage much below those of the cereals just mentioned, has made consistently rapid gains throughout the 30 years, the gain for the last decade being 225.3 per cent. Hay and forage, with a greater acreage than any two of the cereals in 1879, has maintained first place throughout the period, making very considerable gains during each decade and having in 1909 an acreage over thirteen times as great as in 1879. Potatoes increased in acreage slightly less than one and one-half times from 1889 to 1899, since which time they have nearly doubled.

The following table shows for 1909 and 1899 the percentage which the farms reporting specified crops represented of all farms, the percentage of improved land devoted to these crops, and the percentage of increase in the acreage of each crop during the decade, together with the average yields and average values per acre for 1909:

CROP.	FAR REPOR		R CENT OF FARMS EPORTING. PER CENT OF LAND.		Per cent of increase in acres.	AVERAGE YIELD PER ACRE.	AVERAGE VALUE PER ACRE.
	1909	1899	1909	1899	1899 to 1909.	1909	1909
Corn Oats Wheat Barley Rye Kafircorn and milo maize Dry peas Hay and forage Potatoes	27. 5 27. 8 25. 4 9. 9 2. 1 1. 7 1. 8 63. 1 35. 7	19. 9 25. 1 32. 8 6. 4 1. 0 1. 6 68. 9 26. 2	7. 6 6. 4 7. 9 1. 7 0. 4 0. 3 0. 6 29. 9 2. 0	3.7 5.3 13.0 1.0 0.1 0.2 41.9	283.0 128.1 16.5 225.3 631.6 569.2 35.0 94.8	15,0 Bu. 27,7 Bu. 21,2 Bu. 26,5 Bu. 12,6 Bu. 11,6 Bu. 10,7 Bu. 1,74 Tons. 137,2 Bu.	\$8. 19 15. 14 18. 97 16. 41 7. 86 7. 89 16. 41 13. 45 43. 16

Out of every one hundred farms sixty-three report hay and forage, about thirty-six report potatoes, and almost twenty-eight report oats and a similar number corn. Most of the crops shown in the table were reported by a larger proportion of farms in 1909 than in 1899. Hay and forage, however, the crop most commonly grown, was reported by 63.1 per cent of the farms in 1909 and 68.9 per cent in 1899. There was a much more marked change in the proportion of improved land occupied by hay and forage; in 1899 it was 41.9 per cent and in 1909, 29.9 per cent. With the exception of wheat, which dropped from 13 per cent to 7.9 per cent, the remaining crops shown in the table occupied a greater proportion of improved land in 1909 than in 1899. In 1909 the acreage of the nine crops included in the above table was about 57 per cent of the improved land reported for the state, while in 1899 it was about 67 per cent of the improved land reported at that time.

The average value per acre of all cereals combined is \$13.98. The average values per acre of wheat, barley, and oats are above this amount, while corn, kafir corn and milo maize, and rye are below it. The average value per acre of hay and forage is a little below that of the combined cereals.

Much the greater part of the corn of the state is grown to the east of the mountains, the leading corngrowing counties being Yuma, Kit Carson, Phillips, Washington, and Elbert, from which is reported more than half of the total corn acreage. The acreage of oats is more evenly distributed over the state than is that of corn, the leading counties being Weld, Rio Grande, Larimer, El Paso, Saguache, Otero, and

Routt. Over half of the total acreage of wheat is reported for Weld, Yuma, Kit Carson, Boulder, Larimer, Adams, and Phillips Counties. Potatoes, while grown in every county in the state except two, have a much greater acreage in Weld County than in any other part of the state, the county ranking second in this respect, having only about one-seventh the acreage of Weld County. The greatest acreages of hay and forage are within the mountain district. Several individual counties on the plains to the eastward, however, show very large acreages of hay and forage, the greater portion of which is in alfalfa.

Vegetables, flowers and plants, and nursery products: 1909 and 1899.—The table which follows shows details with regard to vegetables (not including potatoes and sweet potatoes and yams, which appear elsewhere), and also with regard to flowers and plants and nursery products:

	FAR REPOR 196	TING,	ACR	ES.	VALUE OF PRODUCTS.		
CROP.	Num- ber,	Per cent of all farms.	1909	1899	1909	1899	
Vegetables, other than po- tates and sweet potatoes and yams, total	120,024	43. 4	32, 422	15, 496	\$2,349,634	\$1, 131, 950	
uct of \$500 or over	953 19,071	$\frac{2.1}{41.3}$	8,836 23,586		1,110,423 1,239,211		
Flowers and plants, total Farms reporting a prod-	94	0.2	154	137	468,685	198,479	
uct of \$250 or over All other farms	73 21	0.2 (2)			464, 141 4, 544		
Nursery products, total Farms reporting a prod-	61	0.1	241	497	72,090	65,936	
uct of \$250 or over All other farms	17 44	(3) 0.1			67,991 4,099		

¹ Does not include 6,511 farms which reported that they had vegetable gardens, but gave no information as to their products.

² Less than one-tenth of 1 per cent.

In 1909 the total acreage of potatoes and other vegetables was 118,282 and their value \$6,058,939. Excluding (so far as reported separately 1) potatoes and sweet potatoes and yams, the acreage of vegetables was 32,422 and their value \$2,350,000, both acreage and value being more than double that in 1899. The table distinguishes between farms which make the raising of vegetables a business of some importance (having produced vegetables valued at \$500 or more in 1909) and other farms, on most of which vegetables are raised mainly for home consumption. There were, in 1909, 953 farms in the first class, representing about one-fourth of the total acreage of vegetables and nearly one-half of the total value, the average acreage of vegetables per farm for these farms being 9.3 and the average value of product per acre \$125.67.

¹ It is probable that some of the potatoes and sweet potatoes and yams raised in farm gardens were not reported separately by farmers, but were included in their returns for vegetables.

The raising of flowers and plants and of nursery products is also of some importance in Colorado, 395 acres being devoted to them in 1909, and the output being valued at \$540,775. Most of the product was raised on farms where these branches of agriculture were carried on as an important business.

Small fruits: 1909 and 1899.—The following table shows data with regard to small fruits on farms:

	Number of farms	ACF	res,	Quantity	Volus	
CROP.	report- ing, 1909	1909	1899	(quarts), 1909	Value, 1909	
Small fruits, total. Strawberries Blackberries and dewberries. Raspberries and loganberries. Currants. Gooseberries. Other berries.	1,231 384 1,071 1,049 842	2,829 1,326 228 801 282 192	2,347 1,067 195 689 226 122 48	4, 294, 988 1, 674, 923 227, 598 1, 650, 785 493, 726 247, 956	\$398,836 156,059 27,833 156,668 39,935 18,341	

Raspberries and loganberries are the most important of the small fruits raised in Colorado in point of value, and second in production, and strawberries are first in production and second in value. The total acreage of small fruits in 1909 was 2,829 and in 1899, 2,347, an increase of 20.5 per cent. The production in 1909 was 4,295,000 quarts, as compared with 3,649,000 quarts in 1899, and the value \$399,000, as compared with \$294,000.

Orchard fruits, grapes, and nuts: 1909 and 1899.— The following table presents data with regard to orchard fruits, grapes, and nuts. The acreage devoted to these products was not ascertained. In comparing one year with the other the number of trees or vines of bearing age is on the whole a better index of the general changes or tendencies than the quantity of product, but the data for the censuses of 1910 and 1900 are not closely comparable, and the product is therefore compared, although variations may be due largely to temporarily favorable or unfavorable climatic conditions.

The total quantity of orchard fruits produced in 1909 was 4,566,000 bushels, valued at \$4,652,000. Apples contributed nearly four-fifths of this quantity, peaches and nectarines most of the remainder. The production of grapes in 1909 amounted to 1,037,614 pounds, valued at \$28,026, while the production of nuts was unimportant.

The production of all orchard fruits together in 1909 was nearly thirteen times as great as that in 1899, while the production of grapes increased by 77 per cent. The value of orchard fruits increased from \$378,000 in 1899 to \$4,652,000 in 1909, and that of grapes from \$17,174 in 1899 to \$28,026 in 1909. It should be noted in this connection that the values for 1899 include the value of more advanced products derived from orchard fruits or grapes, such as cider, vinegar, dried fruits, and the like, and may therefore involve some duplication, while the values shown for 1909 relate only to the products in their original condition.

	-								
	OF B	OR VINES EARING AGE.	N	OR VINES		PRODUCT:			
crop.		1910	BEAR!	ING AGE,	1	909	1899		
	Farms report- ing.		Farms report- ing.		Quan- tity,1	Value.	Quan- tity.1		
Orchard fruits, total	7,986 2,823	99, 989 143, 921 203, 806 16, 841	6, 496 2, 676 2, 076 2, 871 3, 842 715	1,972,914 606,001 171,367 68,525 319,624 10,299 2,369	8,559,094 692,258 132,536 81,539 88,937 11,403	210, 685 81, 354 173, 895 15, 658 187	257,563 47,381 19,272 15,224 5,387 2,363 (2)		
Grapes	1,034	254, 292	940	101,332	1,037,614	28, 026	586,300		
Nuts		1 3,667		4 674	47,796	1 324	15,400		

¹ Expressed in bushels for orchard fruits and pounds for grapes and nuts.
² Included with "unclassified."
³ Consists of products not separately named by the enumerator, but grouped under the designation "all other."
⁴ Includes Persian or English walnuts, black walnuts, almonds, chestnuts, pecans, Japanese walnuts, hickory nuts, filberts, bazelnuts, butternuts, and other nuts.

The following table shows the quantities of the more advanced products manufactured by farmers from orchard fruits and grapes. Values were not called for on the schedule.

PRODUCT.	REPOI	RMS RTING, 109.	QUANTITY PRODUCED.		
PRODUCE	Num- ber.	Per cent of all farms.	Unit.	1909	1899
Cider Vinegar Wine and grape juice. Dried fruits.	806 581 49 58	1.7 1.3 0.1 0.2	Gals Gals Gals Lbs	138,091 121,428 1,116 59,286	15,529 11,686 1,744 1,100

Sugar crops: 1909 and 1899.—The table below shows data with regard to sugar beets and sorghum cane. The total value of sugar beets produced in 1909 was \$6,061,152, as compared with \$26,711 in 1899.

		RMS RTING.		PRODUCT.			
PRODUCT.	Num- ber.	Percent of all farms.	Acres.	Amount.	Unit.	Value.	
Sugar beets: 19091 1890 Sorghum cane: Total, 1909 2	4,898 169	10.6 0.7	108,082 1,094	1,231,712 6,656	Tons Tons	\$6,061,152 26,711 43,520	
Cane grown Sirup made Total, 1899	324 24	0.7 0.1	3, 169	7, 161 2, 547	Tons Gals	1,804 1,107	
Cane grown. Cane sold as such. Sirup made.	20	0.1	51	349 20 2,661	Tons Tons Gals	71 1,036	

Includes beets used as root forage. 2 Includes cane used as coarse forage. Forest products: 1909 and 1899.—The census schedules for 1910 called for the "value of all firewood, fencing material, logs, railroad ties, telegraph and telephone poles, materials for barrels, bark, naval stores, or other forest products cut or produced in 1909, whether used on farm, sold, or on hand April 15, 1910;" and also, in a separate item, for the "amount received from sale of standing timber in 1909." There were 2,181 farms in Colorado (4.7 per cent of all farms in the state) which reported forest products in 1909, the total value of such products being \$305,719, as compared with \$113,055 in 1899, an increase of 170.4 per cent. Of the value in 1909, \$137,701 was reported as that of products used or to be used on the farms themselves, \$153,978 as that of products sold

or for sale, and \$14,040 as the amount received for standing timber. Forest products not produced on farms are not included in this report.

Miscellaneous crops: 1909.—Straw and cornstalks derived as by-products from the production of grain and corn have a considerable value for feed and other purposes. They are, however, mainly consumed on the farms producing them. The Census Bureau made no attempt to ascertain the total quantity or value of these products, but the schedules called for the quantity and value of those sold during the year 1909. The returns show that 336 farmers in Colorado sold, during 1909, 5,386 tons of straw, for which they received \$15,027, and that 88 farmers sold 723 tons of cornstalks and leaves, for which they received \$2,760.

SELECTED FARM EXPENSES AND RECEIPTS.

Farm expenses: 1909 and 1899.—The next table shows the number of farms reporting expenditures for labor, feed, and fertilizer at the census of 1910, as well as the sums expended in 1909 and 1899:

		1909		1899	increase.		
expense.	Farms re	porting.					
:	Number.	Per cent of all farms.	Amount.	Amount.	Amount.	Per cent.	
Labor Feed Fertilizer	22, 179 19, 545 560	48.0 42.3 1.2	\$10,818,465 4,592,799 61,113	\$4,100,905 (1) 23,225	\$6,717,560 37,888	163. 8 163. 1	

1 Not reported at the census of 1900.

Almost half of the farmers hire labor, and the average amount expended by the farmers hiring is \$487.78. A little less than one-fifth of the amount reported as expended for labor is in the form of rent and board. During the decade the total expenditure for labor increased 163.8 per cent. At prior censuses no tabulation was made of the number of farmers reporting expenditures for labor.

About two farmers out of every five report some expenditure for feed, but only about one out of every

hundred purchased fertilizer. The total amount reported as paid for fertilizer shows an increase of 163.1 per cent since 1899, the average per farm reporting being \$109.13.

Receipts from sale of feedable crops: 1909.—An effort was made at the census of 1910 to secure as complete a statement as possible of the sales as well as of the production of the more important feedable crops (that is, crops ordinarily fed to live stock). The following table summarizes the data reported:

	FAR REPOR		QUANTITY			
crop.	Number	Per cent of all farms.	Amount.	Unit.	Amount received.	
Total	2,037 3,924 981 6,274	4. 4 8. 5 2. 1 13. 6	616, 346 2, 108, 619 368, 931 390, 368	Bu Bu Bu Tons	\$5,010,168 348,224 1,177,940 206,764 3,277,240	

While the total amount expended by Colorado farmers for the purchase of feed in 1909 was \$4,593,000, the total receipts from the sale of feed by those reporting sales amounted to \$5,010,000.

COUNTY TABLES.

Tables 1 to 6, which follow, present by counties the more important agricultural data collected at the Thirteenth Census, 1910.

Table 1 shows the population, number of farms, land and farm area, value of farm property, and number and value of domestic animals and of poultry and bees, as of April 15, 1910. Comparative data for June 1, 1900, are given in italics for certain items.

Table 2 gives the number of farms, the farm acreage, and the value of farm property operated by owners, tenants, and managers, collected as of April 15, 1910. Statistics of farm mortgages are included in this

table. (See explanation in text.) Comparative data for June 1, 1900, are given in italics for certain items.

Table 3 gives statistics pertaining to the products of live stock on farms (dairy products, poultry and eggs, honey and wax, and wool and mohair); also the number and value of domestic animals sold or slaughtered on farms for the year 1909.

Table 4 shows the total value of farm crops and the principal classes thereof, together with the acreage (or trees of bearing age) and production of the principal crops for the crop year 1909.

Table 5 gives statistics relating to selected farm expenses for 1909 and also shows the receipts from the sale of feedable crops.

Table 6 shows the number and value of domestic animals in barns and inclosures not on farms, by classes, together with the number of dairy cows and mature horses and mules, on April 15, 1910.

Change of boundaries.—In comparing the data secured in 1910 with that in 1900, the following changes

in county boundaries should be considered: Adams and Denver Counties were organized from parts of Arapahoe County in 1902; Jackson County was organized from part of Larimer County in 1909; a part of Denver County was annexed to Adams County in 1909; a part of Jefferson County was annexed to Park County in 1908; and parts of Adams and Arapahoe Counties were annexed to Washington and Yuma Counties in 1903.

TABLE 1 .- FARMS AND FARM PROPERTY,

[Comparative data for June 1, 1900, in italics.]

$\overline{\top}$		THE STATE.	Adams.	Arapahoe.1	Archuleta.2	Baca.	Bent.
1 2	Population. Population in 1900	799, 024 539, 700	8,892 (¹)	10,263 153,017	3,302 2,117	2,516 759	5,043 3,049
	27 7 11 Panner	46, 170 84, 700	1,357 (¹)	948 2,105	282 215	540 197	463 27,4
5 6 7	Number of all farms in 1900. Color and nativity of farmers: Native white. Foreign-born white. Negro and other nonwhite. Number of farms, classified by size: Under 3 acres.	37, 198 8, 398 574	875 475 7	684 254 10	250 32	528 12	389 67
8 9	Number of farms, classified by size: Under 3 acres. 3 to 9 acres.	569	24 118	27 208	6	2	3 10
10 11 12	3 to 9 acres		136 113 104	102 82 49	2 8 17	4 8	5 21 · 64
- 1	100 to 174 acres	16, 355 3, 004	409 78	229 22	188 23	225 12	158 48
18 14 15 16 17	280 to 499 acres	9,472	275 67 33	141 45 43	69 16 3	204 37 47	107 30 17
18	LAND AND FARM AREA Approximate land area	66, 341, 120 13, 532, 113	807, 680 363, 785	538, 880 284, 917	780, 800 85, 130	1,633,280 257,344	975,360 168,297
18 19 20 21 22 23 24	Land in farms in 1900	9,474,588 4,302,101	(1) 109, 238	904,708 62,608	41,298 16,095 10,372	77', 751 34, 953 7, 882	118,485 59,919 38,858
23 24	Improved land in farms Improved land in farms in 1900. acres. Woodland in farms. acres. Other unimproved land in farms. acres.	2,273,968 891,698 8,338,314	(1) 4,630 249,917	202,047 8,119 219,190	17,332 51,703	2, 818 219, 573	1,275 107,103
25 26 27 28	Per cent of land area in farms Per cent of farm land improved Average acres per farm. Average improved acres per farm.		45.0 30.0 268.1	52.9 22.0 300.5	10.9 18.9 301.9	15.8 13.6 476.6	17.3 35.6 363.5
28	VALUE OF FARM PROPERTY		80.5	66.0	57.1	64.7	129. 4
29 30 31	All farm property dollars. All farm property in 1900 dollars. Per cent increase, 1900–1910	491, 471, 806 161, 045, 101 205. 2	15,767,956 (1)	11, 351, 431 17, 296, 895	1,965,568 1,285,611 52.9	2,027,854 738,762 174.5	7,731,707 2,625,946 194.4
32 33	Land dollars Land in 1900 dollars Buildings dollars	362, 822, 205 90, 341, 523 45, 696, 656	12,967,710 (1) 1,321,650	8,812,557 11,904,190 1,358,148	1,093,950 277,460 123,880 71,930	889, 420 127, 050 201, 444	5, 772, 255 1, 187, 100 665, 426
33 34 35 36 37 38 39	Buildings in 1900. dollars. Implements and machinery. dollars. Implements at in 1900 dollars.	16,002,518 12,791,601 4,746,755 70,161,344	(1) 322,648 (1)	1,858,050	71,930 61,670 23,210	40,860 74,530 20,860	131', 920 163, 201 61, 160
38 39	Buildings dollars. Buildings in 1900 dollars. Implements and machinery dollars. Implements, etc., in 1900 dollars. Domestic animals, poultry, and bees dollars. Domestic animals, etc., in 1900 dollars. Per cent of value of all property in—	70, 161, 344 49, 954, 311	1, 155, 948 (1)	408, 490 980, 722 3, 126, 165	686,068 913,011	862, 460 <i>549, 992</i>	1, 130, 885 1, 295, 766
40 41 42	Land. Buildings Implements and machinery. Domestio animals, poultry, and bees.	9.3	82.2 8.4 2.0	77.6 12.0 1.8	55.7 6.3 3.1	43. 9 9. 9 3. 7	74.7 8.6 2.1
43			7.8	8.6 11,974	34.9 6,970	42. 5 3, 755	14.6 16,699
45 46 47	All property per farm dollars. Land and buildings per farm dollars. Land per acre dollars dollars. Land per acre dollars dollars.	8,848 26.81 9.54	10,530 35.65 (¹)	10,729 30.93 13.16	4,319 12.85 6,72	2, 020 3. 46 1. 65	13,904 34.30 <i>9.60</i>
48 49	DOMESTIC ANIMALS (farms and ranges) Farms reporting domestic animals	43,033 68,840,485	1,234 1,115,045	834 943,349	271 682,105	514 857, 129	451 1,096,305
50 51	Cattle: Total number Dairy cows.	\$ 1.127.737	13,106 5,052	13,094 4,591	12,125 1,242	\$ 12,211 1,186	* 10,620 1,344
52 53 54	Other cows. Yearling helfers. Calves	405,884	3,114 1,467	3,396 1,349	3,185 915 448	5,725 1,169 1,257	4,322 1,252 1,073
55 56 57	Yearling steers and bulls Of the reteers and bulls. dollars. dollars.	255, 533	1,732 562 1,179 393,704	1,675 729 1,354 421,406	1,423 4,912 328,057	1,394	817 1,477 3 296,609
58 59	Horses: Total number Mature horses	8 294, 035 254, 581	6,313 5,624	4, 227 3, 730	1,957 1,690	4,097 3,456	5, 492 4, 284
60 61 62	Yearling colts. Spring colts. Value. dollars.	9,388	536 153 568,536	380 117 376, 924	229 38 136,060	520 121 280, 492	758 450 509, 674
63 64 65	Total number. Mature nudes. Yearling coits.	14,739 11,602	210 165 37	147 109 29	27 25 2	441 333 94	468 308 115
66 67	Value dollars. Asses and burros:	. 2,408 729 . 1,798,535	25,389	15,780	2,230	. 14	45 49,546
68 69	Number Value dollars. Swine: dollars.	,	19 255	1,450	26 831	5,047	. 10,789
70 71 72 73	Total number Mature hogs. Spring pigs. Value dollars.	. 110,922 . 68,372	4,428 2,731 1,697	1,680 1,074	771 537 234	476 114	4,277 2,481 1,798
	Shean*	. 1,568,158	39,989	24,909 21,285	5,095 48,193	4,910 48,419	34,787 48,074
74 75 76 77	Kams, ewes, and wetners. Spring lambs. Value	100,010	15, 639 110 87, 020	20,305 980	47,859 334 201,146		33,918 12,166 194,722
78 79	Number	31,611 80,644	35 152		4,362 8,686	11 29	44 178
80 81 82 83	POULTRY AND BEES Number of poultry of all kinds	1,721,445 1,012,251	60, 481 37, 967	34,499	3.611	10,545 5,331	29, 475 16, 597
82 83	Number of colonies of bees. dollars.	71,434 308,608	802	688	113		2,829 17,983

¹ Change of boundary. (See explanation at close of text.)

² Agricultural data for Indians on reservations in 1900 shown separately in last column of table.

BY COUNTIES: APRIL 15, 1910.

[Comparative data for June 1, 1900, in italics.]

=	Do-1-1	Oh- O	- Cl	a- a i		auro data io		·					
	Boulder.	Chaffee.	Cheyenne.	Clear Creek.	Conejos.	Costilla.	Custer.	Delta.	Denver.	Dolores.	Douglas.	Eagle.	El Paso.
1 2 3	30,330 21,644	7,622 7,085	3, 687 501	5,001 7,082	11,285 8,794	5, 498 4, 682	1,947 2,987	13,688 5,487	213, 381 (¹)	642 1,134	3,192 8,120	2,985 3,008	43,321 31,602
4 5	1,181 <i>967</i> 864	230 242 150	791 <i>57</i> 687	29 31	756 617 697	387 <i>331</i> 360	249 <i>351</i>	1,741 874	(¹) 235 (1) 124	31 <i>30</i> 26	418 457 303	248 208	1,285 729
8	313	74	104	12	57 2	27	148 101	1,561 180	111	5	115	187 61	1,050 226 9
8 9 10	20 144 90	3 21 17	4	1	12 21 25	5 4 16	3 1	16 125 234	111 83 14	5	2	3 3	18 12 25 36 33
11	129 195	19 24	1 2	4	93 110	64 57	1 9	234 554 359	13 8	1	11 14	12 28	
13 14 15	331 108 116	87 18 34	415 15 323 22	6 3 8	216 80 137	100 24 71	95 22 73	286 78 71	5	19	49 27 101	94 30 60	414 90 385
16 17	33 15	5 2	9 9	2 5	41 21	31 15	30 15	15 3		2	128 86	15 3	151 121
18 19 20	488,960 190,922 <i>191,373</i>	693,120 37,286 47,065	1,137,280 216,210 116,191	249,600 16,076 10,888	891, 520 188, 650 208, 245	1,133,440 159,366 684,205	478, 080 90, 709 98, 607	768, 640 142, 193 93, 689	37,120 2,763 (1)	667, 520 5, 578 3, 382	540, 800 342, 018 296, 302	1,036,800 62,899 52,859	1,357,440 728,445 686,790
20 21 22 23	113,231 91,708 21,546	16,733 14,728 4,764	75, 755 2, 740 313	1,294 1,196 13,327	131,916 98,960 7,920	114, 612 79, 678 25, 405	98,607 27,080 28,111 14,530	62,604 38,016 9,970	2,209 (1) 45	1,136 <i>942</i> 1,089	48, 393 <i>39, 165</i> 17, 584	52,858 25,401 19,709 2,564	728, 445 606, 790 148, 597 62, 408 40, 882 538, 966
24 25	56,145 39.0	15,789 5.4	140, 142 19. 0	1,455 6.4	48,814 21.2	19,289 14.1	49,090 19.0	69, 619 18. 5	7. 4	3,353 0.8	276, 041 63. 2	34,934 6.1	53.7
26 27 28	59.3 161.7 95.9	44. 9 162. 1 72. 8	85. 0 273. 3 95. 8	8.0 554.3 44.6	69.9 249.5 174.5	71.9 411.8 296.2	20.9 364.3 108.8	44.0 81.7 36.0	79. 9 11. 8 9. 4	20.4 179.9 36.6	14.1 818.2 115.8	40. 4 258, 6 102. 4	20. 4 566. 9 115. 6
29 30 31	16, 478, 541 6, 237, 456 164. 2	1,987,810 908,588 118.8	3,576,820 640,923 458,1	216,018 111,484 93.9	8, 430, 531 5, 338, 690 152, 5	3,714,504 2,458,619 51.4	2, 067, 447 1, 568, 476 32, 2	21,024,102 4,275,790 391.7	3,406,332 (¹)	248, 501 145, 629 70. 6	5, 622, 844 2, 947, 723 90. 8	3,691,648 1,636,071 125.6	13,117,316 4,452,866 194.6
82 33	12 787 040	1,109,890 458,800	2, 323, 580 141, 680	152,900 73,590		2,837,859 1,675,870	1,317,780 887,490 253,720	17,321,330 2,667,550	2,471,480 (1) 733,000	53,750 22,110 13,350	3,814,793 1,945,890 718,840	2,160,030 811,775	9,186,165 2,861,554 1,945,050
34 35 36 37	4, 538, 615 1, 957, 410 802, 875 377, 553 216, 840	469, 200 151, 790 84, 730	292, 521 30, 370 107, 728	38,800 15,780 6,745	6,020,767 1,804,710 476,220 284,870 227,377 94,510 1,706,167 1,154,600	2, 837, 859 1, 675, 870 266, 758 197, 810 91, 669 54, 970 518, 218 586, 969	203, 720 172, 590 91, 906 53, 210	1,506,060 892,480 461,698 151,980	(1) 56,598 (1)	5,820 6,915 8,440	366, 150 168, 518 77, 230	313,560 146,700 131,015	675,945 353,616 118,250
38 39	1,356,538 780,626	42, 480 323, 990 256, 018	7, 520 852, 991 461, 403	8,350 17,573 18,714	1,706,167 1,154,600	518,218 586,969	404, 041 500, 386	1,675,014 1,003,780	145,254 (¹)	174, 486 114, 759	920, 693 558, 958	52,400 1,087,043 625,196	1,632,485 1,297,117
40 41 42 43	77.6 11.9 2.3 8.2	55.8 23.6 4.3 16.3	65. 0 8. 2 3. 0 23. 8	70.8 18.0 3.1 8.1	71. 4 5. 6 2. 7 20. 2	76.4 7.2 2.5 14.0	63.7 12.3 4.4 19.5	82. 4 7. 4 2. 2 8. 0	72.6 21.5 1.7 4.3	21.6 5.4 2.8 70.2	67. 8 12. 8 3. 0 16. 4	58. 5 8. 5 3. 5 29. 4	70. 0 14. 8 2. 7 12. 4
44 45 46 47	13,953 12,485 60.98 22.67	8,643 6,866 29,77 <i>9</i> ,74	4,522 3,307 10.75 1.22	7, 449 6, 610 9, 51 6, 76	11,151 8,594 31.92 8.67	9, 598 8, 022 17. 81 2. 64	8,303 6,311 14.53 8.96	12,076 10,849 121.82 £8.47	14, 495 13, 636 894, 49 (¹)	8,016 2,165 9.64 6.54	13,452 10,840 11.15 6.57	14,886 9,974 34.34 16.51	10, 208 8, 662 12, 61 4, 17
48 49	1,108 1,277,700	218 316,890	698 842,749	29 17,165	745 1,688,014	377 513,266	240 398,671	1,598 1,616,818	186 138,143	20 174, 200	414 904,786	240 1,079,881	1,195 1,601,598
50 51 52	16,145 4,779 3,949	3 6,596 849 2,464	3 14,579 2,281 2,106	492 151 158	20,604 2,095 9,562	9,513 996 4,104	12,830 1,281 6,338	³ 23,796 2,791 8,539	2,242 1,561 58	5,327 105 2,869	18,339 6,030 4,222	25,790 797 11,865	27,460 8,378 6,977
53 54 55	1,970 2,162 816	755 416 517	1,055 1,496 863	61 82 34	2,851 1,882 2,510 1,704	4,104 1,205 492 907	1,400 1,096 1,011	2,498 1,710 2,200	108 341 63	558 53 550	2,188 2,830 1,634	2,132 568 1,533	3,514 3,612 2,286 2,693
56 57	1,621 8 489,874	1,079 8 157,904	6,638 402,726	9,746	455,846	1,809 197,243	1,198 239,092	4,558 \$ 675,306	94,546 470	1,186 148,073 384	1,486 545,367	8,895 748,075 2,732	749, 102 6, 462
58 59 60	6,290 5,424 672	1,515 1,284 178	3,175 2,908 210	134 128 6	5,279 4,419 707	2,140 1,915 196 29	1,898 1,678 182 38	*7,389 6,475 603 291	446 24	352 23 9	3,453 3,083 297 73	2,294 356 82	5, 767 572 123
61 62 63	200 655,753 326	53 137,408 11	307,378 206	6,824 3	153 468,465 153	166,832 117	151,505	\$ 826,685 205	41,389	25,338 8	314,325 78	261,311 7	595, 995 443
64 65 66	278 278 38 10	8 3	169 28 9	3	148 4 1	113 3 1	31 1	188 15 2	13	8	61 16 1	, 6 1	380 55 8
67 68	43,210 50	745 42	24,084 17	200 8	21,845 343	15,520 97	1,790 40	29,413	1,245	450 5 25	7,417 15 2,132	1,065 57 565	55, 198 305 4, 723
60 70	3,555 3,961	1,308 2,699 1,416	2,510 655	80 14	2,424 9,368	917 2,370 1,359 1,011	520 611 460	1,145 2,609 1,604	159 74	53 34	1,705 1,055	848 695	4,359 2,785 1,574
71 72 73	2,120 1,841 32,955	1,416 1,283 19,034	370 285 7,010	12 2 315	9,368 5,241 4,127 56,737	1,011 17,686	151 5,025	2,609 1,604 1,005 20,673	85 917	19 314	18,728	153 8,432	39,688
74 75 76	9,038 8,392 646	145 92 53	21,161 20,805 356		145,227 141,168 4,059	35,479 34,147 1,332	111 65 46	9,664 7,854 1,810 62,431	1 1		2,573 2,540 33	14,644 8,417 6,227	35,627 34,835 792
77 78	51,915 96	416 2	99,041		683,198 1,835	112,524	656	200	5		13,657 632	59,318 214 1,115	156,815 14 77
79	438	15			4,499	2,544	9 101	1,165	7,797	355	3,160	10,616	47,950
80 81 82 83	68,242 41,961 7,785 36,877	10,098 6,065 254	16,808 10,242	779 408	29,072 15,115 577 3,038	9,220 4,680 73 272	9,101 4,385 280 985	51,096 31,685 6,222 26,511	6,407 171 704	355 226 12 60	14,000 454 1,817	6,688 177 474	27,943 676 2,944
ರವ	00,877	1,035			0,000				1	<u> </u>	<u> </u>	1	1

⁸ Includes animals, age or sex not specified.

TABLE 1 .- FARMS AND FARM PROPERTY,

[Comparative data for June 1, 1990, in italies.]

		Elbert.	Fremont.	Garfield.	Gilpin.	Grand.	Gunnison,	Hinsdale.	Huerfano.
1 2	Population Population in 1900	5,331 3,101	18, 181 15, 638	10, 144 6, 886	4, 131 6, 890	1,862 741	5,897 õ,881	646 1,609	13, 32 8, 3 9
3 4	Number of all farms in 1900.	1, 150 <i>679</i>	896 <i>606</i>	965 <i>507</i>	43 49	249 179	277 £39	24 36	46 48
5 6 7	Number of all farms. Number of all farms in 1900. Color and nativity of farmers: Native white. Foreign-born white. Negro and other nonwhite Number of farms, classified by size: Under 3 acres. 3 to 9 acres. 10 to 19 acres. 20 to 49 acres. 50 to 99 acres.	878 272	. 712 182 2	786 176 3	20 23	187 61 1	220 56 1	17	39 6
8	Number of farms, classified by size: Under 3 ecres. 3 to 9 aores.	i	54 302 127	17 37 42			1		
0 1 2	20 to 49 acres	7 18	90 86	129 155	4	1 2	8 11	i	3.4
8 4 5 6	100 to 174 acres. 175 to 259 acres. 280 to 499 acres. 500 to 999 acres. 1,000 acres and over.	472 67 341	167 25 57	343 92 112	14 3 11	118 12 67	99 41 72	15 1 6	16 4 9
6	500 to 999 acres. 1,000 acres and over LAND AND FARM AREA	132 111	25 13	31 7	3	34 15	38 6	ĭ	50 22
8	Approximate land areaacres	1, 188, 480 682, 281 508, 865	996, 480 146, 866	1,088,480 156,720	84,480 13,323	1, 194, 240 113, 287	2,034,560 83,282	621, 440 5, 436	960,00 161,83
8 19 20 21 22	Land in farms in 1900	118, 474 40, 460 21, 532	109, 488 24, 868 20, 518	81,357 61,818 29,002	12,035 3,370 2,110	86,538 30,097 18,504	52,795 38,074 28,163	5,288 2,349 1,767	138, 42 28, 63 25, 46
34		542,275 57.4	12,801 100,137 14,7	7,932 86,970 7,9	7,516 2,437 15.8	10, 283 72, 907	1,885 43,323 4.1	2,523 0.9	17, 57 115, 62
8	Per cent of land area in farms. Per cent of farm land improved. Average acres per farm. A verage improved acres per farm.	17. 4 593. 3 103. 0	16.0 163.9 27.8	39. 4 162. 4 64. 1	25.3 309.8 78.4	9.5 26.6 455.0 120.9	45. 7 300. 7 137. 5	43. 2 226. 5 97. 9	16. 9 17. 7 350. 3 62. 0
9	VALUE OF FARM PROPERTY	9, 624, 465	7,130,241	11,017,329	195,481	2,625,740	3, 352, 823	126,608	3,640,60
1	All farm property dollars. All farm property in 1900 dollars. Per cent increase, 1900-1910.	5,206,835 191.9	4,531,109 64.6	2,981,625 269.5	109,959 77.8	900, 585 173. 3	1,429,287 134.6	162,960 17.2	1,589,64 138.0
3 4	Land dollars. Land in 1900 dollars. Buildings dollars.	6,949,145 1,678,010 804,907	5,050,490 3,039,270 1,081,930	8,109,981 1,503,770 1,005,089	107, 460 50, 770 48, 470	1,681,630 502,100 223,710	1,890,840 677,000 398,690	58,935 41,580 11,165	2,288,85 695,47 313,35
3 14 15 15 17 18 19	Hutaing in 1000 dollars. Implements and machinery dollars. Implements, etc., in 1000 dollars.	366,500 311,856 107,450	520,000 150,926 97,420	270,810 340,302 120,080	30,680 11,835 5,510	63,980 90,788 33,940	154,475 149,179 61,340	11,490 5,765 3,570	132, 16 93, 71 45, 30
88	Land	1,558,557 1,144,875	848, 895 678, 510	1,561,957 1,086,965	27, 716 ££, 999	629, 612 360, 615	914, 114 636, 472	50,743 96,320	944, 67 <i>65</i> 7, 02
12	Land Buildings Implements and machinery Domostic animals, poultry, and bees.	72. 2 8. 4 3. 2	70.8 15.2 2.1	73. 6 9. 1 3. 1	55.0 24.8 6.1	64.0 8.5 3.5	56.4 11.9 4.4	46.6 8.8 4.6	62.9 8.6 2.6
4 5	Average values: All property per farm dollars. Land and buildings per farm dollars.	8,369 6,743	11.9 7,058	14. 2 11, 417	14. 2 4, 546	24.0 10,545 7,652	27.3 12,104	40. 1 5, 275	25.9 7,88
67	All property per farm dollars. Land and buildings per farm dollars. Land per acre. dollars. Land per acre in 1900 dollars.	10, 19 3, 34	6,844 34.39 £7.76	9, 446 51. 75 18. 48	3, 626 8. 07 4. ££	7,662 14.84 7.55	8, 265 22, 70 10, 93	2,921 10.84 7.86	5,63 14.1 5.0
8	DOMESTIC ANIMALS (farms and ranges) Farms reporting domestic animals	1,107 1,535,874	809 827,109	897 1,526,221	42 26,833	230 626,513	260 908, 625	24 50,552	45 934,16
0	Total number	22,769 6,814	4 21,663 2,027	4 29, 349 2, 951	554 167	13,629	25,418 1,354	1,352 75	4 20,65 1,37
3	Yearling heifers	5,647 2,615	9,580 2,019	10,230 2,787 1,599	168 76 75	6,160 1,585	12,949 3,492 1,690	540 186 110	9,68 2,29
5 6 7	Calves. ** Yearling steers and bulls. Other steers and bulls. Value. dollars.	3,547 2,632 1,514 603,510	1,050 1,768 4,022 4501,650	3,504 8,203 4 812,770	43 25 13,624	1,245 1,506 2,199 393,423	3,233 2,700 664,836	132 309 37,231	1,56 1,58 3,85 4 476,99
18 19 10 11	Total number	6,457 5,680	3,317 2,950 282	7,106 6,197	143 141	2,829 2,439	2,860 2,507	253 180	2,93 2,49
12	Yearling colts. Spring colts. Value., dollars.	624 153 631,160	282 85 809,857	669 240 642,811	12,855	342 48 220,714	297 56 231,989	44 20 12,915	34 9 192, 91
3 4 5	Total number. Mature mules. Yearling colts.	319 275	64 48 16	116 94	2 2	10	80 50	3 8	4 8
7	Valuedollars	36 8 41,661	5,720	13 9 11,220	150	575	29 1 6,525	150	1 4,21
8	Number	18 1,176	33 2,823	23 1,940	5 70	36 873	47 388	8 40	7 72
0 2 2	Total number. Mature hogs. Spring pigs	2,496 1,562 934	822 516	4,102 2,636	10 10	186 143	892 337	13 10 3	87 58 29
3 4	Shen:	30,119 47,587	6,849 71	1,466 82,817	99	2,801	4,603	119 88	7,21 74,05
5 6 7	Total number. Rams, ewes, and wethers. Spring lambs. Value. dollars.	45,801 1,786 228,045	62 9 210	4,311 3,487 824 24,463	3	1,565 1,446 119	72 52 20 250	18 20 97	56,57 17,48 247,90
8	Number	39 203	410	24,463 27 200	5 32	8,107 7 20	12 34		1,91 4,20
0	POULTRY AND BEES Number of poultry of all kinds	41,198	26,031	37,217	1,281	5, 483	8,393	351	12,38
2	Value	21,575 302 1,108	16,139 1,072 3,647	25,395 3,277	1,281 883	3,099	5,483 2 6	191	6,75 1,45 8,76

¹ Change of boundary. (See explanation at close of text.)

³ Agricultural data for Indians on reservations in 1900 shown separately in last column of table.

BY COUNTIES: APRIL 15, 1910—Continued.

[Comparative data for June I, 1900, in italics.]

	Jackson.	Jefferson,1	Kiowa.	Kit Carson.	La Plata.	Lake.	Larimer.1	Las Animas.	Lincoln.	Logan.	Mesa.	Mineral.	Monte- zuma. ²
1 2	1,013	14, 231 9, 306	2,899 701	7,483 1,580	10, 812 7, 016	10,600 18,054	25, 270 12, 168	33, 643 \$1, 84\$	5,917 920	9, 549 3, 292	22, 197 9, 2 67	1,239 1,9!3	5, 029 3 , 058
.3 4	178 (¹)	1,417 1,050	646 138	1,767 305	735 2 97	57 71	1,830 1,412	954 1,037	1,334 <i>188</i>	1,359 413	2,348 747	33 48	1,004 261
5 6 7	138 40	963 451 3	579 67	1,567 200	565 145 25	30 27	1,384 443 3	743 208 3	1,218 116	1,074 267 18	2,077 263 8	26 7	564 65 375
8	1	20 323		i	10 5	10	11 121	12 42	2	1 4	40 302	1 1	10 7
10 11 12	3	301 181 97	2 5	2 4 11	3 54 112	1 3 4	111 204 294	48 109 86	6	3 20 71	541 688 272	4	8 62 125
13 14 15	23 5 42	186 64 132	305 16 265	645 133 843	354 61 104	12 3 14	559 159 204	362 54 114	870 56 316	792 99 245	325 70 81	14 1 3	678 45 57
16 17	47 57	73 40	30 23	88 40	23 9	6 4	73 94	60 67	45 39	82 42	20 9	5 5	10 2
18 19 20	1,044,480 200,278	536, 320 224, 686 225, 230	1,150,720 219,660 71,957	1, 381, 760 566, 587 88, 344 140, 399	1, 184, 640 151, 709	237, 440 20, 948	1,682,560 505,524	3,077,760 445,298 419,503	1,644,800 428,115	1,168,080 409,487 182,513	2,024,320 174,684 63,018	554, 240 18, 646 11, 784	1,312,640 159,204
20 21 22 23 24	74,737 (¹) 943	69, 269 61, 224 72, 618	21,667 4,138 10,453	19,581 5.564	60,069 41,390 14,491 57,543	19,724 7,998 7,636 5,058	543, 463 177, 525 180, 553 67, 323	48,085 58,441 176,132	168, 144 105, 053 8, 195 1, 747	115,019 57,639 897	73,508 54,205 11,019	7,036 2,929 3,997	48,078 31,112 15,204 22,346
	124,598 19.2	82,799 41.9	187,540 19.1	420, 624 41. 0	52,776 12.8	7, 892 8.8	260, 676 30. 0	221,081 14.5	321, 315 26. 0	293,571 35.1	90,057 8.6	7,613 3.4	22, 346 105, 746 12. 1
25 26 27 28	37.3 1,125.2 419.9	30. 8 158. 6 48. 9	9. 9 340. 0 33. 5	24.8 820.6 79.5	27. 3 206. 4 56. 3	38. 2 367. 5 140. 3	35. 1 276. 2 97. 0	10.8 466.8 50.4	24. 5 320. 9 78. 8	28.1 301.3 84.6	42, 1 74, 4 31, 3	37.7 565.0 213.2	19.5 158.6 31.0
29 30 31	4, 416, 646 (¹)	17,616,573 8,018,098 119.8	3, 031, 538 949, 775 219. 2	7,951,330 966,911 723.0	5, 812, 793 1, 375, 387 323. 3	466, 646 703, 636 8 33. 7	25, 930, 176 9, 920, 153	6, 495, 792 8, 884, 234 69, 4	6,785,622 1,190,55 3 465.8	10,866,393 3,444,849 215.4	30, 200, 338 5, 994, 192 656. 3	537,691 128,858 334.1	6,996,047 963,\$87 626.3
32 33	2,768,425 (1) 201,880	13,646,204 6,003,617 2,420,805	1,883,318 114,070	5,424,910 154,860	3,892,840 628,020 681,980	324, 490 420, 320 57, 880	19,071,431 5,837,718 3,441,810	4,149,352 1,565,820 500,132	4,348,801 269,885 500,526	7, 887, 217 1, 481, 440 815, 046	25, 290, 949 2, 143, 985 2, 471, 151	301,625 49,524 82,975	5,206, 240 455,640 515,010
34 35 36 37	77,040	1,045,648	114,070 252,297 62,810 67,151	154, 860 715, 786 97, 710 262, 895 37, 760	201, 622 81, 405	76,670 16,362 19,950	1, 189, 016 675, 619 \$23, 720	808, 200 161, 068	83,025 170,724	218,820 340,879 66,820	408, 360 567, 395 120, 980	19,675	155, 540 164, 084
38 39	1,389,301 (1)	194, 110 1, 142, 441 769, 728	14,080 828,772 758,815	1,547,739 676,581	1,036,351 45 2, 267	67,914 186,696	2,741,316 2,669,700	115, 490 1, 685, 240 1, 850, 724	17,880 1,715,571 819,783	1,823,251 1,757,768	1,879,843 1,520,817	5,880 79,431 49,429	38,390 1,110,713 368,917
40 41 42 43	62.7 4.6 1.7 31.0	77.5 13.7 2.3 6.5	62.1 8.3 2.2 27.3	68. 2 9. 0 3. 3 19. 5	67.0 11.7 3.5 17.8	69.5 12.4 3.5 14.6	73.5 13.3 2.6 10.6	63. 9 7. 7 2. 5 25. 9	64.6 7.4 2.5 25.5	72.6 7.5 3.1 16.8	83.7 8.2 1.9 6.2	67.3 15.4 2.5 14.8	74. 4 7. 4 2. 3 15. 9
44 45 46 47	24,813 16,687 13.82 (1)	12, 432 11, 339 60, 73 \$6, 66	4,693 3,306 8.57 1.59	4,500 3,475 9.57 1.75	7,909 6,224 25.66 10.45	8,187 6,708 15,49 21,31	14,169 12,302 37.73 10.74	6,809 4,874 9.32 3.75	5,049 3,635 10.16 1.65	7,996 6,403 19,26 7,79	12,866 11,824 144.80 34.08	16, 294 13, 473 19, 39 4, 20	6,968 5,698 32.70 <i>9.46</i>
48 49	165 1,367,452	1,292 1,073,486	545 820, 023	1,582 1,521,230	714 1,020,143	55 67,029	1,713 2,665,995	922 1,668,934	1,223 1,701,261	1,229 1,793,753	2, 114 1,817, 220	30 79,092	970 1,097,101
50 51 52	31,783 599	15, 527 4, 882	4 15, 098 1, 651	21,566 4,865	4 16, 361 2, 336 6, 849	1, 403 543	4 31, 265 5, 127	30,805 2,134	22,907 3,003	4 28, 171 2,894	4 32, 154 3, 559	1,599 355	4 16,876 1,414
53 54	13, 930 3, 123 864	4,874 1,544 2,020	4, 886 1, 296 1, 074	4,983 2,285 2,299	2, 156 1, 499	306 193 144	10,600 3,559 3,376	16, 289 3, 794 2, 082	5,733 1,849 1,720	7,260 2,123 1,733	12,275 3,881 1,763	818 174 108 131	6,759 1,805 1,035
55 56 57	3,302 9,965 1,037,010	748 1,459 492,294	1,557 3,432 426,652	2,309 4,825 562,578	1,516 1,695 4 399,730	105 112 46,742	3, 126 4, 217 4 889, 896	2, 582 3, 924 663, 366	1,594 9,008 646,862	1,555 8,410 4759,686	3, 217 7, 309 4 828, 940	43,837	1,778 3,175 463,761
58 59 60	3,650 3,140 449	5,740 5,218 395	3, 053 2, 705 280	8, 626 7, 683 745	4,697 4,047 499	292 263 28	11,486 10,051 911	6, 763 5, 902 694	4,984 4,420 467	4 9, 269 7, 982 863	4 8,708 7,865 574	476 416 56	4,086 3,497 397
61 62	301, 818	531,620	260, 375	828, 516	390, 643	19,810	1,288,508	325, 596	498,977	4 909, 989	4 876, 289	33, 235	363, 382
63 64 65	80 54 26	111 97 11	188 159 24	647 475 125	156 131 20	2 1	763 631 105 27	171 144 25 2	280 252 20 2	552 465 76 11	396 309 71 16	14 12 2	81 71 8
66 67 68	8,380	12, 295 32	21,718 12	68, 585 34	15,996 55	1 55 2	106,727	14,450 412	36, 610 10	69,207	47,035	1, 200 52	9,935 32
69	1,550 127	429 3,750	2, 620 491	6, 592	2,510	60	6, 118	3,281 1,548	1,754	6, 495 4, 773 2, 949	3,005 3,120	675 3	1,795 1,898
70 71 72 73	101 26 1,426	2,068 1,682 36,428	355 136 4,602	2,796 1,866 930 30,336	4,598 2,913 1,685 32,172	22 22 307	6, 169 3, 195 2, 974 54, 776	1,131 417 10,037	2, 955 1, 739 1, 216 26, 988	2,949 1,824 42,537	2,090 1,030 25,830	10	1, 319 579 16, 234
74 75 76	2, 199 2, 006 193	28 19 9	23, 436 22, 308 1, 128	4,772 4,553 219	28,737 27,380 1,357 173,139	11 9 2	48, 143 44, 682 8, 461	144,618 140,153 4,465	96, 974 94, 012 2, 962	1,298 877 421	6,399 6,082 317	9 7 2	57, 497 39, 078 18, 419
77 78	17,003	153 44	103,886	24,568	173, 139 2, 850 5, 953	55	319, 462 94	11.953	489,802	5,829	33, 295 563	110 1 25	18, 419 239, 643 902
79 80	265	267	170	55	-	1 001	91,048	25,398	268	49,077	2,826 60,673	426	2,351
81	2, 787 1, 849	73,026 50,679 4,248 18,276	14,086 8,749	48, 239 26, 509	24, 884 13, 783 732 2, 425	1, 081 885	49, 897 5, 529 25, 424	14,281 640	14, 310	26, 880 684 2, 618	60,673 36,244 6,542 28,379	339	19,226 10,829 764 2,783

³ Decrease.

Includes animals, age or sex not specified.

TABLE 1 .- FARMS AND FARM PROPERTY,

[Comparative data for June 1, 1900, in italics.]

		Montrose.	Morgan.	Otero.	Ouray.	Park.1	Phillips.	Pitkin.	Prowers.	Pueblo.
1 2	Population. Population in 1900	10, 291 4, 585	9,577 3,268	20, 201 11, 522	3,514 4,781	2, 492 2, 998	3,179 1,588	4,566 7,020	9,520 3,766	52,223 34,448
3 4	Number of all farms	1,138 <i>524</i>	1,075 378	1,498 <i>814</i>	189 <i>128</i>	194 <i>220</i>	508 244	191 170	991 <i>478</i>	1,103 663
5 6 7	Native white	990 145 3	840 281 4	1,278 204 16	139 50	151 43	414 94	118 73	889 98 4	817 275 11
8 9 10 11 12	Color and nativity of farmers: Native white Foreign-born white. Negro and other nonwhite. Number of farms, classified by size: Under 3 acres. 3 to 9 acres. 10 to 19 acres. 20 to 49 acres. 50 to 99 acres.	16 40 66 221 271	28 23 42 140	16 85 102 326 311	2 3 1 14 25	4 2	1 2 5	4 2 9 21	3 10 5 74 120	17 58 127 155 131
13 14 15 16 17	100 to 174 acres. 175 to 259 acres. 260 to 499 acres. 500 to 999 acres. 1,000 acres and over.	336 68 94 15	450 83 255 36 18	438 77 105 20	75 17 33 13	64 11 37 37	142 47 202 79	75 21 47 9	435 74 214 34	287 66 161 60
	LAND AND FARM AREA Approximate land area			18		39	30	3	22	41
18 19 20 21 22 23 24	Approximate Actes Actes Land in farms Acres Acres Land in farms in 1900 Acres Acres Improved land in farms Acres Improved land in farms in 1900 Acres Woodland in farms Acres Other unimproved land in farms Acres Acres	1,448,960 151,375 85,849 65,136 36,884 5,625 80,614	823,040 233,269 125,074 98,721 43,282 2,924 131,624	1,322,880 254,185 244,594 143,114 68,036 2,788 108,283	332,160 48,833 26,673 14,612 11,184 3,515 30,706	1,415,680 181,199 \$18,801 46,205 40,258 53,857 81,137	440,320 210,346 69,626 77,901 20,028 551 137,894	652,160 45,286 35,363 15,158 12,683 2,223 27,905	1,043,200 250,317 217,532 102,240 58,172 3,482 144,595	1,557,120 630,114 478,821 63,426 40,821 26,545 540,143
25 26 27 28	Per cent of land area in farms Per cent of farm land improved. Average acres per farm Average improved acres por farm VALUE OF FARM PROPERTY	10.4 43.0 133.0 57.2	28.3 42,3 217.0 91.8	19. 2 56. 3 169. 7 95. 5	14.7 29.9 258.4 77.3	12.8 25.5 934.0 238.2	49. 1 30. 0 425. 9 153. 3	6.9 33.5 237.1 79.4	24, 0 40, 8 252, 6 103, 2	40. 5 10. 1 571. 3 57. 5
29 30 31	All farm property	13,858,209 2,897,504 378.3	11,548,557 2,827,742 308.4	19,738,280 6,488,006 204.2	1,786,767 745,716 139.6	2, 925, 215 2, 263, 656 29, 8	6,394,186 872,487 632.9	1,903,709 966,961 96.9	13,938,513 4,806,248 190.0	9,940,218 5,856,722 85.6
32 33 34 35 36 37 38 39	Land dollars Land in 1000 dollars Buildings in 1000 dollars Buildings in 1000 dollars Buildings in 1000 dollars Implements and machinery dollars Implements act, in 1000 dollars Domestic animals, poultry, and bees dollars Domestic animals, etc., in 1000 dollars Per cent of value of all property in— Land Buildings	10,512,990 1,585,530 1,130,245 255,850 349,700 96,220 1,856,274 1,012,104	0,032,675 1,570,000 962,120 252,140 260,924 68,740 1,292,838 1,156,862	15, 267, 795 3, 568, 360 1, 425, 598 433, 270 398, 781 157, 450 2, 646, 106 8, 335, 016	1,093,580 \$70,445 240,875 86,270 69,090 \$2,200 383,222 256,801	1,753,299 1,260,208 389,810 265,030 92,936 66,670 689,170 661,653	4,705,835 218,490 610,235 110,100 203,272 39,840 874,844 504,057	1,350,010 586,000 169,475 93,250 89,705 45,420 294,519 242,291	10, 951, 050 2, 569, 998 876, 204 349, 260 448, 367 106, 974 1, 662, 892 1, 780, 010	7, 439, 355 3, 511, 040 752, 495 408, 680 223, 820 115, 480 1, 524, 548 1, 521, 522
40 41 42 43	Per cent of value of all property in— Land Buildings Implements and machinery Domestic animals, poultry, and bees Average values:	75. 9 8. 2 2. 5 13. 4	78.2 8.3 2.3 11.2	77.8 7.2 2.0 13.4	61. 2 13. 5 3. 9 21. 4	59. 9 13. 3 3. 2 23. 6	73.6 9.5 3.2 13.7	70. 9 8. 9 4. 7 15. 5	78.6 6.3 3.2 11.9	74.8 7.6 2.3 15.3
44 45 46 47	All property per farm	12,178 10,239 69.45 18.42	10,743 9,297 38.72 10.95	13,176 11,144 60.07 14.66	9,454 7,061 22,39 14,48	15,078 11,047 9.68 6.92	12,587 10,465 21.75 8.14	9,967 7,955 29.81 16.57	14,065 11,935 43.75 11.83	9,012 7,427 11.81 7.35
48 49	DOMESTIC ANIMALS (farms and ranges) Farms reporting domestic animals	1,072 1,800,296	972 1,265,074	1,437 2,568,330	186 377,098	188 686,774	501 856,116	184 289, 303	885 1,628,018	1,062 1,489,220
50 51 52 53 54 55 56	Total number. Dairy cows. Other cows. Yearling helfers. Calves. Yearling steers and bulls Other steers and bulls. Value. dollars.	23, 147 3, 004 11, 947 2, 172 1, 558 2, 185 2, 331	9,959 2,218 2,974 1,088 867 901 1,911	2 39, 570 3, 083 7, 996 3, 040 2, 497 945 21, 509	8,080 952 3,292 950 264 717 1,905	2 17,053 1,169 9,646 1,731 803 1,616 1,241	11,562 2,069 3,165 1,234 1,537 1,340 2,217 277,794	6,548 878 2,679 889 434 746 922	19,330 2,641 8,752 2,108 1,779 1,480 2,570	2 35, 863 3, 815 14, 679 3, 219 2, 831 3, 294 8, 962
57 58 59 60 61 62	Value. dollars. Horses: Total number. Mature horses. Yearling colts. Spring colts. Value. dollars.	608, 782 6, 709 5, 917 540 252	6,058 5,223 623 212	10,143 8,465 1,060 618	221,131 1,745 1,550 165 80	2 417,061 2 2,288 1,965 237 42	4,827 4,018 645 164	163,653 1,530 1,313 169 48	503, 970 9, 049 7, 228 1, 218	2 894, 392 2 6, 450 5, 715 486 219
63 64 65 66 67	Mules: Total number. Mature mules. Yearling colts. Spring colts. Value. dollars.	733, 797 213 174 34 5 24, 390	664,562 345 310 21 14 55,596	1,026,706 627 409 135 83 65,675	150, 265 15 12 2 1 2,000	2 164, 088 51 44 7	503, 325 269 174 87 8 31, 880	115,416 12 9 2 1 890	773,960 1,028 781 189 108 117,511	2 502, 991 224 146 61 17 20, 426
68 69	Asses and burros: Number. Valuedollars	171 3,274	8 800	136 9,636	2 30	74 630	2,575	7 57	30 5,205	24 1,848
70 71 72 73	Swine: Total number. Mature hogs. Spring pigs. Value. dollars.	4,066 2,414 1,652	6,713 4,098 2,615	8,215 4,909 3,306	260 186 74	85 72 13	3,649 2,312 1,337	1,188 785 403	6,074 3,500 2,574	5,990 4,060 1,930
74 75 76 77	Sheep: Total number. Rams, ewes, and wethers Spring lambs, Value. dollars	31,399 65,654 63,944 1,710 398,255	62, 299 29, 628 27, 666 1, 962 108, 574	82,055 67,745 55,394 12,351 282,995	2,633 93 55 38 422	16,890 16,782 158 93,681	40,353 66 64 2 181	7,716 301 183 118 1,516	44,348 49,979 38,282 11,697 183,017	46, 548 6, 419 6, 211 208 22, 653
78 79	Goats: Numberdollarsdollars	81 399	10 40	124 433	157 617	843 4,368	2 8	2 55	4 7	119 802
80 81 82 83	POULTRY AND BEES Number of poultry of all kinds. Value. dollars. Number of colonies of bees. Value dollars.	37, 405 23, 786 6, 441 32, 192	40,972 24,417 797 8,347	66, 267 42, 368 7, 584 35, 408	7,581 4,436 426 1,688	3,889 2,396	33,060 18,728	7,380 4,649 201 567	41,547 23,222 2,461 11,652	46, 228 29, 891 1, 518 5, 437

¹ Change of boundary. (See explanation at close of text.)

BY COUNTIES: APRIL 15, 1910-Continued.

[Comparative data for June 1, 1900, in italics.]

-	1	1				pox to trace	i ior June 1, .			Woshing	1	<u>e</u>	Indian res-
	Rio Blanco.	Rio Grande.	Routt.	Saguache.	San Juan.	San Miguel.	Sedgwick.	Summit.	Teller.	Washing- ton.1	Weld.	Yuma.¹	ervations.
1 2	2,332 1,690	6,563 4,080	7,561 3,6 61	4, 160 3, 853	3, 003 2, <i>342</i>	4,700 5,879	3, 061 <i>971</i>	2,003 2,744	14,351 29,003	6,002 1,241	39,177 16,808	8,499 1,729	
3 4	341 <i>264</i>	. 519 <i>861</i>	1, 113 703	363 406	θ	140 229	448 <i>158</i>	96 77	208 148	1,346 201	3,981 2,002	1,829 201	14
5 6 7	290 51	466 51 2	953 159 1	316 47		118 21 1	360 75 13	68 28	173 35	1,168 170 8	3,000 954 27	1,606 223	
8 9	8	. 4 11	11 4	15 1			1		15 5		6 72		
10 11 12	5 20	9 26 35	5 16 31	7 11		4 4	2 6 43	1 4 5	10 12	$\begin{bmatrix} 1 \\ 6 \\ 24 \end{bmatrix}$	64 181 715	3 4 18	
	l .	177 65	576 80	124 26		72 9	214 29	36 11	86 14	408 73 651 107	1,846 344	580 125	
13 14 15 16 17	143 35 81 36 13	133 49 10	289 67 34	101 34 44		35 8 3	±06 27 20	33 5 1	42 12 10	107 76	626 81 46	869 151 79	
18		574,720	4, 458, 880	2,005,120 282,741	289,920	824,320	839,840	415, 360 24, 844	350,080	1,613,440	2,574,080	1,514,880 658,318	
18 19 20 21 22 23 24	2,062,720 104,386 68,124 36,750 21,846 3,064	574,720 149,704 178,448 115,890 78,141 11,544	4, 458, 880 330, 233 190, 503 92, 328 53, 977	\$29,537 217,102	65	824,320 35,600 45,566 19,130	339, 840 159, 289 51, 014 58, 205 9, 209	13,676 6,503	80, 313 81, 538 10, 943	1,613,440 551,198 107,440 117,986 17,961	914, 220 556, 044 410, 346 251, 307 4, 663	98, 581 318, 152 50, 145	2, 240 237
·22 23 24	21,846 3,064 64,572	78, 141 11, 544 22, 270	55,977 9,123 228,782	119,587 27,558 38,081	18	10,088 3,602 12,868	520 100,564	4,031 1,115 17,226	4,685 21,174 48,196	863 432,349	4, 663 499, 211	1,988 338,178	
25 26 27 28	5.1 35.2	26. 0 77. 4	7. 4 28. 0	14.1 76.8		4.3 53.7	46.9 36.5	6.0 26.2 258.8	22.9 13.6 386.1 52.6	34.2 21.4 409.5	35. 5 44. 9 229. 6	43. 5 48. 3 359. 9	
27 28	306.1 107.8	288. 4 223. 3	296. 7 83. 0	76.8 778.9 598.1		254.3 136.6	355.6 129.9	67.7	52.6	87.7	103. 1	173.9	
29 30 31	4,350,437 2,428,859 79.2	10,771,802 2,481,060 334.2	13, 454, 136 4, 684, 756 190, 3	9,299,491 5,578,576 159.9	18,726	1,507,239 1,115,206 35.2	5, 439, 388 727, 375 647. 8	602, 166 800, 028 100, 7	1,268,472 481,468 163.5	8,266,561 1,151,005	56, 363, 139 14, 645, 920 284, 9	10,908,457 1,830,188	7,810
	2,227,690 885,980	8,624,448 1,786,790 742,600	7,620,620	7,273,045 2,189,023 427,415	1,025	735, 550 442, 300 168, 700		357, 145 153, 750	733,540 218,290	5,051,530 272,540 631,759 82,090 251,238 27,950	45,007,628 9,484,426 4,937,113 1,610,814 1,510,168 601,920	6,818,421 327,050 1,181,548	4,060
34 35 36	320,665 148,250 163,945	742, 600 £1£, 165 228, 797	794, 905 292, 340 400, 332	427, 415 958, 610 174, 035 98, 590		106,715 54,845	4, 179, 605 \$02, 640 413, 993 \$66, 835 144, 757 \$12, 840 701, 033	\$1,410 28,459	186, 990 79, 786 39, 140 16, 483 308, 802	82,090 251,238	1,610,814 1,510,168	152,650 391,180 52,388	1,110 1,480
32 33 34 35 36 37 38 39	59, 150 1, 638, 137 1, \$36, 979	80, 480 1, 175, 957 442, 625	118,600 4,638,279 2,547,286	98,590 1,424,996 1,102,358	165 16,046	53,660 548,144 512,531	12,840 701,033 855,660	357, 145 153, 750 65, 280 31, 410 28, 459 6, 730 151, 282 108, 188	308,802 168,010	1,732,034 768,425	4, 908, 230 2, 949, 880	2,517,308 8\$8,045	1,169
40 41 42 43	51.2 7.4	80.1 6.9	56.6 5.9	78. 2 4. 6		48.8 11.2	76.8 7.6	59.3 10.8 4.7 25.1	57.8 14.7 3.1	68. 4 7. 6 3. 0	79. 9 8. 8 2. 7	62. 5 10. 8 3. 0	
	3.8 37.7	2, 1 10, 9	3. 0 34. 5	1.9 15.3		36.4	2. 7 12. 9		24.3	21.0	8.7	23. 1 5, 964	
44 45 46	12,758 7,473 21.34	20,755 18,048 57.61	12,088 7,561 23.08	25,618 21,213 25.72 6.49	18.64	10,766 6,459 20.68 9,71	12, 141 10, 254 26, 24 5, 93	6,273 4,400 14.38 11.24	6, 098 4, 426 9. 13 6, 92	6, 142 4, 668 10. 25 2. 54	14, 158 12, 546 49, 23 17, 06	4,374 10.36 3.50	1.81
47 48	321	10.01 510	1,028			133	429	96	103	1,260	3,738 4,782,276	1,728 2,480,376	
48 49 50	1, 631, 497	1,160,400	4,619,602	348 1,417,572 29,530	1	13, 189	8,826 1,210	150,264 3,140 * 473	305,788 8,402 957	1,703,426 26,232	41,537 10,561 13,572		
50 51 52 53	40, 368 920 14, 144 3, 554	5, 141	94, 434 3, 472 29, 471 6, 340	29,530 2,513 13,700 3,089		. 5,951	2,647	1,121 362 317	2,753 724	26, 232 3, 262 7, 687 2, 876 . 2, 464	13,572 4,374 4,141	11,093 3,810 3,306	
54 55 56 57	2,138 6,724 12,888	1,117 951 1,990	2,420 6,204 46,527	2,142 3,018 4,868		. 4,020	936 1,820	370 497	526 584 2,858 195,512	2,755 7,188 706,412	2,419 4,211 *1,255,510	3,703 6,490 814,313	
	1, 215, 045 5, 631	4,092	3, 190, 432 14, 062	² 771,111 3,577 3,021	1	372,369	3,895	85, 054 787 709	1,132 995	8,901 7,601	25.847	14,370 12,546 1,305	
58 59 60 61	4,845 655 131	404 105	11,733 2,100 229	458 98		1,556 194 53	383 164	70 8	115 22 100,933	1,004 296 814,260	22, 503 2, 368 861 2, 922, 643	1,305 519 1,371,284	
62 63 64	404,809	215	1,117,845	271, 324		. 160,250 48 35	188		49 47	436 347	2,092 1,829	1,457 955	
65 66 67	31	14 2	353 268 72 13] 3		. 13	43 16		7,225	64 25 53,935	210 53 329,306	372 130 151,197	1
68 69	3,578	81	23	65		82 2,480	4	39	9 100	25 5,470	34 4,428	4t 12,165	
		11,666	3, 233	1.		502 248	4,478 2,734	ļ	214 129	4, 427 2, 604	16,340 10,114 6,226 144,950	13, 689 9, 600 4, 083	
70 71 72 73	1	4,301	1,200	1,789	- 1	3,654	43,512	800	1,988	1.		131,366	
74 75 76	46 30 10	62,091	35,633	1.174	5	177 107	7 178	113 80		. 2,910	22,350 20,479 1,871 125,079	1	
77 78 79	31.	328,290 1,300	240, 284	1,00	3	716	1		5 30		105	1: 3	3
		3,111	295	3, 450	3	1,898		=======		a	181,096		
80 81 82	4,87	9 1 240	18, 67	. 100	3	3,269 1,739) 12	1,018		28,009 181	109, 953 4, 521 16, 001	36,80	6
83	1,76	1,336			1	34	5 51		lad "	1	-5,582	<u> </u>	1

*Includes animals, age and sex not specified.

${\tt AGRICULTURE-COLORADO}.$

TABLE 2.—NUMBER, ACREAGE, AND VALUE OF FARMS CLASSIFIED BY TENURE, COLOR

[Comparative data for June 1, 1900, in italics.]

=		THE STATE.	Adams.	Arapahoe.1	Archuleta.2	Baca.	Bent.
		THE STATE.	Augus.	лараное.	ATCHOLOG,-	- Java.	Боци,
1 2 3 4	FARMS OPERATED BY OWNERS Number of farms in 1900. Per cent of all farms. Per cent of all farms. Per cent of all farms in 1900.	36, 993 18, 239 80, 1 73, 8	1,012 (1) 74.6 (1)	740 1,374 78.1 65.5	227 167 80. 5 77. 7	524 119 97.0 86.9	300° 184 64. 8 67. 2
6	Land in farms acres. Improved land in farms. acres. Value of land and buildings. dollars.	10, 134, 797 2, 907, 897 270, 209, 463	245, 350 60, 224 7, 464, 920	211, 379 32, 456 6, 446, 745	57, 986 12, 603 981, 830	253, 209 33, 813 1, 070, 364	84, 914 33, 531 3, 248, 395
8	Degree of ownership: Farms consisting of owned land only. Farms consisting of owned and hired land	32,474 4,519	904 108	691 49	217 10	515	220- 80-
10 11 12	Native white. Foreign-born white. Negro and other nonwhite.		657 351 4	523 212 5	196 31	512 12	251 48. * 1
13 14 15 16	FARMS OPERATED BY TENANTS Number of farms in 1900. Per cent of all farms. Per cent of all farms in 1900.	18.2	322 (1) 23.7 (1)	180 <i>637</i> 19. 0 30. 3	55 £9 19. 5 13. 5	16 6 3.0 4.4	152 68 32.8 24.8
17 18 19	Land in farms acres. Improved land in farms acres. Yalue of land and buildings dollars.	2, 256, 870	83,705 41,653 5,656,640	32, 248 13, 461 2, 624, 860	27, 144 3, 492 236, 000	4,045 1,140 20,500	35, 654 23, 324 2, 300, 835
20 21 22 23	Form of tenancy: Share-tenants Share-cash tenants. Cash tenants Tenure not specified Color and nativity of tenants:	233	175 2 134 11	35 6 87 52	11 42 2	1 15	122: 4. 20: 6
24 25 26	Color and nativity of tenants: Native white. Foreign-born white. Negro and other nonwhite.	1.572	200 119 3	138 38 4	54 1	16	130 16 6
27 28 29 30	FARMS OPERATED BY MANAGERS Number of farms in 1900	1,140,446	23 (1) 34,730 7,361 1,167,800	28 94 41,290 16,691 1,099,100	19		11 22 47, 729 3, 064 888, 951
32 33 34	MORTGAGE DEBT REPORTS For all farms operated by owners: Number free from mortgage debt Number with mortgage debt Number with no mortgage report	.) 9.030	765 221 26	537 199 4	182 42 3	503 21	159- 138 3-
35 36 37 38	For farms consisting of owned land only: Number reporting debt and amount. Value of their land and buildings. Amount of mortgage debt. Per cent of value of land and buildings. dollars.	7,571 77,332,068 18,986,026	1,017,130 261,620 25.7	1, 115, 739	316, 280 72, 905 23. 1	19 109,050 21,530 19.7	1, 111, 845 301, 307 27. 1

¹ Change of boundary. (See explanation at close of text.)

TABLE 3.-LIVE STOCK PRODUCTS, AND DOMESTIC ANIMALS

	LIVE STOCK PRODUCTS Dairy Products	ļ				į	
1 2 3 4 5 6	Dairy cows on farms reporting dairy productsnumber Dairy cows on farms reporting milk producednumber Milk—Producedgallons. Soldgallons. Cream soldgallons. Datter fat soldgallons. Dounds	114, 156 94, 132 33, 631, 723 10, 037, 007 440, 257 1, 087, 681	4, 280 4, 057 2, 322, 254 1, 374, 817 14, 604 48, 211	4,000 3,418 1,668,329 1,118,890 17,580 67,547	1,023 713 114,900 10,380	881 717 126,002 200	1,240: 1,224: 357,382: 40,170: 1,769:
7 8 9 10	Butter—Produced pounds. Sold pounds. Cheese—Produced pounds. Sold pounds.	5,856,132 2,914,143 69,895 50,413	187, 936 114, 922 9, 100 9, 000	99, 961 56, 485 5, 150 3, 750	26, 419 10, 602 125 100	29,866 4,434	84, 433 33, 854 250 50
11 12	Value of dairy products, excluding home use of milk and cream	4,174,270 3,407,723	370,926 351,985	335, 102 323, 015	10,537 5,812	6,280 1,024	41,845 28,674
13 14 15 16 17 18	Poultry—Raised number. Sold number. Eggs—Produced dozens Sold dozens Sold dozens Yalne of poultry and eggs produced dollars. Receipts from sale of poultry and eggs dollars.	2,149,556 670,128 8,579,743 4,260,285 3,074,669 1,366,663	73, 908 30, 135 270, 434 135, 512 106, 018 51, 149	61,031 26,325 218,850 134,037 94,616 52,495	6, 457 2, 715 31, 684 12, 642 11, 535 4, 771	15,365 2,227 46,060 4,144 14,134 1,512	43, 434 12, 954 162, 356 77, 774 51, 633 23, 792
19 20 21	Honey producedpounds Wax producedpounds Value of honey and wax produceddollars	2,306,492 33,682 234,334	18,791 342 2,250	15,207 184 1,968	50		109,029 1,002 8,651
22 23 24	Wool, Mohair, and Goat Hair Wool, fleeces shorn	1,011,185 2,547 1,174,690	14,750 16,738	15,604 2 18,747	30,900 19,750	44, 200 63, 902	25, 597 32, 212
25 26 27 28 29 30	DOMESTIC ANIMALS SOLD OR SLAUGHTERED Calves—Sold or slaughtered	45, 491 464, 033 26, 921 176, 748 1,006, 786 22, 453, 959	1,794 3,145 378 3,136 11,324 205,169	1,827 3,153 291 1,513 5,263 180,412	247 9,509 174 458 35,608 412,562 18,377	169 3,306 494 677 25,007 179,891 15,316	328 7, 580 1, 003 3, 596 115, 995 888, 030 25, 073
u,	discourage discourage designation of the second sec	1,754,216	26, 401	16,320	10,011	20,020	

² Agricultural data for Indians on reservations in 1900 shown separately in last column of table.

AND NATIVITY OF FARMERS, AND MORTGAGED DEBT, BY COUNTIES: APRIL 15, 1910.

[Comparative data for June 1, 1900, in italics.]

	Boulder.	Chaffee.	Cheyenne.	Clear Creek.	Conejos.	Costilla.	Custer.	Delta.	Denyer.	Dolores.	Douglas.	Eagle.	El Paso.
1 2 3 4	758 <i>640</i> 64. 2 <i>66. 2</i>	194 <i>180</i> 84. 3 74. 4	784 47 99. 1 82. 5	24 25 82. 8 80. 6	605 495 80.0 80.2	303 255 78. 3 77. 0	204 <i>209</i> 81. 9 85. 2	1,427 750 82.0 83.5	158 (¹) 67. 2 (¹)	25 32 80. 6 88. 9	305 345 73. 0 75. 6	206 167 83. 1 80. 3	1,064 529 82.8 72.6
5 6 7	105, 304 62, 842 8, 136, 060	29, 897 13, 894 1, 223, 590	208,769 70,390 2,539,151	9,611 964 112,300	150,608 101,830 5,110,507	71, 212 33, 054 2, 118, 657	70, 558 19, 337 1, 232, 480	109, 689 46, 480 14, 529, 455	1,117 960 1,345,850	4,738 892 57,100	237, 601 32, 287 3, 218, 298	54,845 20,550 1,994,200	532,152 107,503 7,807,735
8	653 105	191 3	754 30	23 1	489 116	275 28	179 25	1, 260 167	150 8	25	257 48	191 15	870 194
10 11 12	542 213 3	128 66	680 104	13 11	554 50 1	282 21	110 94	1,272 155	80 78	21 4	202 103	152 54	858 200 6
13 14 15 16	405 510 84. 3 52, 1	33 57 14, 3 23, 6	4 5 0.5 5.8	6.9 12.9	148 109 19. 6 17. 7	77 73 19. 9 22. 1	44 47 17. 7 18. 4	226 118 13. 0 13. 5	(1) 29.4 (1)	5 3 16. 1 8. 3	102 103 24. 4 £2. 5	42 37 16. 9 17. 8	195 169 15. 2 28. 2
17 18 19	74,392 46,752 5,548,965	6,746 2,364 174,500	515 245 6,750	185 60 5,600	34,302 26,646 1,233,680	20, 234 14, 138 628, 560	16, 151 7, 343 319, 020	21, 584 10, 312 2, 296, 235	1,466 1,084 937,430	680 184 · 8,000	70,962 12,851 928,285	8,054 4,851 479,300	146, 500 31, 429 2, 198, 230
20 21 22 23	233 11 138 23	12 16 5	2 1 1	1 1	113 2 20 13	50 6 15 6	22 10 12	138 4 81 3	2 37 30	5	34 2 55 11	16 1 19 6	100 5 85 5
24 25 26	305 99 1	26 7	4	1 1	140 7 1	71 6	37 7	210 16	38 31	5	90 12	35 7	167 25 3
27 28 29 30 31	18 17 11,226 3,637 1,059,425	3 5 643 475 181,000	3 7 6,926 5,120 70,200	3 £ 6,280 270 73,800	3 15 3,740 3,440 152,800	7 8 67,920 67,420 357,400	1 5 4,000 400 20,000	88 26 10,920 5,812 2,061,700	8 (1) 180 165 921, 200	1 100 60 2,000	11 9 33,455 3,255 387,050	4	26 51 40,793 9,005 1,125,250
32 33 34	439 303 16	130 63 1	746 33 5	19 4 1	440 152 13	239 61 3	153 43 8	705 719 3	91 53 14	23 2	100 103 3	128 75 3	844 211 9
35 36 37 38	2, 240, 105 566, 115 25. 3	61 421,000 144,810 34.4	31 249, 490 50, 090 20. 1	31,000 11,900 38.4	960,739 268,518 27.9	47 447, 593 108, 125 24, 2	221, 800 72, 400 32. 6	6, 168, 125 1, 508, 160 24, 4	301, 600 70, 600 23, 4	4,000 1,400 35.0	82 744,765 201,980 27.1	68 743,990 216,950 29.2	138 987,000 246,121 24.9

³ No mortgage reports were secured for farms operated by tenants and managers. (See explanation in text.)

SOLD OR SLAUGHTERED ON FARMS, BY COUNTIES: 1909.

1 2 3 4 5 6	4,317 3,149 1,511,228 404,061 12,739 66,713	717 616 268,079 132,816 1,362	1,561 1,527 344,080 1,465 750 39,268	137 125 57,825 14,480	1,314 1,221 305,050 6,677 4,805 12,355	453 431 92,652 30,154 100	1, 025 507 104, 690 1, 210 45	2, 408 2, 120 879, 661 70, 945 3, 135 2, 228	1,229 1,157 961,837 986,880	54 54 10,385 60	5,568 2,437 875,140 799,420 73,273 170,493	618 610 238, 801 10, 658 20	0,962 4,990 1,023,172 1,081,350 61,497 13,214
7 8 9 10	402,322 229,530 1,224 358	32, 193 17, 267 1, 550 240	46,810 15,879	7,027 995	55,209 25,822 4,145 2,320	13,730 8,542	54,157 37,453 120	238, 209 90, 433 80 60	2,390 60	1,992 736	31,940 14,466 7,166 7,166	58,297 28,733 110 50	119,418 61,846
11 12	216,988 167,556	43,211 38,769	21,949 14,963	6,279 4,571	22,599 15,054	12,604 11,308	14,544 10,117	90, 455 52, 837	236, 616 236, 026	676 257	195,333 - 190,407	17,472 9,437	254,263 240,277
13 14 15 16 17 18	113,886 43,388 406,648 235,581 158,896 81,910	12,746 4,474 44,058 20,695 19,153 8,230	14,375 2,272 62,472 23,875 19,398 6,173	1,391 187 8,745 2,080 3,050 648	33,804 11,977 174,309 97,918 58,281 28,952	6,027 1,433 23,906 10,989 8,735 3,576	7,803 2,039 28,521 16,323 10,498 5,006	72,592 17,602 326,993 173,939 116,742 53,132	10, 424 5, 186 87, 737 22, 073 19, 678 11, 148	519 119 2,534 460 954 207	24,030 7,409 102,090 38,472 34,374 12,587	12,275 2,407 82,378 22,533 28,452 7,405	55, 330 20, 683 223, 118 118, 618 83, 641 40, 499
19 20 21	171, 408 4, 500 20, 059	5, 194 825		••••••	20, 059 93 2, 101	1, 114	4,735 80 584	299,787 3,690 22,759	5,955 116 604		6,660 10 922	6,200 647	10,636 50 1,303
22 23 24	5,803 29 5,901	40 37	9,550 13,049		126, 209 92, 983	25,759 22,424		8,560 142 10,871		10 3	20 1 45	241 101 380	21, 393 33, 013
25 26 27 28 29	1,911 5,043 491 2,698 1,557	360 2,809 141 3,344 447	141 5,541 271 311 4,768	57 101 4 5	1, 130 11, 437 439 18, 984 141, 145	654 3,067 5 315 6,527	544 4,017 127 767 33	808 7,286 903 4,393 3,475	512 197 11 215	16 1,206 5 14	2,314 4,612 243 1,935	249 8,016 262 738 91	2,991 7,926 334 3,475 18,659
30 31	295,890 27,748	74,268 54,416	248,689 7,369	1,918 1,228	901,585 42,529	89,948 6,270	106, 480 12, 768	323,346 46,825	10,087 649	35, 545 3, 158	170, 250 52, 139	324, 863 37, 982	311,908 59,136

TABLE 2.—NUMBER, ACREAGE, AND VALUE OF FARMS CLASSIFIED BY TENURE, COLOR

[Comparative data for June 1, 1900, in italies.]

=		Elbert.	Fremont.	Garfield.	Gilpin.	Grand.	Gunnison.	Hinsdale.	Huerfano.
	FARMS OPERATED BY OWNERS								
1 2 3 4	Number of farms in 1900	1, 073 508 93. 3 87. 7	756 474 84. 4 78. 2	781 409 80. 9 80. 7	34 38 79. 1 77. 6	223 <i>168</i> 89. 6 <i>93. 9</i>	247 196 89. 2 82. 0	23 30 95. 8 85. 7	399 4 20 86. 4 86. 4
5 6 7	Land in farms acres. Improved land in farms acres. Value of land and buildings dollars. Degree of ownership:	568, 139 91, 842 6, 606, 122	72,148 18,289 4,694, 030	118,885 44,649 6,757,020	9,259 2,170 93,730	97,727 24,840 1,521,240	71,609 31,945 1,868,130	5,276 2,279 67,600	129,7 56 21,91 8 2,034,110
8 9	Farms consisting of owned land only. Farms consisting of owned and hired land. Color and nativity of owners:	1,004 69	689 67	730 51	26 8	193 30	234 13	23	388 11
10 11 12	Native white Foreign-born white Negro and other nonwhite	814 259	591 164 1	624 154 3	12 22	162 60 1	198 49	16 7	328 69 2
	FARMS OPERATED BY TENANTS								
13 14 15 16	Number of farms in 1900. Number of farms in 1900. Per cent of all farms. Per cent of all farms in 1900.	70 55 6. 1 9. 5	116 122 12.9 20.1	162 84 16. 8 16. 6	9. 3 20. 4	14 6 5. 6 8. 4	26 <i>30</i> 9. 4 15. 1	æ	55 61 11.9 12.6
17 18 19	Land in farms acres. Improved land in farms acres. Value of land and buildings. dollars. Form of tenancy:	78,062 24,682 863,130	16,447 3,804 826,890	28,762 13,807 1,873,850	1,760 505 30,000	3,980 1,732 89,100	9,493 5,379 362,900		25,078 5,683 428,600
20 21 22 23	Share tenants. Share-cash tenants. Cash tenants. Tanure not specified. Color and nativity of tenants:	18 1 37 14	38 6 49 23	89 2 65 6	4	7	9 1 14 2		28 1 20 0
24 25 26	Native white Foreign-born white Negro and other nonwhite	57 13	101 14 1	143 19	3 1	13 1	19 6 1		54 1
-77	FARMS OPERATED BY MANAGERS								
27 28 29 30 31	Number of farms Number of farms in 1900. Land in farms Improved land in farms acres Value of land and buildings dollars.	7 16 36,080 1,950 284,800	24 10 58,271 2,775 611,500	22 14 9,073 3,362 484,200	5 1 2,304 695 32,200	12 5 11,580 3,525 295,000	4 7 2,180 750 58,500	1 3 160 70 2,500	8 5 7,000 1,030 139,500
	MORTGAGE DEBT REPORTS:								
32 33 34	For all farms operated by owners: Number free from mortgage debt. Number with mortgage debt. Number with no mortgage report. For farms consisting of owned land only:	910 162 1	527 204 25	474 301 6	31 3	171 50 2	129 117 1	17 6	317 82
35 36 37 38	Number reporting debt and amount. Value of their land and buildingsdollars. Amount of mortgage debtdollars. Per cent of value of land and buildings	1,332,852 315,800 23.7	1,312,600 288,655 22.0	2,727,730 578,291 21.2	3 20,295 4,150 20.4	45 317,565 90,150 28.4	1,081,880 340,790 31.5	24,500 7,450 30.4	72 575,400 171,882 29.9

¹ Change of boundary. (See explanation at close of text.)

TABLE 3.—LIVE STOCK PRODUCTS, AND DOMESTIC ANIMALS

-									
	LIVE STOCK PRODUCTS Dairy Products								
1 2 3 4 5	Dairy cows on farms reporting dairy products Dairy cows on farms reporting milk produced. Milk—Produced. Sold. Gallons Cream sold. Butter fat sold. Dairy Froduced. gallons gallons pounds.	5,779 2,841 893,675 82,405 83,756 182,629	1,276 1,108 335,054 97,853	2,575 1,926 764,960 128,335 3,929 2,428	163 156 57,373 30,005 792	878 867 275,950 18,155 2,779 340	1, 186 1, 137 299, 114 30, 226 1, 480 210	45 25 8,880 658 100	976 941 247, 375 16, 255 206 300
7 8 9 10 11	Butter—Produced pounds. Sold pounds. Cheese—Produced pounds. Sold pounds. Sold pounds. Value of dairy products, excluding home use	75, 932 84, 482 25	66, 598 33, 777	171,043 86,534 150	5,389 2,665 1,110 550	50,002 26,055	60,519 31,245	3,066 2,139 250 250	62, 616 36, 431 828 591
12	Receipts from sale of dairy products	135, 534 125, 288	50, 185 40, 217	82,297 59,985	10,872 9,866	19, 196 13, 027	27,376 19,227	1,237 995	19, 699 13, 439
13 14 15 16 17 18	Poultry—Raised number Sold number Eggs—Produced dozens Sold dozens Yalue of poultry and eggs produced dollars Receipts from sale of poultry and eggs dollars	40, 097 8, 611 207, 937 93, 127 63, 799 24, 532	32, 249 11, 416 146, 408 78, 338 56, 342 28, 052	48,588 16,136 208,347 101,400 83,518 38,413	1,086 241 8,018 2,194 3,102	5, 217 965 32, 957 8, 072 11, 352 2, 887	12,379 4,454 34,863 15,495 17,108 7,245	318 180 1,516 534 599 252	14,848 4,913 61,648 23,161 22,292 8,428
19 20 21	Honey and Wax Honey produced	5,434 46 773	18,587 60 2,195	79,391 749 8,357					17,811 292 2,018
22 23 24	Wool, fleeces shorn	23,906 4 29,197	54 52	201 10 413			15 15		54,114 59,144
25 26 27 28 29	Calves—Sold or slaughtered	1, 288 5, 881 383 2, 160 17, 835	479 6,823 160 534 14	1,700 18,450 355 3,033 53	49 113 15 12	37 3, 325 122 115 2, 522	556 10,147 64 318 9	5 453 7 13 2	1,538 7,542 107 654 32,320
30 31	Receipts from sale of animals dollars. Value of animals slaughtered dollars.	286,530 32,598	191, 049 14, 678	568, 134 47, 954	1,774 2,739	149, 897 14, 810	294, 936 26, 029	13,972 1,724	354, 746 28, 559

 $^{^{2}}$ Agricultural data for Indians on reservations in 1900 shown separately in last column of table.

AND NATIVITY OF FARMERS, AND MORTGAGED DEBT, BY COUNTIES: APRIL 15, 1910 - Continued.

Westipotative data for June 1, 1909, in Italies]

	Jack men	Indian meta ?	li town.	KII Kataon	In Plata *	lake.	leatlines t	Las Anlmas	Limeotu.	Logan.	Mena.	Mineral.	Monte-
4 18 18	1 500 00 1, 00 00 1, 00 00 0	\$ 100 g g 100 g 100 g g 100 g g 100	614 197 65 a PT D	1. V25 Base 10. 5	13.75 13.75 10.0	47 49 101 5 11 7	1,188 1,687 64,9 73,4	741 ### 77.7 ##. #	1,377 181 19.5	1,1fg 200 80,0 84,7	2,000 2,000 50,6 70,8	92 45 97. 0	80 81 88.7 81.4
有	1,30,0334 2,321 2,321,985	154,663 38,486 9,289,794	144, 544 146,41 1, 144,11	551,396 135,035 5,991,396	171,193 33,234 3,592,690	10,442 4,782 236,000	170,045 07,730 046,730,11	217, 265 200,006 2, 223, 620	411,675 98,388 4,690,827	335, 166 85, 136 5,745, 838	137, 937 57, 343 22, 867, 180	18,486 6,959 442,100	140, 49 22, 90 1, 988, 70
R	4.7 4.7	8.56 13.5	dest Ti	1.154 MA	\$63 6 3	\$ t	952 236	67.8 63	1,243 84	1,029 140	1,778 240	29 1	84
11 11	121	657 351 3	647 67	1,434	177 178 27	72 25	921 206 1	577 161 3	1,31t 110	013 226	1,766 239 4	25	45 • 6
13 14 15 15 15	12 12 14 7 14)	304 304 308 4 800	77. 1		125 44 17.0 14.6	1. n 12. r	149 22 7 46 2	21 2 21 2 31 3 31 3	0 4 4 0 8	1>2 48 13 4 71,6	254 \$ 783 : 11. 0	3.0 4.3	10 10.1 10.1
17 18 19	101°230 2°359 13°040	eni (945 75, 194 6, 120, 405	27, 150 1, 810 773, 840	12, 191 A 204 146, 300	21,630 7,694 846,190	7,861 7,816 134,369	138,112 188,955 7,674,382	1.30, 698 10, 530 1, 146, 255	16, 290 6, 583 155, 800	44,741 25,644 2,743,006	17, 427 9, 802 2, 478, 180	1841 80 2, 500	15,39 0,95 579,86
20 21 21 21 21 21	2 10		# 11 12	31 · 4	74 11	1	(42 23 106 24	105 105	1	59 2 24 95	193 3 40 40	(2) (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	7
製車 製造 製造	*	201 90	***************************************	390	1446 149 2	. 1.: 4.2	179 179 7	156 46	6	123 41 18	***	1	0
77 201 201 301 31	10 27 200 11 270 10 400	27 52 9 941 5 861 976 750) (040) (153) (2,000)		11 p. 366 506 136,000	10,000	41 44 30,44 11,291 1,003	37, 335 37, 335 103, 600	11 180 180 3 (80	75,630 75,630 4,215 613,400	81 85 19,220 6,300 2,419,760	**************************************	1, 30 1, 16 1,42,70
32 33 34	100	561 130 17	## 34 24	1.631 ##	421 141 2	37 10	64 201	107	1.777 Wi	847 159 141	1,12		177
il M Vi	213 200 213 200 213 200	7, 754, 500 610, 100 71, 7	10 113 010 22 000 11 3	735,635 36,170 16,1	1,000,020 237,730 72.8	17, 970 19, 177 19 8	3,501,540 1,144,320 22,3	467, 570 129, 170 27, 6	777, 640 171, 680 171, 680	1,031,650 201,747 20,4	976 11, 182, 360 2, 745, 346 24, 6	34,000 0,850 20,1	659, 70 183, 46 27, 8

^{*} He rised gage to post in more measured for farms operated by tonante and managers. (See explanation in text.)

SOLD OR SLAUGHTERED ON FARMS, BY COUNTIES 1909 Continued.

	and the second	· · · · · · · · · · · · · · · · · · ·			4	4	`````` }				And the second	Co. Constitution of Co.	1992) p.g. 1939 8 1 al
I MARKA	1022 1022 1023 1021 1021 1021	4. 10% 4. 10% 7. 0040, 0000 1. 0000, 0000 1. 0000, 0000 1. 0000, 0000 1. 0000	1 , 1 .ki 1 200.0 2 20 , 3000 2 , 327 3 , 325 2 , 278	1, 0000 2, 6016 5, 6016 2, \$000 11, 8005 11, 8005	1.700	.20 43.5 781, 1779 1916, 434 4, 1913 444	1, 104 3, 94 1, 40, 86 1, 10, 94 1, 188 6, 21 1, 188	1, 365 1, 249 1, 651 1, 661 91, 300	1, 720 1, 419 455,665 10, 491 3, 212	1, 756 1, 554 557, 194 16, 201 1, 914 36, 170	7, 174 2, 182 1,363,372 135, 511 2,391 31,658	797 84 6,948 19,000	1, 186 1, 161 3720, 480 11, 882 21, 188 21, 820
7 9 10	30, \$64 3, \$50	771, 267 120, 141	71.917 12.649 200 100	141, 400 1048, 76	101, 230 101, 463	5, 611 240 240	370, 107 214, 170 600 530	30,734 33,086 39,088 19,381	154,023 70,128 80	106,115 50,045	263, 640 101, 409 534 369	7, 621 1, 7 6 1, 2 8 1, 2 8 2 8	160,200 21,551 714 710
11) 3. 1.2 0 3. 964	707, 1816 381, 111	17, kan 4, 197	31.642 34.969	34, 436 34, 344	50, 307 52, 414	130,394 94,651	47, 447 48, 1444		80, 473 27, 183	125, 132 76, 786	2, 250 1, 36H	24,300 12,278
13 14 15 18 17	7, 191 14,717 1,919 2,919	111 Jan 127 April 127 April 127 April 127 April 127 April	13 (33) 2,741 88,384 21,367 14,464 8,698	#	11. 11. 11. 11. 11. 11. 11. 11. 11. 11.	2.33A 263 6.367 3.447 3.447 3.443 2.376	114, 1234 41, 224 441, 325 441, 325 255, 868 156, 276 76, 87	30, 765 8,010 95, 468 48, 336 40, 604 17, 928	21,770 3,451 196,486 84,350 51,845 19,403	##, 734 11, 278 157, 473 82, 738 53, 888 21, 738	84, 417 25, 525 417, 618 191, 844 152, 325 64, 241	797 49 1,666 471 777 171	28, 112 9, 301 113, 414 49, 563 42, 886 17, 284
19 20 21		99,671 997 10,798			71. 313. <u>2</u> 16. 3 2, 4° 14		212, 744 3, 378 21, 310	18, 215 218 1, 474		24,774 171 0,980	207, 258 6, 509 21, 761	**************************************	201, 03:2 100 1, 475
14 13 13 13 13 13 13 13 13 13 13 13 13 13),061 (10.1		22,980 22,984	3, 974 6, 6254	21, 3m ² 152 20, 754	₩	230 324	114, 122 182, 431	80,000 35 130,651	746 1,171	2,678 2,831		19,780 78 17,646
23 21 21 20	21.007 144 140	7, 4100 0, 334 419 3, 411	1.22 1.310 605	1	511 6, 150 300 4, 004 14, 204		1,688 14,134 813 6,939 80,034	1,133 13,107 1,484 735 34,949	6,910 394 905 30,197	1,200 19,100 1,281 2,365 510	1,140 12,063 643 3,901 1,596	370 3	604 19,089 191 2,631 14,948
30 31	\$0,127 12,613	347,414	205, 873 10, 200	708,545 71,130	200, 387	7, 635 9, 977	1, 276, 127	122,681 130,475	377, 100 15, 737	614,134 24,634	493, 203 66, 074	10, 233 1, 040	383,614 44,156

75090° ma [3-man].

TABLE 2.—NUMBER, ACREAGE, AND VALUE OF FARMS CLASSIFIED BY TENURE, COLOR

[Comparative data for June 1, 1900, in italics.]

		Montrose.	Morgan.	Otero.	Ouray.	Park,1	Phillips.	Pitkin.	Prowers.	Pueblo.
1	FARMS OPERATED BY OWNERS Number of farms	857	813	943	151	153	414	169	708	823
2		416	<i>976</i>	609	98	172	213	138	347	426
3		75.3	75. 6	63. 0	79. 9	78. 9	81.5	88. 5	71.4	74.6
4		79.4	73. 0	62. 5	76. 6	78. 2	87.3	81. 2	72.6	64.3
5	Land in farms acres Improved land in farms acres. Value of land and buildings dollars.	110,928	178,925	148, 358	40,454	96, 691	173,471	38,855	179, 633	359, 296
6		42,437	63,222	81, 199	10,606	25, 359	61,780	12,772	55, 834	39, 089
7		7,884,985	5,973,045	9, 515, 593	1,032,285	1, 294, 059	4,187,435	1,227,285	5, 580, 554	4, 803, 160
8	Degree of ownership: Farms consisting of owned land only. Farms consisting of owned and hired land Color and nativity of owners:	717	743	822	135	140	276	166	· 583	685
9		140	70	121	16	13	138	3	125	138
10 11 12	Native white	743 114	652 159 2	812 127 4	109 42	118 35	331 83	103 66	650 57 1	574 242 7
13	FARMS OPERATED BY TENANTS Number of farms. Number of farms in 1900. Per cent of all farms Per cent of all farms in 1900.	252	230	534	36	29	92	17	265	256
14		93	82	270	26	59	28	27	103	£17
15		22.1	21.4	35. 6	19. 0	14.9	18.1	8. 9	26. 7	23.2
16		17.6	21.7	55. 2	20. 3	17.7	11.6	15. 9	\$1. 5	52.7
17	Land in farms	29, 218	41,104	70, 875	7,339	28,900	41,115	3,474	47,669	80,035
18		17, 313	28,372	59, 617	3,851	10,537	15,441	1,416	34,331	20,512
19		2, 762, 850	3,310,165	6, 567, 600	268,170	348,000	1,058,035	144,700	4,411,910	1,938,310
20 21 22 23	Share tenants. Share-cash tenants. Cash tenants. Tenuro not specified. Color and nativity of tenants:	161 4 69 18	187 7 34 2	284 24 104 122	16 19 1	19 6	82 2 2 6	1 8 8	221 10 13 21	73 29 101 53
24 25 26	Native white	210	167 61 2	447 75 12	28 8	25 4	81 11	11 6	223 39 3	221 31 4
27	FARMS OPERATED BY MANAGERS Number of farms. Number of farms in 1900. Land in farms. Improved land in farms. acres. Value of land and buildings. dollars.	29	32	21	2	12	2	5	18	24
28		16	<i>80</i>	<i>35</i>	4	9	3	5	28	<i>20</i>
29		11,229	13,240	34, 952	1,040	55,608	1,760	2,957	23,015	190,783
30		5,386	7,127	2, 298	155	10,309	680	970	12,075	3,825
81		1,004,400	711,585	610, 200	34,000	501,050	70,600	147,500	1,834,790	1,450,380
32 33 34	MORTGAGE DEBT REPORTS: For all farms operated by owners: Number free from mortgage debt. Number with mortgage debt. Number with no mortgage report.	306	585 223 5	473 432 38	103 47 1	117 36	311 101 2	93 75 1	506 199 3	546 269 8
35 36 37 38	For farms consisting of owned land only: Number reporting debt and amount. Value of their land and buildings. dollars. Amount of mortgage debt. dollars. Per cent of value of land and buildings.	240 2,569,685 723,520 28.2	181 2,394,015 639,100 26.7	3, 291, 476 940, 695 28. 6	347, 290 87, 035 25. 1	366, 660 83, 200 22, 7	65 678, 150 99, 330 14. 6	568,385 166,350 29.3	1,526,130 398,392 26.1	1,536,430 310,325 20,2

¹Change of boundary. (See explanation at close of text.)

TABLE 3.—LIVE STOCK PRODUCTS, AND DOMESTIC ANIMALS

	LIVE STOCK PRODUCTS									
1 2 3	Dairy Products Dairy cows on farms reporting dairy products Dairy cows on farms reporting milk produced	1,917 1,879	1,649 1,608	2,302 2,118	883 878	519 470	1,772 1,758	822 818	2,107 1,998	3,072 2,864
5 6	Mik—Produced gallons Sold gallons Cream sold gallons Butter fat sold pounds.	777,870 28,148 8,318 16,833	538, 528 20, 803 6, 199 3, 200	905, 430 66, 348 5, 396	· 286,175 62,070 24,601	131,885 8,290 200	503, 912 4, 040 1, 127 71, 327	235,821 42,284 1,552 1,090	624,181 80,971 4,432 15,387	1,117,709 836,740 10,236 10,484
7 8 9	Butter—Produced pounds. Sold pounds. Cheese—Produced pounds	150,587 69,258	126,374 66,208 1,420	236,050 120,226	26,008 8,178	22,542 8,526	72, 108 31, 790	51,472 29,166 648	137,829 62,707	208, 419 137, 565 7, 130
10 11	Sold pounds. Value of dairy products, excluding home use of milk and cream dollars		850		• • • • • • • • • • • • • • • • • • • •			576		7,130
12	Receipts from sale of dalry productsdollars	59,958 36,982	46, 956 29, 891	84,476 55,335	35,634 30,590	9,831 5,710	33,383 24,166	27,532 21,150	62,356 43,444	144, 926 125, 915
13 14 15 16 17	Poultry Products Poultry—Raised number. Sold number Eggs—Produced dozens Sold dozens	41,531 11,348 179,398 82,612	42, 783 11, 627 175, 160 78, 944	100, 111 39, 731 321, 013 188, 320	7,524 3,865 52,362 28,840	4,264 1,334 18,081 4,489	38,341 8,186 158,003 98,666	8,990 2,942 36,900 12,192	52,555 13,369 228,791 118,734	68,314 22,067 233,795 118,401
18	Value of poultry and eggs produceddollars Receipts from sale of poultry and eggsdollars	68,023 26,952	59, 411 23, 459	137,261 70,607	17,599 9,951	7,651 2,154	49, 126 23, 108	15,308 5,305	72,840 33,298	94,970 42,211
19 20 21	Honey and Wax Honey produced. pounds. Wax produced. pounds. Value of honey and wax produced. dellars.	277, 231 2, 235 20, 339	24, 134 315 2, 621	352,857 3,099 36,625	11,026	1		4,922 70 529	70,888 632 7,642	32,782 772 3,897
••	Wool, Mohair, and Goat Hair			,	-,				,,,,,	-,
22 23 24	Wool, fleeces shorn number. Mohair and goat hair, fleeces shorn number.	56,764 2	15,346	42,067	209	22,237 61	140	98	23,259	4,719
24	Value of wool and mohair produced dollars DOMESTIC ANIMALS SOLD OR	76, 243	21,083	60,823	134	31,675	155	155	23,320	5,586
٥.	SLAUGHTERED									
25 26 27 28 29	Calves—Sold or slaughtered	10, 828 414 2, 494	557 5,083 609 5,191	842 27,955 1,742 8,515	244 3,815 191 540	7,206 7,206 57 7,050	559 4, 165 427 3, 210	300 2,902 44 1,089	1,422 10,324 1,298 8,742	1,976 14,488 562 6,798
30 31	Receipts from sale of animalsdollars Value of animals slaughtereddollars	22,513 431,497 34,783	31,575 459,528 23,317	72,063 1,436,575 55,177	187 132, 430 10, 000	3,328 219,246 14,975	203,265 15,096	78,905 21,583	65,088 823,705 56,134	4, 413 521, 003 44, 152
			1			1	1	1 .	1	

AND NATIVITY OF FARMERS, AND MORTGAGED DEBT, BY COUNTIES: APRIL 15, 1910-Continued.

[Comparative data for June 1, 1900, in italics.]

<u></u>	Rio Blanco.	Rio Grande.	Routt.	Saguache.	San Juan.	San Miguel.	Sedgwick.	Summit.	Teller.	Washing- ton.1	Weld.	Yuma.1	Indian res- ervations.
1 2 3 4	293 214 85. 9 81. 1	324 #68 62. 4 74. #	967 <i>580</i> 86. 9 82. <i>5</i>	258 314 71. 1 77. 3	4 66.7	120 188 85. 7 82. 1	333 126 74. 3 80. 8	84 64 87. 5 83. 1	165 <i>120</i> 79. 3 8 5 . 9	1,289 170 95. 8 · 84. 6	2,547 1,087 64.0 54.5	1,670 218 91.3 74.9	14
5 6 7	84,621 29,725 2,063,355	91,060 71,702 5,786,225	262,875 69,688 5,685,525	109,467 73,807 3,468,560		30,625 16,375 763,350	131,863 41,824 3,099,383	21,919 5,704 368,000	43,399 5,620 527,330	509, 496 108, 174 5, 514, 324	581,138 207,559 25,050,871	584,540 271,560 6,757,436	
8 9	260 33	289 35	898 69	219 39		115 5	270 63	71 13	150 15	972 317	2,352 195	1,381 289	
10 11 12	250 43	284 38 2	814 152 1	221 37		99 20 1	278 54 1	59 25	137 28	1,117 164 8	1,983 560 4	1,456 214	
13 14 15 16	37 ## 10. 9 8. 3	179 82 34. 5 82. 7	132 97 11. 9 13. 8	97 79 26. 7 19. 5		20 31 14. 3 13. 5	115 27 25. 7 17. \$	9 7 9. 4 <i>9</i> . 1	35 23 16. 8 16. 1	3. 6 7. 6	1,390 878 34.9 43.6	151 57 8. 3 19. 6	
17 18 19	12,487 4,290 275,600	47,576 34,575 2,852,750	38,606 13,676 1,003,800	145,274 115,795 3,824,100		4,975 2,755 140,900	27, 426 16, 381 1, 494, 215	1,912 666 35,650	8,974 1,626 114,200	19, 395 6, 258 411, 625	287,945 186,529 23,294,360	56,583 36,597 1,072,008	
20 21 22 23	18. 1 8 10	134 3 33 9	45 1 35 51	58 7 21 11		10 10	96 5 11 3	1 1 7	1 19 15	29 1 16 2	1,122 26 83 159	126 4 13 8	
24 25 26	32 5	167 12	125 7	88 9		19 1	82 21 12	7 2	28 7	43 5	982 385 23	142 9	
27 28 29 30 31	11 28 7,278 2,735 209,400	16 11 11,068 9,613 728,073	14 26 28,752 8,964 1,726,200	8 18 28,000 27,500 407,800	2	10	ŝ	3 6 1,013 133 18,775	27,940 3,697 279,000	9 16 22,307 3,554 357,340	44 43 45,137 16,258 1,599,510	8 16 17, 195 9, 995 170, 525	
32 33 34	199 94	135 170 19	733 220 14	198 58 2		73 45 2	261 66 6	51 33	139 18 8	1,191 98	1,818 705 24	1,483 186 1	
35 36 37 38	776,000 232,154 29.9	3,105,025 803,330 25.9	182 1,464,545 380,541 26.0	752, 825 147, 465 19. 6		38 328,700 97,775 29.7	746, 550 130, 677 17. 5	25 129,600 37,628 29.0	16 44,700 7,900 17.7	59 546, 449 113, 503 20. 8	7,891,330 1,468,891 18.6	763,010 763,761 141,761 18.6	

² No mortgage reports were secured for farms operated by tenants and managers. (See explanation in text.)

SOLD OR SLAUGHTERED ON FARMS, BY COUNTIES: 1909—Continued.

											· · · · · ·	
-											-	
630 575 127,727 2,600 325	1,491 1,056 386,900 15,204 1,154 41,181	2,275 1,574 425,063 44,950 5,654 3,012	804 714 171,090 4,306 8,490 4,529		332 299 127,090 6,390	1,038 1,035 332,553 7,901 2,578	426 365 88,008 45 1,093 270	720 678 228,950 118,251 176	2,643 2,546 749,259 10,738 5,156 19,597	7,905 5,896 2,102,912 902,233 9,989 33,797	3, 625 3, 392 786, 284 4, 398 2, 635 33, 410	
37,776 16,118	77,511 48,583 250 250	118,223 59,094 2,000 1,450	31,522 10,875 300 232		16,549 9,520	65, 540 32, 366	29,219 20,037	27,358 13,160 100 100	135,566 67,603 500	520, 431 233, 447 320 200	155,092 67,438	
12,123 5,546	36,824 28,902	48,886 32,049	15,662 11,336		5,920 4,042	17,395 10,489	8,901 6,512	43,232 39,240	38,881 24,841	259,620 184,097	39, 379 23, 609	
15,635 2,015 65,741 12,550 21,590 3,720	30, 408 6, 345 116, 663 63, 334 41, 113 17,853	37, 482 9, 325 171, 598 65, 532 62, 839 22, 202	10,745 2,799 60,079 27,077 18,078 7,260		5,452 838 14,199 3,575 6,278 1,329	24, 562 4, 666 99, 446 46, 610 30, 861 11, 282	2,413 1,180 10,138 4,556 3,743 1,587	5,019 1,524 24,091 9,501 10,131 3,822	55,321 11,925 204,937 113,218 57,698 24,478	237,305 84,313 873,556 438,295 310,693 144,168	93, 461 20, 579 318, 764 180, 721 88, 256 38, 634	
7,581 62 879	7,512 27 920		3,061 466		1,200 40 134	1,500		25 3	6,180 192 750	114,281 1,978 12, <i>5</i> 48	38 3 8	
30 55	47,658 1,025 51,724	14,686 10 23,394	49,167 390 41,501		2,815 300 3,836	3, 521 4, 078	42		17,736 115 25,837	21,347 30,847	1,700 1,981	
251 14,637 405 863 17 534,912	560 6, 411 367 11, 341 64, 756	674 37,530 1,339 1,710 2,360	316 8,978 248 3,281 23,854 427,385		7,950 187 198 5,199 279,381	218 3,507 405 4,107 3,250 231,805	58 1,100 49 55 15	402 2,516 72 152	588 8,330 737 4,544 16,048 437,280	2,341 17,724 2,357 14,471 67,321 1,376,848	823 10,719 1,405 10,573 640 609,154	
	575 127,727 2,000 325 37,776 16,118 12,123 5,546 15,635 2,015 65,741 12,550 21,590 3,720 7,581 62 879 30 55 14,637 405 863 17	325	325	325	325	575 1,656 1,574 714 299 127,727 386,900 425,003 171,900 127,090 2,000 15,204 44,600 4,308 6,390 325 1,154 5,684 8,490 41,181 3,012 4,529 37,776 77,511 118,223 31,522 16,549 16,118 48,583 59,094 10,875 9,520 250 2,000 300 250 1,450 232 12,123 36,824 48,886 15,662 5,920 5,546 28,902 32,049 11,330 4,042 15,635 30,408 37,482 10,745 5,452 2,016 6,345 9,325 2,799 838 65,741 116,663 171,595 60,079 14,199 12,590 41,113 02,889 18,078 6,278 3,720 17,863	127, 727 386,900 425,003 171,090 127,090 332,553 2,000 15,204 44,950 4,306 6,390 7,901 325 1,154 5,654 8,490 2,578 37,776 77,511 118,223 31,522 16,549 65,540 16,118 48,533 59,094 10,875 9,520 32,366 250 2,000 300 9,520 32,366 12,123 36,824 43,886 15,662 5,920 17,395 5,546 28,902 32,049 11,336 4,042 10,489 15,635 30,408 37,482 10,745 5,452 24,562 2,015 6,345 9,325 2,799 838 4,666 65,741 116,663 171,598 60,079 14,199 99,446 12,590 41,113 62,839 18,078 6,278 30,801 3,720 17,863 22,202 7,260 1,329 11,282 7,581 7,512 3,061 1,200 1,500 <t< td=""><td>127, 727 386,900 425,003 171,090 127,090 332,553 88,008 2,000 15,204 44,950 4,360 6,390 7,901 45 325 1,164 5,654 8,490 2,578 1,093 37,776 77,511 118,223 31,525 9,520 32,360 29,219 16,118 48,583 59,094 10,875 9,520 32,360 20,037 250 2,000 300 20 20,007 300 20,007 12,123 36,824 48,880 15,662 5,920 17,395 8,901 5,546 28,902 32,049 11,336 4,042 10,489 6,512 15,635 30,408 37,482 10,745 5,452 24,562 2,413 2,015 6,345 9,325 2,799 838 4,606 1,180 65,741 116,663 171,598 60,079 14,109 99,446 10,138 12,590 41,113 62,832 27,077 3,575 46,610 4,552 2</td><td>$\begin{array}{c ccccccccccccccccccccccccccccccccccc$</td><td>$\begin{array}{c ccccccccccccccccccccccccccccccccccc$</td><td>127, 727</td><td>$\begin{array}{c ccccccccccccccccccccccccccccccccccc$</td></t<>	127, 727 386,900 425,003 171,090 127,090 332,553 88,008 2,000 15,204 44,950 4,360 6,390 7,901 45 325 1,164 5,654 8,490 2,578 1,093 37,776 77,511 118,223 31,525 9,520 32,360 29,219 16,118 48,583 59,094 10,875 9,520 32,360 20,037 250 2,000 300 20 20,007 300 20,007 12,123 36,824 48,880 15,662 5,920 17,395 8,901 5,546 28,902 32,049 11,336 4,042 10,489 6,512 15,635 30,408 37,482 10,745 5,452 24,562 2,413 2,015 6,345 9,325 2,799 838 4,606 1,180 65,741 116,663 171,598 60,079 14,109 99,446 10,138 12,590 41,113 62,832 27,077 3,575 46,610 4,552 2	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	127, 727	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$

TABLE 4.-VALUE OF ALL CROPS AND PRINCIPAL CLASSES THEREOF, AND

•	.	THE STATE.	Adams.	Arapahoe.	Archuleta.	Baca.	Bent.	Boulde
VALUE OF ALL CROPS					•] 		
Total	lollars	50,974,958	1,388,685	683,744	188,893	186,045	718, 412	2,093,
ereals	lollars	14, 787, 519 725, 866	656,098 1,029	224,088 6,228	55, 645 740	50,539 1,397	157,764 16,647	926, 1,
Iay and forage Truits and nuts	iollars	17, 282, 276	414, 945	344,904	111,049	79,589	334, 107	607
egetables	dollars	6, 058, 939 5, 078, 978	196, 513 46, 504	76,745 23,526	19,738 701	6, 126 354	32,809 9,210	87 149
ll other crops	iollars	7,041,380	73, 596	8, 253	1,025	48,040	167, 875	321
SELECTED CROPS (acres and quantity) Jereals:								
Total	uishels	1,057,905 22,322,328	39, 635 902, 829	14,089 312,566	4,344 89,150	7,215 72,666	8,781 229,573	36, 1,160
Corna	oushels	326,559 4,903,304	11,340	6,929	288	467	844	2
Oatsa	cres	275,948	187, 263 6, 483	129,574 2,236	6,428 3,582	3,851 38	9,515 2,407	50 5
Wheat	mshelsl	7,642,855 340,729	185,094 18,763	64,620 4,159	74,534 407	470 453	80,484 3,842	197 23
, i i i i i i i i i i i i i i i i i i i	msbels.	7, 224, 057	455, 675	100,337	6, 885	3,419	. 96,828	$7\frac{20}{41}$
Emmer and spelt	ores oushels	15,523 324,713	152 2,767	1,632		288 2,700	483 11,466	1
Barleya	cres	71,411	2,563	345	57	2,700	706	5
Ryc	oushels	1,889,342 15,715	67,368 231	11,731 314	1, 103 10	5	23,759	168
	mishels I	198,025	3,589	4,352	200	51		
Kafir corn and milo maize	oushels	11, 971 139, 234	103 1,073	13 220		5,964 62,175	499 7,521	· · · · · · · ·
Other grains and seeds: Dry peas	cres	24, 230		5	6	,		
	oushels	258, 281 5, 040	83	95 267	85 7	20	12	
1	nushels	53,926	377	1,582	179	92	122	
Flaxseed	ores oushels	2,887 13,462						• • • • • • • •
fav and forage:		· ·						
Totala	ons	1,285,064 2,241,566	28, 011 55, 018	17,179 41,915	7,979 12,681	12,561 15,220	27, 485 51, 078	34 79
All tame or cultivated grasses	cres	709,772	18,828	9,900	5,095	218	26, 507 49, 424	28
Timothy alone	ons	1,579,901 51,505	45,682 262	28,723 112	9,427 1,645	395	49,424	69 1
	ane	82,482	405	235	2,305			î
	one l	45,001 84,636	147 316	180 447	262 585			
Clover alonea	cres	1,418	90	134	5		50	
Alfaliaa	ons	3,695 508,892	380 17,790	362 8,856	10 1,355	210	150 26, 205	26
Millet or Hungarian grass	ons	1,265,915 30,926	43, 841 332	26,609	2,920	387	48,902	66
	ons	35, 263	549	385 686	10	8	32 42	
Other tame or cultivated grassesa	ons	72,030 107,910	207 191	233 384	1,826 3,597		220 330	
Wild, salt, or prairie grassesa	cres	394,799	7,009	4,772	1,978	30	365	5
Grains cut green	ons	368, 408 75, 033	5,979 439	4,728 325	1,895 902	32 20	455	6
Coarse forage t	one l	94, 260 101, 721	584 1,720	416 2, 177	1,344	50 12, 293	613	
t t	ons	156, 547	2, 669	7,933	15	14,743	1,199	
Potatoes		85,839	260	138	137	6		
All other vegetables	bushels	11, 780, 674 32, 443	22, 225 1, 978	6,453 1,034	21,506 58	235 142	365	58
All other vegetables		108,082	1,349	78		142	2,742	4
Broom corn	tons	1,231,71 2 5,631	13, 206	245		3,805	31, 287	57
	pounds	1, 187, 791				813,635		
Orchard fruits:								
Totalt	seedada l	2,947,920 4,565,849	46, 420 51, 997	43,766 26,508	1, 195 440	1,311	22,041	75 153
Apples		4,565,849 1,688,425 8,559,094 793,372	27,010	29.438	1, 115	226	7,620 10,490	153 61 148
Peaches and nectarines.	bushels	793,372	47,392 177	26,027 31	400	8 402	$7,068 \\ 3,241$	148
Pears		092,208	14				2	
		99, 989 132, 536	82 19	160 15	26 10	272	396	
Plums and prunes.		143, 921 81, 539	5.432	3,708	22 20	239	5,682	7
Cherries	rees	203,806	3,440 13,715	10,405	32	162	324 2,136	2 5
Apricots	bushels	88, 937 16, 841	1,130	221 24	10	5	224 26	1
1	oushels	11,403	2	-î				• • • • • • • •
Grapes	vines	254, 292	25	63	135	209	1,263	12
Small fruits; Total		1,037,614	200			910	2, 190	184
zuiti	icres	2,829 4,294,988	80 670	22 447	(1)	3	7	a
Strawberries	icres	1,326	89,679 28	33,447 7	(1) 114	3,532	3,764 2	373
Raspberries and loganberries	quarts	1,674,923	52, 616 10	12, 195 22	250		2,020	116
· · · · · · · · · · · · · · · · · · ·	quarts	1,650,785	22, 453	19, 262	(1)		• • • • • • • • • • • • • • • • • • •	176
Nutst		3,667	4					
I	oounds	7,796						

TABLE 5.—SELECTED FARM EXPENSES

				0. 0	14011310 1	11,10111, 1321	11 131113130
Labor Farms reporting Cash expended dollars Rent and board furnished dollars Fertilizer Farms reporting Amount expended dollars Feed Farms reporting dollars Amount expended dollars Receipts from sale of feedable crops dollars	8,770,753 2,047,712 560 61,113 19,545	631 253,004 57,653 18 925 632 235,545 164,981	412 166, 422 60, 625 13 2, 342 446 162, 112 68, 371	114 27, 072 7, 239 54 5, 277 28, 245	194 53,179 16,686 1 50 244 31,271 3,429	300 156,418 39,580 3 160 331 178,300 109,738	751 253,830 55,851 16 1,620 603 144,551 136,029

ACREAGE AND PRODUCTION OF PRINCIPAL CROPS, BY COUNTIES: 1909.

	Chaffee.	Cheyenne.	Clear Creek.	Conejos.	Costilla.	Custer.	Delta.	Denver.	Dolores.	Douglas.	Eagle.	El Paso.
1 2 3 4 5 6 7	257, 305 68, 982 26, 299 100, 778 26, 061 9, 452 16, 733	198,616 92,334 3,317 76,904 24,937 123 1,001	31,521 1,800 14,675 0,743 32 5,271	942, 598 384, 514 136, 356 355, 882 50, 817 2, 090 3, 939	248,842 75,379 60,116 102,235 10,549 406 157	268,089 61,516 1,144 108,960 21,090 1,728 13,051	2,241,847 102,260 4,716 591,721 149,915 1,143,370 159,865	372, 199 6, 647 4, 709 9, 858 117, 289 9, 862 223, 744	17, 249 2, 761 420 12, 414 1, 654	447,576 204,788 1,772 203,144 14,282 16,536 7,054	525,346 142,679 22 273,576 105,201 2,973 895	980, 605 273, 838 8, 456 374, 584 155, 531 10, 276 157, 970
8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	3, 576 91, 061 2, 054 69, 208 810 19, 501 103 2, 202	9,799 149,908 5,738 91,229 485 12,280 2,931 35,724 1332 3,300 287 4,920 40 520 180 1,924	303 3,803 300 3,733 2 60	23,220 528,041 6 7,09 11,445 286,280 0,620 183,844 2,149 57,829	6,523 95,640 54 563 2,652 46,034 2,612 30,757 1,203 12,274	5,488 104,886 104,886 9,870 3,666 78,091 003 8,188 120 453 7,735 19 202	8,017 253,065 861 22,091 3,967 156,167 2,973 71,266 35 290 93 2,791 5 85 85 82 370	486 8,307 48 687 205 2,185 193 4,435	3,884 3,884 9 360 74 3,140 5 140	19,955 334,676 5,624 108,584 7,356 116,778 5,113 85,545 37 490 445 6,293 1,380 17,075	5,394 234,720 8 15 4,164 104,263 723 19,286 3 0 479 20,356 17 750	36, 897 510, 486 14, 464 229, 495 15, 889 218, 821 3, 932 38, 252 8, 163 1, 823 21, 822 21, 825
24 25 26 27 28 29	1,200 22,363	33 240 141 754		7, 795 92, 088 93 796	4,349 45,653 220 1,613	27 633	6 125 8 308			5 76	2 11	15 198 258 • 1,750
30 31 32 33 34 35 36 37 38	5,401 10,141 3,901 8,091 382 545 723 1,330	8,171 12,404 2,116 2,659	625 1,008 250 370 233 355 17 24	49,034 42,981 3,339 5,459 1 1 26 52	8,992 9,617 4,248 5,570 60 62 50 250	15,405 16,583 3,162 4,777 761 1,096 64 69 15 1,155 1,387 2,546	21, 354 71, 783 20, 475 69, 245 104 519 105 275	444 1,121 423 1,071	706 1,220 515 954 110 161	14,566 24,381 8,440 16,137 403 655 1,465 1,813	14, 139 28, 467 13, 500 27, 762 2, 673 4, 907 2, 789 6, 082 175 828 0, 594 13, 387	32,522 39,125 13,208 19,978 467 792 1,060 1,373
31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 40 50 51	25 2,840 6,172 	157 230 1,582 1,974 377 455 1,263 1,933 50 4,731 7,727	102 130 273 499	3,020 5,160 283 246 36,516 21,669 0,159 15,753	980 2,210 3,140 3,042 4,593 3,758 151 289	935 1,051 10,478 10,312 1,681 1,450 84	4 19,776 67,458 76 234 322 755 248 334 414 498 120	423 1,071 1,071	259 476 77 96 114 170	4, 050 10, 944 284 360 1, 629 2, 365 2, 467 2, 029 1, 625 1, 657 2, 031 4, 513	828 0, 594 13, 387 1, 359 2, 558 351 336 108 309	5, 290 12, 007 4, 966 4, 149 1, 515 1, 657 12, 294 11, 816 4, 418 3, 475 6, 999 8, 637
52 53 54 55 56 57	272 44,171 54	7,727 312 22,359 128	5,615 41	1,123 127,743 54 1	240 20,270 4	44 363 38,958 43	1, 191 172, 823 573 2,046 31,294	9 537 242 40 731	1,565 3	217 11,861 101 4 72	1, 232 246, 464 50	5,518 310,695 412 12 111 11 95
58 50 60 61 62 63	11, 031 10, 175 10, 519 10, 124	14,350 618 69 107 6 12		5,650 1,505 5,012 823 8	87 168 66 126	4,779 2,524 4,112 2,455 100	787, 229 1, 107, 623 365, 368 727, 122 378, 895 351, 865 9, 510	3, 819 16, 442 2, 305 15, 020 343		24, 341 26, 358 20, 217 25, 368	1,571 1,117 1,032 863	95 10, 974 11, 615 8, 841 10, 913 25 20
64 65 66 67 68 69 70 71 72	105 189 12 184 24 22 15	370 55 117 8 8		43 594 634 2 2 2 14 1 20 2	8 19 10 10 3 3 13	58 30 216 4 320 7 1	351, 865 9, 510 6, 300 21, 181 14, 170 6, 577 4, 537 5, 610 3, 583	1,200 3 219 83 859 139		16 21 783 85 3,325 886	89 29 108 25 250 168 92	20 9 4 1, 105 222 986 455
73 74 75 76 77 78 79	10 7,210 (1) 20	(1) 106	(1) 325	3,204	*	1 691 1 170	15, 111 90, 260 86 117, 563 36 56, 909	11 15,630 2,590		12 25,794 (1)	13, 400 3 12, 938 (1)	10 6,057 3 600 1 650
80 81 82	3, 100	10 20	(1) 325			100	41,006 74 925	7,550			100	650

AND RECEIPTS, BY COUNTIES: 1909.

1 2 3 4 5 6 7	148 34, 203 15, 041 10 228 103 24, 333	260 36, 226	2,365 20 3,459	869 205 26,515	157 37, 263 3, 846 2 250 91 14, 589	153 39,799 17,998 17,998 9,75 93	956 474,628 41,308 5 163 692 100,838	125 104,576 17,543 46 13,432 122 118,151	1,387	243 64, 220 29, 727 218 57, 977 20, 209	152 86, 699 36, 868 93 39, 109 64, 387	260,056 62,690 14 3,450 563 153,449
7 8	24, 333 39, 520	36, 226 8, 513	3, 459 2, 454			9,724 69,378	100, 838 105, 922	118, 151 830	572 1,076	57, 977 20, 209	39, 109 64, 387	121,899

TABLE 4.—VALUE OF ALL CROPS AND PRINCIPAL CLASSES THEREOF, AND

		Elbert.	Fremont.	Garfield.	Gilpin.	Grand.	Gunnison.	Hinsdale.	Huerfan
VALUE OF ALL CROPS									
Total dereals d	ו סיימוות	697,653 338,574	830,989 32,441	1,370,481 199,395	44, 162 18	281, 103 9, 230	397,123 24,638	27, 160 75	333,
Velson one-ing and seeds	1 - 3 x	5,081	32,441 2,694	3,917			28		42, 12,
Tay and forago d Gegetables d	lollars	286,874 56,215	230, 845 80, 106 472, 834	591,364 360,262	27,393 8,188	246,536 17,663	339,655 30,154	23, 318 3, 485	246.
Fruits and nuts		234 10,675	472,834 12,049	172,069 43,474	8,563	7,564	244 2,404	12 270	22, 7, . 2,
SELECTED CROPS (acres and quantity)						.,,,,,,,,			- 2,
Totalac		41,874	2,329	8,790	2 45	488	1,099	.2	2,
Cornac	res	600, 788 20, 243	47,798 1,158	279,979 238	45	12,795	27, 760	40	67,
Oatsbr	ushels	823,174 10,126	20,531 693	5,700 4,684	. 	390	778		10, 1,
Wheat bu	rahola 1	150, 167	18,848 324	178,849	30	11, 135	20,430 60		43,
bu	nahala l	8,765 97,568	3,888	3,453 85,955		100	1,041	.	7,
Emmer and spelt ac	naholo l	313 5.091	(t) 2						
Barleyac	res	5,091 117	$14\tilde{2}$	292	1	67	261	2	
Ryeac	ushels cres	1,623 2,152	4,179	7,902 123	15	1,200 23	6,289	40	6,
Kafir corn and milo maizebu		21, 194 158	12	1,573		360			
bu	ushels	1,971	350				• • • • • • • • • • • • • • • • • • • •	••••••	
Dry peasac	res	2 22	18 310		. 		(¹) _		
Dry edible beans	PAG	195	88	26			b		1,
Flaxseed, bu	ushels	1,470 112	919	351	· • • • • • • • • • • • • • • • • • • •				1,
bu	ushels	591							
Totalac		26,042	9,929	23,217	1,541	22,940	30,727	1,505	15,
All tame or cultivated grasses	ns	83,523 8,326	21,378 6,880	69,802 22,404	1,641 239	28, 208 20, 952	39,814 18,158	1, 793 646	29,
to	ns	13,366	17,292	68,334	250	25,164	25, 479	998	13, 27,
Timothy aloneac	ns	178 240	267 44 1	1,021 1,927	62 85	1,899 2,596	2,523 3,470	275 425	1,
Timothy and clover mixedac	res	242 292	94 128	349 951	65 70	407	4,015	341	
Clover aloneac	res	40	36	4	70	752 11	5,111 165	543	1,
Alfalfaac	ns	60 5,125	48 6,342	10 18, 419		22 87	200 959		8,
	ng	9.765	16,321	58,550		207	1,949		19,
to	ns	2,286 2,591	. 60	18 31	,	3 5	500 500		
Other tame or cultivated grassesac	res ns	455 418	119 294	2,593 6,865	112 95	18,545 21,582	9, 996	30 30	3,
Wild, salt, or prairie grassesac	res	7.802	1,415	381	283	1.345	14,240 12,181 13,648	804	5, 1,
Grains out greenac	ns	7, 134 2, 605	1,899 1,345	467 395	217 1,017	1,900 493	13,648 388	65 7 55	1,
Coarse forage	ns	2,605 2,815 2,727 5,526	1,666 287	623 12	1,171	834 150	687	138	
to:	ns	5,526	493	81	• • • • • • • • • • • • • • • • • • • •	250	•••••		
Potatoesac	res	3,020	195	4, 165	99	149	417	37	,
All other vegetablesac Sugar beetsac	ishels	199, 870 56	15,407 409	911,559 378	6,815 37	20,915 101	43, 147 67	3,306	10,
· +o-	I	8 83		507					
Broom cornac	res	2	• • • • • • • • • • • • • • • • • • • •	7,453			• • • • • • • • • • • • • • • • • • •		
FRUITS AND NUTS	ounds	450							
Orchard fruits: Total tre	899	1,233	159,583	142,926		23	673		
bu	ishels	129	429, 225	168,729		1	61		9, 5,
hi	ees Ishels	272 95	129,985 403,242	99, 483 131, 953		20 1	187 24		8, 5,
Peaches and nectarines	11-		403, 242 2, 749 1, 854 1, 279	21,662 19,497			450		٠,
Pearstre	ees		1,279	2,889		······································	32 7	· · · · · · · · · · · · · · · · · · ·	• • • • • • • • •
Plums and prunestre	ees	95	321	2,432 10,548		•••••	io		
Cherries bu			6,004 2,232 19,441	7,512			. 4		
Apricots bu	-10-10-	. 34	21,566	5,845 4,306		1	13 1		
			100 10	2,495 3,028			Ĝ		
Grapesvi	nes		136,884	1,724					
Small fruite:	ounds		302,600	18, 410	••••••				1,
Totalac		. 1	338	50		(2)	1	(2)	
Strawberries qu		954 (2)	694,473 110	60,300 19		(2) 450	1, 518	⁽²⁾ 130	2,
	I	55	328,949	29,811	• • • • • • • • • • • • • • • • • • • •	400	$^{1,268}_{(^2)}$		(2)
	arts	(²) 12	110 144,297	17 18,642			(²) 150		(2)
Nutstro	ees		8	8	,,,,,,		*00		
··	ounds								

¹ Less than 1 acre.

TABLE 5.—SELECTED FARM EXPENSES

Labor Farms reporting. Cash expended dollars. Rent and board furnished dollars. Fertilizer Farms reporting. Amount expended dollars. Feed Farms reporting. Amount expended dollars. Receipts from sale of feedable crops.	377 93,346 21,370 1 25 332 88,152 39,932	494 134, 689 21, 859 31 2, 365 445 71, 521 29, 468	000 250, 804 88, 737 9 534 393 69, 036 160, 053	29 5,400 3,060 1 500 38 9,627 4,866	158 61,758 20,949 174 31,431 37,090	205 83, 809 36, 923 712 172 29, 498 74, 244	19 8,792 821 	207 63,367 25,204 3 246 171 27,733 49,601
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² Reported in fractions of an acre.

ACREAGE AND PRODUCTION OF PRINCIPAL CROPS, BY COUNTIES: 1909—Continued.

Jackson.	Jefferson.	Kiowa.	Kit Carson.	La Plata.	Lake.	Larimer.	Las Animas.	Lincoln.	Logan.	Mesa.	Mineral.	Monte- zuma.
326, 631 4, 790 214, 190 314, 190 7, 172 18 250	3,055 444,543 290,253 304,104	114,557 43,348 719 59,403 8,447 31 2,609	700, 515 477, 249 7, 784 156, 815 57, 110 167 1, 390	782, 079 283, 584 4, 286 364, 381 85, 780 27, 958 16, 090	72,447 50 69,099 1,993	3, 401, 749 896, 057 8, 105 823, 482 163, 637 193, 907 1, 316, 581	499, 947 49, 685 42, 279 313, 743 46, 094 5, 157 42, 989	426, 949 201, 847 11, 639 106, 335 32, 033 164 14, 931	1, 174, 282 425, 763 18, 481 352, 595 60, 434 1, 658 315, 351	3,034,837 208,525 11,872 777,264 230,542 1,733,163 73,471	46, 065 921 40, 127 3, 050 57 1, 910	522, 415 185, 602 1, 316 216, 796 51, 568 51, 081 16, 052
194 4,173 104 1,94 230	463, 363 1, 329 30, 106 7, 832 185, 269 9, 099 219, 492 236 5, 601	5, 235 65, 640 2, 900 36, 806 27 410 631 5, 378 157 2, 100	65,740 803,225 32,009 388,029 2,210 46,008 23,499 247,899 7,472 7,017	13, 706 366, 234 366 8, 847 7, 986 251, 136 4, 834 94, 098	2 50 2 50	46, 464 1, 333, 027 2, 305 48, 292 17, 173 514, 533 19, 866 580, 258 438 8, 882 6, 503	4,545 81,777 1,860 26,559 2,146 46,816 211 3,303 2 8	29,108 493,663 14,993 258,232 4,217 82,231 6,083 84,918 10,337 2,100 43,417	40, 383 741, 851 19, 575 315, 194 5, 604 177, 093 11, 119 171, 726 2, 229 43, 513 1, 179	8,042 235,724 2,126 54,072 3,527 120,519 2,069 53,509	33 927 33 927	8, 29- 247, 74 50: 12, 65: 4, 46: 146, 85: 3, 24: 86, 20
7,86 1,86	16,968	147 1,557 26 203 1,347 19,186	7,017 109,171 110 1,440 498 3,206	470 11, 109 39 630		179,847 119 1,215	2, 146 10 125 155 2, 820	9,052 452 5,476	24, 625 647 9, 335 30 365	6,844 43 479 8 102		1,87 12 5
	5 100 5 67	(1) 2 ·1 1 (1) 2	(1) 58 391 374 1,819	6 116 163 1,428		82 1,285 277 2,266	289 1,583 915 12,348	5 11 31 214 1,972 8,970	8 78 164 509	99 2,131		29 29
65, 24 72, 42 4, 73 5, 98 3, 42 4, 52	50, 322 20, 995 4 44, 183 5 1, 191 1, 708 1 510	8,967 11,056 411 - 716	23, 455 29, 310 4, 902 6, 077 20 20	16,660 36,779 15,073 34,252 1,796 3,492 2,189	6,258 5,068 464 437 394 320	61,018 109,792 44,966 90,307 907 1,318 707	16, 697 31, 918 13, 173 27, 195 1, 314 1, 563 658	11,096 11,868 2,229 2,921 8 12	34,814 53,250 12,533 28,971	26,490 83,570 24,656 80,730 473 732 52 108	3, 434 3, 263 167 213 147 193	9,50 20,90 8,30 18,84 1,08 1,08
	1 965 - 74 - 142 - 18,801 - 40,597 - 64	185 455 226 261	607 1,218 4,191 4,742	4,912 166 279 9,437 22,475 24 26 1,471 3,068 5,506 4,168 288 486	52	1,098 13 43 42,933 87,415 230 243	886 52 173 9,894 23,023 84 131 1,171 1,419	545 915 1,606 1,946 70	11,590 27,951 828 945 115	29 61 23,842 79,344 74 67	20 20	6,7 15,8 1
1,30 1,46 3 60,41 7 66,28 3 10	3 1,714 9 1,703 1 3,206	1,310 629 128 117 7,088	84 97 3,725 3,443 302 295 14,526	1,471 3,068 5,506 4,168 288 463 22 57	40 65 550 802 1,014 1,663	176 190 13,094 12,603 2,188 3,346 680 2,309	1, 171 1, 419 1, 129 1, 077 2, 603 2, 816 392 830	70 48 7,716 7,283 109 116 1,042 1,544	18, 175 18, 175 16, 090 622 531 3, 476 7, 378	418 504 608 869 926 457 1,244	3,193 2,941 74 109	1, 4
5	3 527 6 45,850 6 2,221 8 103	9, 294 136 4, 654 66 309 40, 490	19,495 969 68,118 523 5 49 14 3,500	864 108, 965 300	1 69 11	1,986 198,506 1,043 22,771 248,010	181 17,831 461 122 763	820 67,526 61 9 91 207 34,600	994 82, 227 227 5, 352 62, 740 12 5, 000	2,156 261,144 1,090 1,160 12,204	4,609 2	107,5
00	121, 873 234, 667 81, 270 207, 796 278	403	1,445 92 168 22	12,784 23,540 10,053 20,362		137, 522 218, 832 87, 358 196, 742	4,409 6,884 3,822	294 103 99 50	3,471 1,338 871 870 13	786, 592 1, 403, 690 347, 137 980, 273 330, 718	ł	32,' 40, 26, 35, 3, 2,
8 4	278 90 86 324 15,589 14,970 24,633 11,487	122 10 19	712 57 396 6	82 53 902 1,128 686 848 949 903		1,391 1,000 322 118 9,907 9,238 - 38,534 11,717	741 299 768 768 146 42	154 522 36 1	15 1 2,395	286, 992 77, 532 117, 470 11, 930 10, 933 10, 734 6, 136 4, 412 1, 862		2,6 1,5 1,1
3	7,876 61,084	24		246 26 300		285 6,748	. 65	130	5	42,657 184,740		1, 9,
5 (2) 1 (2)	1,744,239 80 665,834 303		(2) 100	18,604		567, 954 21 42, 353	582	(2) 54 (2) 20	(2) 946 (2) 400	175 197, 803 85 140, 472	878	9, 4,
9 0 12 12	303 790, 428)		7,251		394, 176 155 3, 056	3 3	-		8,832 72 116	48	

AND RECEIPTS, BY COUNTIES: 1909—Continued.

5	153 126, 642 44, 673 120 108, 233 73, 620	818 276, 237 86, 451 161 16, 650 867 209, 880 140, 075	232 22,738 5,756 290 42,449 13,237	648 76,830 20,448 1 30 846 109,739 48,169	97,601 35,359 8 418 182 25,117 142,225	20, 256 9, 152 1 5, 50 21, 313 37, 462	1, 123 612, 339 92, 726 11 790 979 297, 089 242, 049	461 145,053 53,169 52 3,685 610 100,457 96,780	322 67,982 24,529 1 5 402 58,489 11,704	397 159, 479 24, 453 1 300 365 56,077 73,039	1,388 449,869 101,427 16 1,491 1,298 206,313 183,730	25 18,398 9,447 2 520 21 4,152 1,480	260 58, 047 15, 351 1 120 221 32, 277 78, 239
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TABLE 4.—VALUE OF ALL CROPS AND PRINCIPAL CLASSES THEREOF, AND ACREAGE

]	Montrose.	Morgan.	Otero.	Ouray.	Park.	Phillips.	Pitkin.	Prowers.	Pueb
VALUE OF ALL CROPS										-
Total	llars	1,585,289	1, 220, 433	2,634,626	257, 790		507, 581	292,521	1,148,432	877
Cereals do Other grains and seeds do	llars	285, 993 5, 968	306, 255 3, 932	305, 866 36, 119	70, 880 220	2,106	507,581 420,792	79,369	245, 990	126
Hay and foragedo	llars	609, 320	363, 249	874,092	147,117	339,324	6,330 62,030	80 147,644	41,399	10
Yegotablesdo	llars	262,901	96,589	352,300	28, 453	13,807	18,101	59, 203	573, 345 39, 239	445 102
Other grains and seeds. do Hay and forage. do Vegetables. do Fruits and nuts. do All other crops. do	llars.	359,502 61,605	2, 274 448, 134	205, 817 860, 432	5,178 5,942		100 228	1,860 4,365	3,287 245,172	47 144
SELECTED CROPS (acres and quantity)	-						=====	1,000	240,112	149
Totalaer		10,601 367,060	20,534	18,833 589,988	2,482		45,821	8,215	15,698	11
Cornaer	cs	733	533,847 7,460	1,893	85, 498	2,837	775, 606 23, 266	118,595	398,380 1,258	205
Oatsaen	shels	17,965 6,310	137, 769 4, 423	45,319 12,489	7 000	450	424,335		19,772	100
Wheatbus		240,449	139,573	435,238	1,806 67,626	125 1,901	4,040 84,129	2,486 97,201	5,398 174,727	79
		3,323 102,725	3,063	3,684	598	2	14,000	494	5,006	1
Emmer and speltacr	es	12	64, 264 429	91,915 25	16,365	20	199,003 3,157	16,458	116,024 2,201	19
Barleyacr	hels	280 221	12,858	1,145			51,392	101	80,360	
		5,591	5,016 177,537	431 11,850	1,507	29 437	188 3,688	205	115	
icyeaor	es	. 2	68	21	1	. 1 2	1,158	4,188 27	4,786 43	. 4
Kaur corn and milo maizeacr	69	50	1,195 65	744 290		29	12,699 12	647	835	
			556	3,777					1,677 21,876	
Dry peasacr		12	1	4	2	1		,	6	
Dry edible beansbus		219	3	43	40			40	52	
		13 420	66 350	755 7,335					20	_ ا
Flaxseedbus									158	5
Hay and forage: Totalaor		•••••	• • • • • • • • • • • • • • • • • • • •			• • • • • • • • • • • • • • • • • • • •		• • • • • • • • • • • • • • • • • • • •		
		26, 382 78, 405	29,585	41,913	8,568	38,509	8,093	7,809	41,976	23
All tame or cultivated grassesacr	·es	24,819	52,845 19,384	124, 391 38, 270	15,430 6,621	29,921 209	10, 613	16,246	94, 020	60
Timothy alonetor		75,768	41,792	111,239	12,813	209	2, 845 3, 430	7,137 15,052	31, 250 75, 498	17 42
		816 1,554			701 1,141	89		2,234		1
Timothy and clover mixed		1,214			2,711			4,362 671		1
Clover aloneacr	es	2,482 4		2	4,427 35			1,529		
		15		5	96			10 24		
		22,442 70,945	18,794 41,039	38,075 110,989	3,082 6,993		103	2,358	30,912	15
Millet or Hungarian grasstor		18	515	178			2,712 3,256	5, 420	74, 991 218	30
Other tame or cultivated grassesacr	es	70 325	683 75	233 15	92	120	3,256 30	1,864	445 120	
Wild, salt, or prairie grassesacr	18	702 555	70	12	162	120	35	3,717	62	
		838	7,109 6,267	750 458	1,059 1,596	36,875 27,837	1,402 1,266	12 22	2,657	2,
Grains cut green		893 1,413	400	500	1 888	1,343 1,733	271	542	2,983	2
Coarse forageacr	es	103	415 2,691	402 1,668	1,021	1,733	312	903	4	
Special evens. ton	ıs	211	4,365	1,668 3,828		134	3,575 5,605	113 229	7,250 8,431	1, 1,
Potatoesacre	BS	3,086	1,164	10	189	249	.		5, 102	_
	hels	600,938	139,040	734	39,458	21,640	23,732	1,075 225,934	254	2
Sugar Deetsacre	35	450 1,010	390 7,337	3,795 13,880	66 20	26	78	60	910	
Broom corntons		11,745	89,768	171,648			•••••	• • • • • • • • • • • • •	5,520 47,753	22 22
	nds		6,306	24 2,550				• • • • • • • • • • • •	348	
Orchard fruits:	=		0,000	برن وم مارون وم		•••••	• • • • • • • • • • • • •		21,450	
Totaltree	s	185.072	5,513	160,992						
Applesbus	hels	303,578		192,464	2,826 2,343		576 36	2,391	83,967	56,
bus	hels	141,901 264,769	1,282 1,113 544	113,917	2,110		47	1,171 2,154	2,105 17,615	55 ,
reaches and nectarines +roo	a	25,317 25,065	208	177,595 7,269	1,942 224		6 2	1,159 2	1,686	51,
Pears bus tree	nels	25,065 2,112		250	10		î l		6,781	1,
Plums and prunesbus.	hels	1,875	6	711 21	160 22		• • • • • • • • • • • • • • • • • • • •	16	441	
in the production of the produ	s hels	9,798 5,485	2,593	6,570	180		360	80	5,090	3,
Cherries bus tree	s	3,069	648 1,580	1, 248 32, 155	221 43		26 167	1	334	
Apricotstree	hels	4,094 2,753	. 90	13,300	70		3	93 10	2,801 81	10, 4,
busi	hels	2,753	1	368 50	109 78			43	216 216	,
Grapesvine	38	7,146	050				i	1	2	• • • • • •
Come 11 double . Doub	nds	45,061	356 50	13,300 103,654	• • • • • • • • • • •		····· .		5,078	6,
Totalacre	s	59		· '					6,970	18,
Strawberriesqua	rts	105, 811	2,487	29 31, 241	15 970		(2) 406	2 2	3	
acre	s rts	49	1	6	9			5,216	3,299	18,
reaspherries and logarborriesacre	s	94, 286	(2) 647	5,000	12, 130		10	4,976	2,330	6,
qua	rts	374	200	3, 120			(2) 24	(²)	•••••	1,
Nutstree	s						-	•	********	1,
nou				50 500	••••••		.	••••••	2	
pou.										

TABLE 5.—SELECTED FARM EXPENSES

										ر دو استدار به ۱ بد استد
6 7	Labor. Farms reporting Cash expended	47,347 7 553	362 167,565 30,282 3 74* 313 84,040 145,485	928 425,058 52,987 11 940 771 250,746 303,390	103 34, 464 14, 478 67 17, 568 65, 399	133 99,470 50,328 145 29,320 108,677	162 29,960 11,219 117 16,464 61,176	133 63,150 24,102 3 85 78 16,531 70,195	491 197,746 56,373 4 415 543 180,558 169,468	533 161,616 48,196 15 445 508 124,795 131,415
						L.			į.	ľ

AND PRODUCTION OF PRINCIPAL CROPS, BY COUNTIES: 1909—Continued.

	Rio Blanco.	Rio Grande.	Routt.	Saguache.	San Juan.	San Miguel.	Sedgwick.	Summit.	Teller.	Washington.	Weld.	Yuma,	Indian res.
1 2 3 4 5 6 7	416,079 120,725 2,454 273,173 17,062 1,860 805	1,409,044 616,658 148,950 331,408 306,373 1,245 4,320	970, 586 319, 411 4, 564 566, 927 69, 892 8, 770 1, 022	684, 198 349, 800 9, 915 288, 601 33, 685 1, 170 1, 027		174, 048 47, 752 110, 341 13, 044 1, 894 1, 017	625, 829 277, 946 5, 941 109, 041 122, 048 350 110, 503	79,412 .7,791 63,054 8,277 90 200	153, 546 4, 474 98, 863 23, 905 5 26, 299	616,986 328,580 5,496 199,008 44,853 879 38,110	7, 256, 601 2, 361, 487 27, 202 1, 278, 183 1, 662, 984 40, 037 1, 886 708	1,369,341 1,110,502 7,461 185,521 51,744 394 13,719	
8 9 10 11 12 13 14 15 16 17 18 19 221 222	4,844 185,790 3,233 141,459 1,216 37,348 96 2,424 209 4,559	34,757 841,890 20 400 19,106 402,534 11,689 276,617 3,885 71,350 52 889	15, 989 467, 475 85 2, 658 12, 470 375, 482 1, 427 36, 339 625 1, 032 24, 843 950 17, 528	20,713 474,891 12,840 313,906 6,327 133,639 1,545 27,326 1		เ ดอก	25, 613 509, 354 509, 354 1,470 223, 142 2,708 6,458 115,526 2,184 47,952 4,952 4,952 34,763 2,207 34,763 80 1,200	380 9,359 153 5,947 11 318 180 2,784 16 310	105 5,344 103 5,290 2 2 54	41,280 576,150 20,307 200,459 5,989 112,430 11,458 133,716 1,977 47,007 608 6,151	118, 172 3, 393, 185 18, 392 299, 350 20, 335 856, 544 1, 628, 022 19, 060 10, 002 577, 037 9, 432 175	135, 993 1, 775, 427 85, 208 980, 718 4, 729 111, 589 41, 099 580, 539 416 8, 312 4, 062 87, 356 451 6, 585 37	
23 24 25 26 27 28 29	1 10	9,153 75,101 205 5,037	2 50	509 5,499			1, 200 81 599			(1) (2) 3 91 674 30 118	3,134 442 10,388 409 4,211 6 25	(1) 19 76	
30 31 32 33 34 35 36 37 38	21, 302 45, 464 16, 668 38, 692 2, 413 4, 766 2, 955 7, 542	29, 669 32, 748 3, 023 5, 167 452 461 860 809	57, 996 105, 307 41, 619 82, 283 14, 880 25, 303 15, 331 32, 507	36, 557 37, 302 5, 992 8, 942 770 894 116 144		6,297 12,226 3,014 7,482 768 1,078		5,917 6,582 4,215 4,915 1,046 1,257 2,590 3,054	6,186 7,043 401 694 38 65 4	25,930 26,892 3,661 5,495	88,529 168,214 05,232 144,759 5 15	27, 895 36, 391 6, 119 8, 787	
40 41 42 48 44	7,542 7 28 5,825 15,680 2 2 2 5,466	5 8 1,775 3,431	66 183 4,943 12,014	2,779 4,399		2, 129 6, 079	3,644 7,928 903 1,212 30	10 20 52 90 14 15	83 173 13 12 203	3, 592 2, 039 1, 856 63	145 305 62,892 142,273 1,812 1,740 378		
45 46 47 48 49 50	10, 674 3, 068 4, 090 1, 346 2, 496 220 185	458 13, 671 15, 871 12, 374 11, 708	6, 399 11, 676 12, 498 16, 273 3, 877 6, 745	2, 327 3, 505 29, 449 27, 013 1, 116 1, 347		325 80 105 3, 203 4, 639	40 6,603 4,455 182 450 798 2,026	505 1,346 1,116 356 525	439 1,371 1,578 4,414 4,771	14,119 9,129	426 19,679 18,133 1,220 1,226 2,370 3,599	8,347 8,443 509 437 12,920 18,724	
52 53 54 55 56 57 58	130 22,293 61 1 7	5,162 932,153 128 3 40	117,766 211 3 32	333 51,298 62 (1) 5		54 13,210 59	3,306 299,755 174 1,999 22,832	63 7,048 24 4 33	404 34,433 47	46,133	38,658 5,857,691 11,038 34,682 301,827 125 62,500	1,007 51,678 180 12 144 705 182,865	
59 60 61 62 63 64	1,140 1,033 982 983	341 851 334 851 7	312 511 230 347 30 112	596 689 555 533		1,290 2,868 1,242 2,806	1,036 158 108 12 12		25 5 25 6	345 179	29,004 52,341 19,329 40,506 400 1,151	2,342 87 643 21 504 23 47	
60 61 62 63 64 65 66 67 71 72	15 4 97 37 45 9		12 14 22 20 12 6 6	140		17 15 14 13 4 1 13 33	491 112 419 34			. 1,225 233 355 14 35 35	361 39 5,664 3,577 3,239 1,008	464 13 596 24 31 6	
73 74 75 76 77 78 79	4,009 1 520	809	711 63,054 607 53,300			(²)	(s) 376 (s) 132	(2) 451 (2) 451		71 402 1 2,380 (2)	34 10 20 21, 373 10 6, 810	175 25 2 1,627 1	
79 80 81 82	020	1 235	62 4,760	1,015						(2) 60	3,705 3,199 2,000		

AND RECEIPTS, BY COUNTIES: 1909-Continued.

1 2 3 4 5 6 7 8	195 91, 483 27, 481 1 100 131 34, 467 63, 762	359 150, 319 36, 738 3 189 250 50, 395 201, 695	484 221, 105 58, 191 264 91, 653 142, 669	101,018 17,963 1 50 187 25,977	14 6,881	228 81,555 19,300 204 38,429 43,316	52 11, 293 3, 477 3 59 58 5, 946 10, 695	95 27,730 9,029 136 39,336 20,661	492 68, 469 19, 941 506 75, 121 49, 869	2,321 1,435,701 232,676 38 5,897 1,746 441,553 345,171	26,742 352 53,385	
8	63,762	201,695	142,669		 52, 553	43,316	10,695	26,661	49,869	345,171	93,940	

TABLE 6.—NUMBER AND VALUE OF DOMESTIC ANIMALS NOT ON FARMS, BY COUNTIES: APRIL 15, 1910.

		THE STATE.	Adams.	Arapahoe.	Archuleta.	Baca.	Bent.	Boulder.	Chaffee.	Cheyenne.	Clear Creek.
1 2	Inclosures reporting domestic animals Value of domestic animalsdollars Cattle:	21, 245 7, 255, 060	161 120,635	318 80, 968	54 56, 484	15 6,000		1,267 516,031		30 10,080	285 69, 565
3 4 5	Total numberdollars Valuedollars Number of dairy cows	30, 498 1, 392, 350 11, 772	131 4, 425 79	16, 772 313	2, 280 43	23 585 17	2,528	4,611 239,911 1,016	5,862	1,555	604 15, 767 276
6 7 8	Horses: Total numberdollars Valuedollars Number of mature horses	48, 129 5, 157, 786 47, 055	407 45, 465 396	598 55, 815 580	310 53,790 306	58 5, 110 55	18,855	2, 408 254, 219 2, 335	58,015	7,355	458 50,600 456
9 10 11	Mules and asses and burros: Total number. Valuedollars Number of mature mules	4,686 531,151	31 4,710 80	51 7,728 47	215 2	300		131 16, 987 86	63 4,050	13 1, 125	99 2,515 24
12 13	Swine: Total number Value. Cheep and goats:	3, 194 13, 957 125, 227	7, 864 66, 022	54 549	1	1	8	398 4,816	53		77 650
14 15	Sheep and goats: Total numberdollars	12, 481 48, 546	2 13	17 104			. 3	25 98			8 33
		Conejos.	Costilla.	Custer.	Delta.	Denver.	Dolores.	Douglas.	Eagle.	El Paso.	Elbert.
1 2	Inclosures reporting domestic animalsdollarsdollarsdollars	334 90, 949	85 43, 173	24 5,820	535 164, 369	4,077 1,323,492	30 9, 192	48 11,922	19,760	1, 190 329, 7 <i>5</i> 8	41 11,446
3 4 5	Total numberdollarsNumber of dairy cows	712 18,902 313	130 3,437 70	1,150 29	515 21, 482 327	1,676 74,756 1,134	173 4,557 35	3,370 63	1, 428 29	33,057 524	1,501 29
6 7 8	Horses: Total numberdollars Valuedollars Number of mature horses	1 1	325 27,862 311	51 4,440 49	1,056 137,414 997	10,742 1,171,494 10, 6 91	56 3,590 54	. 8,275 101	170 18,300 161	2,555 276,110 2,514	91 9,375 89
9 10 11	Mules and asses and burros: Total numberdollars Valuedollars Number of mature mules	1 1	91 11,486 89	19 156	35 4,616 24	400 65,408 354	18 1,040 9	2 85 1	1 6	361 17,560 90	550 4
12 13	Swine: Total number Valuedollars Sheep and goats:	l i	37 316	11 74	66 847	541 10,785	1 5	32 177		106 1,088	1 20
· 14	Total numberdollars	644 2,983	28 72		2 10	141 1,049		1 15	5 26	462 1,943	
		Fremont.	Garfield.	Gilpin.	Grand.	Gunnison.	Hinsdale.	Huerfano.	Jackson.	Jefferson.	Kiowa.
$\frac{1}{2}$	Inclosures reporting domestic animals Value of domestic animalsdollars Cattle:	1 1	183 65,531	189 39, 304	34 15, 764	164 54,570	71 10,736	221 76,598	50 34, 135	244 93, 522	27 9, 503
. 3 4 5	Total number	15,364 303	105 4,305 76	235 7, 164 152	1, 180 22	6,041 103	1,630 34	8,974 179	1,390 5	232 8,517 192	2,330 88
6 7 8	Total number		56, 262 490	296 28, 785 296	137 14, 490 133	464 45,560 432	128 8, 230 121	594 41, 135 553	270 31, 780 256	769 74, 752 765	57 5,995 52
9 10 11	Mules and asses and burros: Total number Valuedollars. Number of mature mules	93 6,337 33	4,910 25	62 1, 185 8	3 30	2, 860 20	77 825 4	168 25, 555 165	950 6	96 9,825 57	11 1, 125 0
12 13	Swine: Total number Value	1 1	2 50	14 116	5 64	7 84	4 41	12 99	1 15	42 375	10 53
14 15	Total number	12 41	1 4	789 2,054		6 25	10	382 835		9 53	
		Kit Carson.	La Plata.	Lake.	Larimer.	Las Animas.	Lincoln.	Logan.	Mesa.	Mineral.	Monte- zuma.
1 2	Cattle:	. 35, 233	287 135, 336	491 95, 951	1, 374 427, 257	768 253, 607	1 150	254 219,031	780 259, 083	110 22,647	79 28,002
3 4 5	Valuedollars. Number of dairy cows Horses:	2,886	801 20,905 260	9,304 162	1, 155 47, 123 703	808 34, 034 488		1,363 22,559 189	1,925 74,080 284	4,232 80	87 8, 525 55
6 7 8	Total number	250 27,890 237	91, 987 731	824 85, 870 820	2, 787 320, 653 2, 720	1, 613 122, 287 1, 577	150 1	1,211 156,365 1,194	1,501 172,564 1,446	177 17,850 173	204 23,900 202
9 10 11	Valuedollars, Number of mature mules	. 15 2,875 8	117 7,975 60	30 314	48, 278 299	582 82, 492 570		38,640 218	126 11,756 86	28 413 2	487 487
12 13	Valuedollars.	1,579	165 1, 297	70 463	513 4, 171	247 2, 435		189 1,467	116 648	8 152	14 80
14 15	Total number	1 3	3, 617 13, 172		1,406 7,032	3, 167 12, 359			9 35		3 10

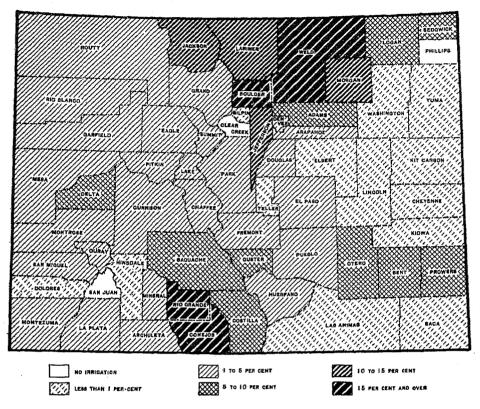
TABLE 6.—NUMBER AND VALUE OF DOMESTIC ANIMALS NOT ON FARMS, BY COUNTIES: APRIL 15, 1910—Continued.

		Montrose,	Morgan.	Otero.	Ouray.	Pai	·k,	Phillip	os. Pitkin.	Prowers	Pueblo.	Rio Blanco.	Rio Grande.
1 2	Inclosures reporting domestic animals . Value of domestic animals dollars	389 126,650	358 129,713	734 472, 503	73 50,388	9	20 746	24,0	46 083 27,15	176,59	5 332, 428	48 13,700	324 74, 628
3 4 5	Total number	340 13,493 231	350 18,051 287	4,525 334,586 432	27 1,084 21	1	, 416 28	3,3	96 308 4,57 83	62,92	9 41,157	39 1,625 33	7,571 163
6 7 8	Horses: Total number Value dollars Number of mature horses	942 102,414 894	753 94,071 739	$\substack{1,196\\126,061\\1,175}$	323 41,530 310	8	94 8, 085 88	19,	167 22 780 22,07 167 21	7 98, 3	8 274,762	154 12,070 140	567 64,355 548
9 10 11	Mules and asses and burros: Total number. Valuedollars Number of mature mules	92 10,372 35	109 16,572 107	$_{4,756}^{28}$	104 7,705 58	1	22 245 1	4	$\begin{bmatrix} 3 \\ 450 \\ 2 \end{bmatrix} \qquad \begin{bmatrix} 1 \\ 36 \end{bmatrix}$	9,81	31 130 12 13,552 86 86		20 2,352 19
12 13	Swine: Total number. Valuedollars Sheep and goats:	61 341	66 981	859 7,011	6 45			Į	54 2 545 11		370 36 2, 781		. 55 324
14 15	Total numberdollars	8 30	4 38	15 89	24 24				2	3 1,5			10 26
Ī		Routt.	Saguach	e. San Ju	an. San I	figuel.	Sedgy	wick.	Summit.	Teller.	Washing- ton.	Weld.	Yuma,
1 2	Inclosures reporting domestic animalsdollarsdollarsdo	161 68,634		21 19 46	70 880	45 33,525	6	90 1, 261	82 27, 224	427 111,515	49 12,840	1,135 438,938	41 14,826
3 4 5	Total number. Valuedollars. Number of dairy cows.	191 6,847 103	7,0	53 40 75	204 689 109	6,535 34	. :	2,455 51	3, 299 82	26, 296 377	1, 601 33	1,965 105,375 564	38 1,555 35
0 7 8	Total number	566 59,749 537	39,1	11 82 92	242 220 241	172 18,140 170	5	470 6, 985 466	195 23,565 192	747 83, 437 730	11, 153 87	2,408 282,754 2,334	113 12, 275 109
9 10 11	Mules and asses and burros: Total number	13 1,865 12	2,0	30 98 10	231 950 115	8,780 61		1,200 9	19 285	1,482		250 47,390 238	8 855 4
12 13	Swine: Total number Valuedollars Sheep and goats:	11 151		14		7 70		35 566	₽ 45	$\begin{array}{c} 21 \\ 235 \end{array}$	9 86	324 3,400	26 141
14 15	Sheep and goats: Total numberdollars	. 5 22		54 98	5 21			6 55	10 30	3 65		8 19	

PER CENT OF TOTAL LAND AREA IRRIGATED, AND PER CENT OF NUMBER OF FARMS IRRIGATED, IN COLORADO, BY COUNTIES: 1909.

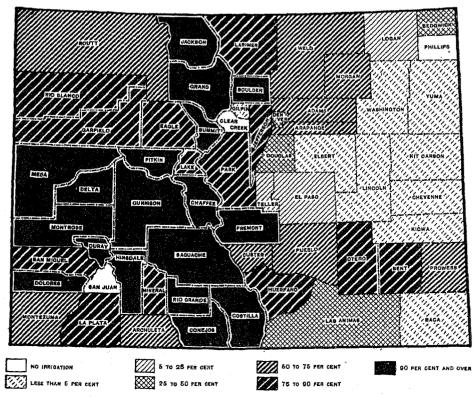
PER CENT OF TOTAL LAND AREA IRRIGATED.

[Per cent for the state, 4.2.]



PER CENT OF NUMBER OF FARMS IRRIGATED.

[Per cent for the state, 56.]



COLORADO.

FARMS AND ACREAGE IRRIGATED.

The irrigated area of Colorado in 1909 was the largest reported for any of the states in the arid region. Irrigation is practiced generally throughout the state, only three counties, Clear Creek, Phillips, and San Juan, having no land under irrigation in that year. The eastern two-fifths of the state, which lies in the Great Plains section, is principally devoted to grazing and dry farming, except the lands in the valleys of the Arkansas and South Platte Rivers, extending from the mountains to the eastern boundary, which include the largest irrigated area in the state. The western and mountainous portion of Colorado contains numerous fertile valleys, in which irrigation has also been extensively developed. In this section irrigation is generally an essential factor in agriculture, but in portions of the eastern counties there is sufficient rainfall in most seasons for the successful growing of some crops without irrigation. The location of the irrigated lands of the state is indicated in a general way by the maps on the opposite page, in which the different counties are graphically classified according to the percentage which irrigated land forms of their total land area and the percentage which irrigated farms represent of all farms.

The following table shows, for the state as a whole, the number of farms and acreage irrigated in 1909, in comparison with the total number of farms, the total land area, the total land in farms, and the total acreage of improved land in farms in 1910, together with the areas not yet irrigated for which water has been or is being made available. Comparative statistics for the census of 1900 are included as far as possible. The figures as to farms and acreage irrigated in 1899 do not include statistics for Indian reservations, which were not shown in the irrigation report for Colorado for that year, and therefore they are not strictly comparable with the figures for the total number of farms and total farm acreage reported in 1900, as shown in this table, or with the statistics for farms and acreage irrigated in 1909. Since, however, irrigated farms and land on reservations formed only small proportions of the corresponding totals for the state in 1909, comparisons are but little affected by the omission in the Twelfth Census report.

	CENSU	s or—	INCREAS	1E.1
•	1910	1900	Amount.	Per cent,
Number of all farms.	² 46, 170	3 24, 700	21, 470	86.9
Approximate land area of the stateacres	66, 341, 120	66, 341, 120	,	00.0
approximate tand area of the state	² 13, 532, 113	³ 9, 474, 588	4, 057, 525	42.8
Land in farmsacres		* 2, 273, 968	2, 028, 133	89.
Improved land in farmsacres	² 4, 302, 101	" 4, 413, 908	2,020,100	00.
Vumber of forms irrigated	4 25, 857	5 17, 613	8, 244	46.
Number of farms irrigated	4 2, 792, 032	5 1, 611, 271	1, 180, 761	73.
Acreage enterprises were capable of irrigating.	83, 990, 166	1 ' ' ' ' ' ' ' ' ' ' ' '		
A crosco included in projects	6 5, 917, 457			
Acreage included in projects	0,017,107	\ \ \ \		
Number of all farms	56.0	71.3	-15.3	ì
		2.4		
Approximate land area of the state		17.0	3.6	
Land in farms			-6.0	
Improved land in farms	64. 9	70.9	-0.0	
Excess of acreage enterprises were capable of irrigating in 1910	7 700 701			
over acreage irrigated in 1909	1, 198, 134			
Excess of acreage included in projects over acreage irrigated in 1909	3, 125, 425		-,	

1 A minus sign (-) denotes decrease.

² April 15.

³June 1.

4In 1909.

⁶ In 1890, exclusive of Indian reservations.

July 1. 7

⁷ Not reported.

Number of farms irrigated.—The number of farms irrigated is made up of the number reported on the supplemental schedules by the regular enumerators, together with an estimate of the number of farms covered by enterprises which were reported by special agents but not by the regular enumerators. This estimate was based upon the average acreage irrigated per farm shown by the supplemental schedules.

According to the figures presented in the table, irrigation was practiced on more than one-half (56 per cent) of the farms in the state in 1909. In 1899 the proportion of irrigated farms was much higher (71.3 per cent), while in 1889 it was 58.9 per cent. It is apparent that in the 10 years from 1889 to 1899 the number of irrigated farms increased more rapidly than the number on which irrigation was not practiced.

In the later decade, however, owing largely to the marked advance of dry farming in the eastern part of the state, the rate of increase in the number of unirrigated farms was about four times as great as that in the number of irrigated farms.

In 41 out of the 60 counties of the state more than half the farms are irrigated. The proportion is between 40 and 50 per cent in 1 county, between 30 and 40 per cent in 3, 20 per cent in 1, between 10 and 20 per cent in 2, and less than 10 per cent in 9. No irrigation was reported in 1909 for the remaining three counties. The counties in which more than half the farms are irrigated are all in the western three-fifths of the state, with the exception of those in the valley of the Arkansas River, which form a row extending eastward across the state, and four counties which

form a group in the northern part in the valley of the South Platte River. The counties having low percentages, with the exception of Gilpin County, are in the eastern section of the state, as is one of the three counties from which no irrigation was reported. Rio Grande County shows the highest proportion of irrigated farms, 99.6 per cent, but in 17 other counties more than 90 per cent of the farms are irrigated.

From 1899 to 1909 the increase in the number of farms irrigated for the state as a whole was 46.8 per cent. Of the 48 counties in which irrigation was practiced that did not undergo any change of area during the 10 years, 35 show increases, varying greatly in degree, while 13 show decreases. Of the latter group, 7 counties are in the "dry farm" section, while the other 6 are scattered through the mountainous portion of the state. In the territory constituting Adams, Arapahoe, Denver, Washington, and Yuma Counties in 1910, and Arapahoe, Washington, and Yuma Counties in 1900, there was an increase of 13.4 per cent, and in that comprising Jackson and Larimer Counties in 1910 and Larimer County in 1900, an increase of 31.7 per cent, while the combined area of Jefferson and Park Counties showed an increase of 42.3 per cent.

Acreage irrigated.—The acreage irrigated is taken from the special schedules filled out by agents from information obtained from owners or officials of irrigation enterprises and, in some instances, from public records. The acreage thus obtained is considerably larger than the irrigated acreage reported on the supplemental schedules filled out by the farm enumerators. This difference is due in a measure to the fact that the special agents found enterprises which were not reported on any schedules returned by the enumerators, indicating that the acreage reported on the supplemental schedules is under the true figure. There is, however, a natural tendency for the officials of irrigation enterprises to report as irrigated the entire area of farms of which only a part was irrigated. Furthermore, some farms are so situated as to receive water from more than one enterprise, and may be reported as irrigated by each, which results in duplication. Owing to the two causes last enumerated, it is probable that the acreage irrigated as shown in this chapter is somewhat excessive, but the extent of this excess can not be determined. It is believed, however, to be less than 10 per cent for the state of Colorado.

The total acreage reported as irrigated in 1909 was 2,792,032 acres, as against 1,611,271 acres in 1899 and 890,735 acres in 1889. The percentage of increase from 1889 to 1899 was 80.9, while that from 1899 to 1909 was 73.3. The absolute increase shown for the later decade was the larger, however, 1,180,761 acres, compared with 720,536 acres in the earlier decade.

The percentage of increase between 1899 and 1909 in the acreage irrigated was considerably higher than the percentage of increase in the number of farms irrigated, the acreage irrigated per farm increasing from 91.5 in 1899 to 108 in 1909. As a decrease from 383.6 acres to 293.1 acres in the average size of the farms of the state was reported for the same period, it is probable that farmers are irrigating larger parts of their holdings than formerly. It is not possible, however, to determine how far this is actually the case as the higher average size shown for 1900 was due to a considerable extent to the inclusion of some large tracts of land used for grazing which in 1910 were not reported as farm land.

The percentage irrigated of the total land area of the state increased from 2.4 in 1899 to 4.2 in 1909, while the percentage of all land in farms which was under irrigation increased from 17 in 1899 to 20.6 in 1909. As a result of the rapid development of dry farming in recent years, however, there was a decrease in the percentage of the total improved land in farms which was under irrigation, from 70.9 in 1899 to 64.9 in 1909.

In both 1909 and 1899 the county for which the largest area of irrigated land was reported was Weld, with an irrigated acreage of 395,514 and 226,613 at the respective censuses. No other county had an area of irrigated land amounting to 200,000 acres in 1909, but in 7 others the land reported as irrigated exceeded 100,000 acres, while in 15 additional counties it exceeded 50,000 acres.

The county in which irrigated land formed the highest percentage of the total land area was Boulder, the proportion being 23.1 per cent. In three other counties, namely, Rio Grande, Conejos, and Weld, the percentage was over 15, and in 4 it was between 10 and 15.

Acreage included in projects.—The foregoing table shows that in 1910 existing enterprises were ready to supply water to 3,990,166 acres, or 1,198,134 acres more than were irrigated in 1909. It is probable that, after allowance is made for an increase in the area irrigated in 1910 over that in 1909, there remained at the close of 1910 under ditch, but not irrigated, almost as much land as was brought under irrigation in the 10 years from 1899 to 1909. The acreage included in projects exceeds the acreage irrigated in 1909 by 3,125,425 acres, which is more than two and one-half times the acreage brought under irrigation in the last decade. and somewhat more than the total area irrigated in 1909. This acreage represents the area which will be available for the extension of irrigation in the next few years upon the completion of existing enterprises and without new undertakings. It indicates in a general way the area available for settlement, although much of this unirrigated land is in farms already settled.

Acreage irrigated, classified by character of enterprise.—The next table gives the distribution of the acreage irrigated in 1909 according to the character of the enterprise controlling the irrigation works.

Irrigation districts, cooperative enterprises, and individual and partnership enterprises are all controlled by the water users. These supplied about 94 per cent

of the acreage irrigated in 1909, while United States Reclamation Service and Carey Act enterprises, which are to be turned over to the water users, supplied 0.6 per cent of the acreage irrigated. Thus less than 6 per cent of the irrigated land is supplied by works which are not either controlled by the water users or to be turned over to them ultimately.

	ACREAGE IN 190	
CHARACTER OF ENTERPRISE.	Amount.	Per cent distribu- tion.
All classes. U. S. Reclamation Service. U. S. Indian Service. Carey Act enterprises. Irrigation districts. Cooperative enterprises. Commercial enterprises. Individual and partnership enterprises.	16,600 1,020 485 115,304 1,273,141	100. 0 0. 6 (1) (1) 4. 1 45. 6 5. 7 43. 9

¹ Less than one-tenth of 1 per cent.

Acreage irrigated, classified by source of water supply.—The table following shows the distribution of the acreage irrigated in 1909 according to the source from which the water supply for irrigation is obtained:

	ACREAGE IR IN 190			
SOURCE OF WATER SUFFLY.	Amount.	Per cent distribu- tion.		
All sources . Streams . Lakes . Wells . Springs . Reservoirs .	1,056	100.0 98.8 (1) 0.3 0.3 0.6		

1 Less than one-tenth of 1 per cent,

From this table it is apparent that up to the present time there has been comparatively little development of any source of water supply other than streams.

IRRIGATION WORKS.

The following statement summarizes the data collected relating to works for supplying water for irrigation in 1910:

Independent enterprises	number	9,065
Ditches, total length	miles	22,570
Main ditches		8,405
Length	miles	17,564
Capacity	cubic feet per second	148, 483
Lateral ditches	number	5,612
Length	miles	5,006
Reservoirs	number	1,084
Capacity	acre-feet	2,646,593
Flowing wells		313
Capacity		41,989
Pumped wells	number	121
Capacity	gallons per minute	53,564
Pumping plants		206
Engine capacity		7,969
Pump capacity	gallons per minute	296,937

The only figures available for comparison from the earlier census are those for the number of systems (1,890), outside of Indian reservations, that received water from streams by gravity diversion in 1899, and the length of main ditches reported for these systems (7,374 miles). As compared with the latter figure, the length of main ditches reported in 1910 represents an increase of 10,190, or 138.2 per cent, which, however, is somewhat higher than the actual increase, owing to the fact that the figure for 1910

covers Indian reservations and enterprises receiving water from sources other than streams.

Assuming that the enterprises in operation in 1909 were identical with those reported in 1910, the average number of acres irrigated per enterprise in 1909 was 308, and the acreage irrigated per mile of main ditch was 159. For the 1,890 irrigation systems that, in 1899, received water from streams by gravity diversion, the average acreage irrigated per enterprise in that year was 849 and the acreage irrigated per mile of main ditch was 218.

In certain sections of the state, considerable attention is being given to the utilization of underground water for irrigation. The statement above shows 313 flowing wells and 121 wells pumped for irrigation, which watered altogether 8,282 acres in 1909. Of the flowing wells, which irrigated 5,171 acres, more than one-third were in Conejos County, but Fremont, Saguache, Rio Grande, and El Paso Counties each reported a considerable number. The pumped wells are scattered generally over the state, and no county, except Weld, with 47, showed a large number. The water pumped for irrigation is, however, for the most part taken from streams.

COST OF CONSTRUCTION, OPERATION, AND MAINTENANCE.

The table following shows the total cost of irrigation enterprises up to July 1, 1910, including construction of works and acquisition of rights but not operation and maintenance, with the average cost per acre, based on the acreage the enterprises were capable of irrigating in 1910; the estimated final cost of enterprises completed and enterprises now under construction, with the average cost per acre, based on the acreage included in projects; and the total cost and average cost per acre of operation and maintenance in 1909. Data relating to the cost of construction and maintenance of systems operated in 1899 are included

for comparison. The figure for average cost per acre of operation and maintenance in 1899 does not cover the cost for systems receiving water from wells, which supplied 7,058 acres in that year. Indian reservations, as previously stated, are not covered by the figures from the earlier census.

The cost of operation and maintenance is not reported for individual and partnership enterprises, for the reason that farmers whose land is irrigated by such systems generally clean their own ditches at odd times without keeping any record of the time spent. In the case of the larger enterprises this cost repre-

sents a cash outlay by the farmers, while in the case of many of the smaller cooperative enterprises the cost is worked out by the farmers.

	CENSU	8 of—	INCREAS	E.
	1910	1900	Amount.	Per cent.
Cost of irrigation enterprises Average per acre Estimated final cost of existing	1 \$56,636,443 8 \$14.19	2 \$11,758,703 4 \$7.30	\$44,877,740 (6)	381.7
enterprises	\$76, 443, 239 \$12.92	(6)		
Operation and maintenance; Acreage for which cost is reported	1,401,670 7 \$1,046,268 \$0.75	(6) (6) 8 \$ 0.34	\$0.41	120, 6

Reported July 1.
Cost of construction of systems operated in 1899, exclusive of Indian reservations.
Based on acreage enterprises were capable of irrigating in 1910.
Based on acreage irrigated in 1899.
Figures not comparable. (See explanation in text.)

Not reported.

Figure relates only to systems obtaining water from streams, outside of Indian

The cost of irrigation systems shows the largest increase of any item included in the census of irrigation, 381.7 per cent, while the average cost per acre also shows a considerable increase. The figures shown for the average cost at the two censuses are not, however, strictly comparable. The average cost per acre shown for 1910 is based on the acreage under ditch in that year, but since the corresponding acreage for 1900 was not reported, the figure for average cost at the earlier census is based on the acreage irrigated in 1899. If computed on the basis of the acreage irrigated in 1909, the average cost in 1910 would be \$20.29, representing an increase of 177.9 per cent over the figure for the average cost at the census of 1900. The year 1899

was near the close of the period of private and cooperative construction, when most of the works were built by the water users themselves with little or no expenditure of money, and near the beginning of the present period of large-scale construction by corporations and the Federal Government. This later construction is not only on a more extensive scale but also more difficult and of a better type. Largely as a result of these changed conditions, the average cost per acre of irrigation has greatly increased. A number of large enterprises are under construction, upon which considerable expenditures have been made, while but little land is irrigated as yet. This condition tends to make the average cost shown higher than the true average. The average based on the estimated final cost and the acreage included in projects, \$12.92 per acre, probably more truly represents the average cost per acre of irrigation in Colorado.

The county showing the lowest average cost to July 1, 1910, \$1.38 per acre, is Jackson. The highest average cost per acre, \$51.73, is reported for Montrose County, where the unusual cost is due to the large expenditures made on works which were nearly complete July 1, 1910, but on that date were ready to supply with water only a part of the land to be irrigated ultimately.

The acreage for which cost of operation and maintenance in 1909 was reported constitutes 50.2 per cent of the total acreage reported as irrigated in 1909 and 89.5 per cent of the acreage reported as irrigated by other than individual and partnership enterprises. The cost reported can be said, therefore, to represent fairly the average annual expense for all but individual and partnership enterprises.

CROPS.

The following table shows the acreage, yield, and value of the principal crops reported as grown under | same crops reported for the entire state:

irrigation in 1909, in comparison with totals for the

		ACREAGE,			YIELD.		VALU	JE.
CROP.	Total for	Total for		Unit.	Total for	On	Total for	For
	state.	Amount.	Per cent of total.	Unit.	state.	irrigated land.	state.	irrigated land.
Cereals: Corn Oats	275 048	25, 705 192, 311	7.9 69.7	Bushels	4,903,304 7,642,855	567,151 6,235,979	\$2,673,584 4,177,267	\$370,400 3,458,308
Wheat Emmer and spelt Barley Rye.	18 522	174,116 3,771 48,775 898	51.1 24.3 68.3 5.7	Bushels Bushels Bushels Bushels	7,224,057 324,713 1,889,342 198,025	4,727,359 111,120 1,483,112 14,135	6,463,926 153,068 1,100,753 123,530	4,352,823 53,201 897,849 11,284
Other grains and seeds: Alfalfa seed. Dry edible beans. Dry peas.	F 040	4, 483 2, 504 15, 537	57.8 49.7 64.1	Bushels Bushels Bushels	18,040	9,628 32,444 199,945	137,212 128,767 397,540	83,070 90,652 282,095
Hay and forage: Timothy alone. Timothy and clover mixed. Clover alone. Alfalfa. Other tame or cultivated grasses 1. Wild, salt, or prairie grasses.	51,505 45,001 1,418 508,892	45, 029 24, 049 405 480, 586 52, 844	87. 4 53. 4 28. 6 94. 4 51. 3	Tons Tons Tons Tons Tons	82,482 84,636 3,695 1,265,915 143,173	76,660 47,007 888 1,222,790 95,119	746, 146 685, 164 29, 106 9, 709, 180 1, 131, 996	602,213 355,529 7,864 9,522,968 751,436
Grains out green Coarse forage. Sundry crops:	75,033 101,721	299, 755 48, 171 7, 767	75.9 64.2 7,6	Tons Tons	94, 260 156, 547	288,530 70,057 20,775	3,086,956 845,544 848,532	2,444,558 501,204 101,784
Potatocs. Sugar beets. Orchard fruits and grapes. Small fruits.	85,839 108,082 (2) 2,829	59, 221 106, 905 34, 763 2, 099	69. 0 98. 9 74. 2	Bushels Tons	1,231,712	8,408,915 1,224,466	3,704,768 6,061,152 4,670,818 398,836	2,889,789 6,055,382 4,426,286 379,979

¹ Includes millet or Hungarian grass.

Agricultural returns show number of trees and not acreage.

As previously stated, the data relating to irrigated crops are taken from supplemental schedules filled out by the regular census enumerators. Since the special agents found enterprises which the enumerators had not reported, it is evident that the information relating to irrigated crops is incomplete to some extent. It shows, however, the relative importance of the different irrigated crops, and is sufficiently complete to afford reliable averages of yields.

While small quantities of other crops are grown both on irrigated and unirrigated land, the leading crops of the state, as well as the leading crops grown under irrigation, are represented in the table. In the reports of the agricultural census the acreages of seed crops are not usually given, but since the growing of alfalfa seed is coming to be an important industry in the irrigated sections of the country, statistics for this crop are presented in the preceding table.

Acreage.—Of the entire acreage of the crops for which totals are presented in the table, slightly more than 60 per cent is irrigated, but the proportion irrigated varies widely for the different crops.

The cereals are generally grown without irrigation in the eastern counties, but for the state as a whole the irrigated acreage of the cereal crops given in the table represents 42.6 per cent of the total acreage shown for these crops. The highest percentage of acreage irrigated shown for any cereal, 69.7, is reported for oats, and the next highest, 68.3, for barley. For wheat and corn, which are the most important cereals in Colorado in respect to total acreage, the proportions are respectively 51.1 and 7.9 per cent.

The hay and forage crops are more generally irrigated than the cereals, the irrigated area of such crops given in the table forming 74.8 per cent of their total acreage. In the case of six of the eight hay and forage crops included in the table, more than half of the total acreage is irrigated. The irrigated alfalfa acreage forms 94.4 per cent of the entire acreage in that crop, and the irrigated acreage devoted to timothy alone forms 87.4 per cent of the total land in timothy. For "wild, salt, or prairie grasses," and for grains cut green, the corresponding percentages are 75.9 and 64.2, respectively.

Of the entire acreage in sugar beets 98.9 per cent is irrigated, and of that in potatoes, 69 per cent. The relative importance of the irrigated orchard acreage can not be determined, because the total acreage of orchards in the state was not reported, but it will be observed that more than 90 per cent of the value of all orchard fruits and grapes produced in the state represents that of products grown on irrigated land.

Of the crops shown in the table, alfalfa covers the largest irrigated acreage, representing 29.5 per cent of the total irrigated acreage of the crops given. The crop next in importance with respect to irrigated acreage is "wild, salt, or prairie grasses," with 18.4 per

cent of this total, followed by oats, with 11.8 per cent, and wheat, with 10.7 per cent. The percentage for sugar beets is 6.6. No other single crop covers as much as 4 per cent of the total acreage of irrigated crops presented in the table.

While most of the crops irrigated are well distributed geographically, there is a tendency toward the concentration of certain crops in particular localities. This is shown by the following statement, which gives the counties having the largest acreages of the principal irrigated crops, with the proportions which they contain of the total irrigated acreages of these crops in the state.

Corn.—Weld County, 14.5 per cent; Morgan, 10.5 per cent; Pueblo, 9.5 per cent; Mesa, 6.9 per cent.

Oats.—Weld County, 13.9 per cent; Rio Grande, 9.5 per cent; Larimer, 7.3 per cent; Otero, 6.3 per cent.

Wheat.—Weld County, 24.9 per cent; Boulder, 11.6 per cent; Adams, 7.5 per cent; Rio Grande, 7.2 per cent.

Emmer and spelt.—Prowers County, 51 per cent; Bent, 11 per cent; Morgan, 9.3 per cent; Logan, 9.2 per cent.

Barley.—Weld County, 31.8 per cent; Larimer, 10.7 per cent; Boulder, 10 per cent; Morgan, 9.5 per cent.

Alfalfa seed.—Prowers County, 37.2 per cent; Otero, 16 per cent; Logan, 15.8 per cent; Bent, 13.8 per cent.

Dry edible beans.—Otero County, 27.2 per cent; Las Animas, 26.5 per cent; Weld, 10 per cent; Costilla, 8.9 per cent.

Dry peas.—Conejos County, 43.1 per cent; Costilla, 25.1 per cent; Rio Grande, 17.1 per cent; Chaffee, 8.1 per cent.

Timothy alone.—Routt County, 30.3 per cent; Gunnison, 12.6 per cent; Ouray, 6.7 per cent; Jackson, 6.6 per cent.

Timothy and clover mixed.—Routt County, 44.5 per cent; Summit, 12 per cent; Gunnison, 11.7 per cent; Eagle, 7 per cent.

Alfalfa.—Weld County, 12.7 per cent; Larimer, 8.5 per cent; Otero, 7.8 per cent; Prowers, 6.6 per cent.

"Other tame or cultivated grasses."—Grand County, 24.4 per cent; Rio Blanco, 13.5 per cent; Gunnison, 11.9 per cent; Routt, 9.6 per cent.

"Wild, salt, or prairie grasses."—Jackson County, 21.2 per cent; Park, 12.2 per cent; Conejos, 11.7 per cent; Saguache, 9.6 per cent.

Grains cut green.—Rio Grande County, 35.9 per cent; Saguache, 19.8 per cent; Conejos, 16.5 per cent; Park, 1.9 per cent.

Coarse forage.—Prowers County, 23 per cent; Otero County, 17.3 per cent; Morgan, 12.9 per cent; Bent, 11.4 per cent.

Potatoes.—Weld County, 52.5 per cent; Rio Grande, 8.8 per cent; Garfield, 7 per cent; Montrose, 5.2 per cent.

Sugar beets.—Weld County, 31.2 per cent; Larimer, 20.4 per cent; Otero, 13.9 per cent; Morgan, 6.7 per cent.

Orchard fruits and grapes.—Mesa County, 30.3 per cent; Delta, 25.9 per cent; Montrose, 7.8 per cent; Otero, 6.1 per cent.

Small fruits.—Jefferson County, 34.4 per cent; Fremont, 16.1 per cent; Larimer, 10.7 per cent; Boulder, 8.4 per cent.

Of the irrigated acreage of orchards not bearing in 1909, amounting to 15,175 acres, 46.4 per cent was in Mesa County; 13.1 per cent in Delta County; 7.7 per cent in Montrose County; and 7.5 per cent in Fremont County.

Yield.—In the next table the average yields per acre of certain crops extensively grown, both with and without irrigation, are shown. The yields on unirrigated land are obtained by subtracting the totals for irrigated crops from the totals for the state.

For all the crops given in the table, except alfalfa seed, greater average yields on irrigated than on unirrigated land in 1909 were reported. The percentage of excess is greatest in the case of oats and next greatest in the case of dry peas.

Among the cereals shown the excess of the average yield under irrigation over that without irrigation ranges from 53.5 to 92.9 per cent. Of the hay and forage crops in the table, "timothy alone" shows the highest percentage of excess, 88.9, and timothy and clover mixed the lowest, 8.3.

In considering these comparisons it should be borne in mind that they are not comparisons of yields on irrigated and on unirrigated land in the same localities, but of yields under irrigation in localities where crops can not be grown to advantage without it with yields in localities where irrigation is not necessary. They do not indicate, therefore, the relative advantages of farming with and without irrigation in a given community, but rather give one factor for determining the relative advantages of farming where irrigation is necessary and where it is not necessary for the successful growing of crops.

	AVERAG	E YIELD PER	acre.		
		On irrigated land.			
CROP.	On unirrigated land.	Amount.	Per cent of excess over yield on unirrigated land,1		
Corn. bushels Oats. bushels Wheat bushels Emmer and spelt. bushels Barley. bushels Barley. bushels Dry edible beans. bushels Dry edible beans. bushels Timothy alone tons Timothy and clover mixed tons Alfalfa. tons Alfalfa. tons Other tame or cultivated grasses tons Wild, salt, or prairie grasses tons Grains out green tons Coarse forage tons Potatoes. bushels Sugar beets tons	17. 9 2. 0 8. 5 6. 7 0. 90 1. 80 1. 52 0. 96 0. 84 0. 90	22. 1 32. 4 27. 2 29. 5 30. 4 2. 1 13. 0 12. 9 1. 70 1. 95 2. 54 1. 80 0. 96 0. 1. 45 2. 67 142. 0	53. 5 92. 9 81. 3 62. 1 69. 8 — 10. 2 52. 9 92. 5 88. 9 8. 3 67. 1 14. 3 61. 1 85. 4		

 $^{^{\}rm 1}\,{\rm A}$ minus sign (—) indicates that the yield on irrigated land is less than that on unirrigated land.

COUNTY TABLE.

The next table gives in detail, by counties, the data summarized above, except those relating to crops. For purposes of comparison the total number of farms in the state, the approximate land area of the state, the total land in farms, and the improved land in farms have been included in the table.

Certain enterprises extend into more than one county, and in the case of some of these enterprises the reports do not segregate the data by counties. In such cases a distribution has been made according to the best estimates possible from all the information in the possession of the bureau. It is believed that these estimates are approximately correct.

Attention is directed to the fact that the totals for 1899 shown in this table do not cover Indian reservations, no report as to irrigation on reservations in Colorado having been made at the Twelfth Census. Since, however, the figures for the Thirteenth Census show that the irrigation operations conducted on reservations were unimportant relatively to those in the state as a whole, it is believed that this shortage is not of material consequence as concerns comparisons between the two censuses. For this reason the percentages of increase have been computed without attempt to estimate the extent of Indian Service irrigation in 1899 or without elimination from the 1909 and 1910 totals of figures representing irrigation on reservations.

Change of boundaries.—In comparing the data secured in 1910 with those from the census of 1900, the following changes in county boundaries should be considered: The organization of Adams and Denver Counties from parts of Arapahoe County in 1902; the annexation of parts of Adams and Arapahoe Counties to Washington and Yuma Counties in 1903; the annexation of part of Jefferson County to Park County in 1908; the annexation of a part of Denver County to Adams County in 1909; and the organization of Jackson County from part of Larimer County in 1909.

ACREAGE IRRIGATED, EXTENT AND COST OF IRRIGATION ENTERPRISES, AND COST OF OPERATION AND MAINTENANCE, BY COUNTIES: 1909 AND 1910.

[Comparative data for 1899 in italics.]

=	Į (vi	ambaram A C	lata for 1899 i	in italics.]						
		THE STATE	. Adams.	Arapa- hoe.1	Archu- leta.	Baca.	Bent,	Boulder	. Chaffee,	Cheyenne.
1 2 3 4 5	Number of all farms in 1910. Number of farms irrigated in 1909. Per cent of all farms Number of farms irrigated in 1899. Per cent of increase, 1899-1900. LAND AND FARM AREA	25,857	726 53. 5	948 493 52. 0 1, 158	73.0	1.5	87.3	1, 181 1, 118 94, 7 887 20, 0	92.2	0.1
6 7 8 9 10 11 12 13 14 15 16	Approximate land area	2 13, 532, 113 2 4, 302, 101 2, 792, 032	363, 785 109, 238 67, 339 8, 3 18, 5 61, 6 (1)	538,880 284,917 62,608 26,341 4.9 9.2 42,1 81,807 57,784	85,130 16,095 15,008 1.9 17.6 93.2 6,529 120.9 23,230	257,344 84,953 211 (4) 0.1 0.6 166 35.3 351	975, 360 168, 297 59, 919 59, 497 6. 1 35. 4 99. 3 55, 089 80. 1 69, 497 97, 781	488, 960 190, 922 113, 231 112, 724 23, 1 59, 0 90, 6 83, 766 34, 6 169, 040 172, 235	2.3 43.3 96.5 18,071 23.5 32,383	216, 210 75, 755 200 (1) 0. 1 0. 8 291
17 18 19 20 21 22 23 24 25	U. S. Reclamation Service, irrigated in 1909 Enterprises were capable of irrigating in 1910. Included in projects. U. S. Indian Service, irrigated in 1909 Enterprises were capable of irrigating in 1910. Included in projects. Carey Act enterprises, irrigated in 1909 Enterprises were capable of irrigating in 1910. Included in projects. Carey Act enterprises, irrigated in 1909 Enterprises were capable of irrigating in 1910. Included in projects.									4000
26 27 28 29 30 31	Irrigation districts, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. Cooperative enterprises, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects.	116,304 207,570 487,370 1,273,141 1,870,447 2,436,367	AR K10		-			Į.	1,400	
33 34 35 36 37	Commercial enterprises, irrigated in 1909 Enterprises were capable of irrigating in 1910. Included in projects. Individual and partnership enterprises, irrigated in 1909. Enterprises were capable of irrigating in 1910 Included in projects. ACREAGE IRRIGATED,	159, 457 292, 103 681, 687 1, 226, 025 1, 681, 941 2, 039, 533	24,320	13,684 21,102 42,324 6,694 8,251 8,816	10, 562 14, 227	351	4, 980	12,324 16,702 17,027 29,448 39,062 41,832		200 200 200 200
38 39 40 41 42 43	Classified by Source of Water Supply. Supplied from streams. By gravity. By pumping. Supplied from lakes. By gravity. By pumping.	2,758,283 2,745,035 13,248 1,056 422 634	66, 531 66, 531 20		13,778				ı	
44 45 46 47 48 49	Supplied from wells. Flowing By pumping. Supplied from springs Supplied from reservoirs Total acreage supplied by pumping.	8,282 5,171 3,111 8,320 16,001 16,003	176 123 53 612	252 20 232 135		21	300	••••••	715 8	
50 51 52 53 54 55	Independent enterprises number. Number in 1890 5 Per cent of increase, 1899-1910. Main ditches. number	9,065 1,890 379.6 8,405	89 70	62	130 135	8	50 52	270 205	203	ī
56 57 58 59 60 61 62 63	Length miles Length in 1890 s miles Per cent of increase, 1899-1910. cubic feet per second Laterals number Length miles Reservoirs number Capacity correct	17, 564 27, 874 148, 483 5, 612 5, 006 1, 084	3,453 18 26 81	2, 192 8 211 18	211 767 31 28 4	20	3,269 313 929 15	570 6, 256 49 73 69	311 1,486 39 29 2	8
64 65 66 67 68 69 70	Flowing wolls. Capacity. Pumped wells. Capacity. Pumping plants. Engine capacity. Pumping plants. Engine capacity. Correspondents. Co	2, 646, 593 313 41, 989 121 53, 564 206 7, 969 296, 937	38, 151 7 703 10 2, 097 10 35	796, 094 2 36 8 2, 425 9 145	627	2,882 50	131,842	30,220	5	
71 72 73	Cost of enterprises up to July 1, 1910 dollars. Cost in 18997 dollars. Per cent of increase, 1899-1910.	56,636,443 11,758,703 381.7	1,211,609	8, 375 745, 517	128	2,882	989, 211	200 837,060	54, 940	700
	A verage cost per acre irrigated in 18997 dollars. Estimated final cost of existing enterprises dollars. Average per acre included in projects dollars. OPERATION AND MAINTENANCE	14.19 ² 7.30 76,443,239 12.92	14.81 1,417,109 13.75	20.71 745,517 12.90	4.83 112,168 4.52	7.05 2,473 2.58	14.23 989,211 10.12	4.95 901,143 5.23	1.70 54,949 1.29	3.50 700 3.50
78 79 80 81 82	Acreage for which cost is reported. Potal cost reported. Average per acre for which cost is reported. Average cost per acre in 1899 5. Per cent of increase, 1899-1909. dollars.	1, 401, 670 1, 046, 268 0. 75 20. 34 120. 6	58, 421 25, 225 0. 43	15, 412 21, 415 1, 39	809		54, 517 22, 315 0. 41	80, 952 34, 200 0. 42	1,400 400 0,29	
81 82	A verage cost per acre in 1899 5. dollars Per cont of increase, 1899-1909.	20.34 .	0,45	1.09	0.24		0.41	0.42	0.29	•••••

1 Change of boundary. (See explanation at close of text.)
2 Includes figures for Clear Creek, Phillips, and San Juan Counties, from which no irrigation was reported in 1909.
3 Decrease. Less than one-tenth of 1 per cent. Not reported by counties. Figure relates only to systems obtaining water from streams. Not reported. Total cost for state includes \$190,666, representing cost of well systems, which was not reported by counties.

IRRIGATION—COLORADO.

ACREAGE IRRIGATED, EXTENT AND COST OF IRRIGATION ENTERPRISES, AND

[Comparative data for 1899 in italies.]

umber of all farms in 1910. umber of farms irrigated in 1909 Per cent of all farms. Number of farms trigated in 1899. Per cent of increase, 1899-1909. LAND AND FARM AREA pproximate land area. pproximate land area. pproved land in farms. per cent of increase, 1899-1909. Per cent of ind land area. Per cent of improved land in farms. Per cent of improved land in farms. Per cent of improved land in farms. Acreage trigated in 1909. preage enterprises were capable of irrigating in 1910. creage included in projects. S. Reclamation Service, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. S. Indian Service, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. arey Act enterprises, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. rigation districts, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. rigation districts, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. rigation districts, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. rigation districts, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. cooperative enterprises, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects.	400 6,000 22,480 47,200 158,548 213,218	387 350 90. 4 316 11. 1 1,133,440 150,368 114,612 67,882 5,1 16. 1 36. 3 60. 5 60,290 16. 1 106,745 255,485 10,234 28,671 2		600			418 157 37. 6 184, 800 342,018 48,393 13,768 2. 5 4. 0 28. 6 7,962 72. 9 24,024 25,405	248 87.9 188 10.0 1,036,800 (22,809) 25,401 22,578 2,2 35.9 88.9 18,486 22.1 28,110 32,025	1, 285 174 13. 5 180 2 3. 3 1, 357, 440 728, 445 148, 597 21, 354 1 6 2. 9 14. 4 18, 151 62. 6 28, 214 41, 438
LAND AND FARM AREA pproximate land area	891, 520 188, 1520 131, 1916 138, 788 15. 6 73. 6 \$ 105. 2 93, 430 40. 9 202, 040 335, 253	1,133,440 150,368 114,612 57,882 5.1 36.3 50.5 60,290 16.1 100,745 255,485	478,080 90,709 27,080 29,248 6 1 32,2 3 108.0 11,183 161.5 33,610	768, 640 142, 193 62, 604 62, 411 8, 1 43, 9 99, 7 55, \$219 77, 2 99, 185 174, 830 2, 000 2, 000 2, 000	37, 120 2, 763 2, 209 1, 337 3, 6 48, 4 60, 5 (1)	667, 520 5, 578 1, 136 1, 139 0, 2 20, 4 \$ 100, 3 \$ 855 33, 2 2, 042 2, 052	540, 800 342, 018 48, 303 13, 768 2. 5 4. 0 28. 5 7, 962 72. 9 24, 624 25, 405	1,036,800 62,809 25,401 22,578 2,2 35.9 88.9 18,486 22.1 28,116 32,925	1, 357, 440 728, 445 148, 557 21, 354 1. 6 2. 9 14. 4 15, 151 62. 6 28, 214 41, 438
and in farms	73. 6 105. 98,486 40. 9 202,203 335,283 40. 9 202,203 335,283 400 6,000 22,480 47,200 158,548 213,218	159, 366 114, 612 67, 882 5. 1 36. 3 50. 5 50, 290 16. 1 106, 745 255, 485	32. 2 \$108. 0 11, 188 101. 5 33, 610 34, 610	142,193 62,604 62,411 8.1 43.9 99.7 55,£19 77.2 99,185 174,830	48. 4 60. 5 (1) 1,338 1,338	5,578 1,136 1,139 0,2 20.4 \$100.3 \$65 33.2 2,042 2,052	48,393 13,768 2.5 4.0 28.5 7,962 72.9 24,624 25,405	62,899 25,401 22,578 2,2 35.9 88.9 18,486 22.1 28,116 32,025	728,445 148,597 21,354 1.6 2.0 14.4 18,181 62.6 28,214 41,438
CLASSIFIED BY CHARACTER OF ENTERFRISE. S. Reclamation Service, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. S. Indian Service, irrigated in 1909. Enterprises were capable of irrigating in 1910. The luded in projects. arey Act enterprises, irrigated in 1909. Enterprises were capable of irrigating in 1910. Thouded in projects. rigation districts, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. coperative enterprises, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. coperative enterprises, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects.	400 6,000 22,480 47,200 158,548 213,218	16. 1 106, 745 255, 485	161. 5 33, 610 34, 610	99,185 174,830 2,000 2,000 2,000	1,338	33. 2 2, 042 2, 052	72. 9 24, 624 25, 405	28,116 32,925	62.6 28,214 41,438
CLASSIFIED BY CHARACTER OF ENTERFRISE. S. Reclamation Service, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. S. Indian Service, irrigated in 1909. Enterprises were capable of irrigating in 1910. The luded in projects. arey Act enterprises, irrigated in 1909. Enterprises were capable of irrigating in 1910. Thouded in projects. rigation districts, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. coperative enterprises, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. coperative enterprises, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects.	400 6,000 22,480 47,200 158,548 213,218			2,000 2,000 2,000					
S. Reclamation Service, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. S. Indian Service, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. arey Act enterprises, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. rigation districts, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. coperative enterprises, irrigated in 1909. Enterprises were capable of irrigating in 1910. Enterprises were capable of irrigating in 1910. Enterprises were capable of irrigating in 1910. Included in projects.	47,200 158,548 218,218	10,234 28,671 28,671 33,900 54,900		600					
rigation districts, irrigated in 1909 Enterprises were capable of irrigating in 1910 Included in projects cooperative enterprises, irrigated in 1909 Enterprises were capable of irrigating in 1910 Included in projects	47,200 158,548 218,218	10, 234 28, 671 28, 671 33, 900 54, 900		600					
rigation districts, irrigated in 1909 Enterprises were capable of irrigating in 1910 Included in projects cooperative enterprises, irrigated in 1909 Enterprises were capable of irrigating in 1910 Included in projects	47,200 158,548 218,218	10,234 28,671 28,671 33,900 54,900		600					·
Consecute State Prises, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. commercial enterprises, irrigated in 1909. Enterprises were capable of irrigating in 1910. Troubed in projects.	158,548 213,218	54,900		3,000		• • • • • • • • • • • • • • • • • • • •			
Enterprises were capable of irrigating in 1910	33			110,040	391		!		,
ommercial enterprises, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. dividual and partnership enterprises, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects.	1,100 1,100 91,155 96,392 98,455	6,000 90,000 13,748 17,174 17,234	29, 248 33, 610 34, 610	515 515 24,707 31,845 49,670		1,139 2,042 2,052	11,215 11,599 9,444 13,409 13,806	22, 578 28, 116 32, 925	18,154 24,014 33,238
ACREAGE IRRIGATED	**			=====================================	•				
antial from streams	136,407 136,407	57,770 57,770	29, 226 29, 226	61,490 61,015 475	1,334 1,334	1,139 1,139	13,151 13,151	22, 548 22, 548	21,029 21,029
By pumping.									
applied from wells. Flowing. By pumping. applied from springs. applied from reservoirs. of all aggrege Sumplied by pumping.	1,881 1,881 500	100 100	22	123 708	3		40 500 77		30 9 21 295
IRRIGATION ENTERPRISES						-	40		21
idependent enterprisesnumber	312	70	464	329	10	31	145	188	99
iain ditchesnumber Number in 1899 * Per cent of increase, 1899-1910.	236	71	464	291	3	31	141	171	85
Length miles miles miles miles miles miles	609	212	415	819	6	33	186	300	193
sterals	8, 542 93	2,681 47	791 622	3,474 89	20 4	129	764 8	794 97	1,157 24
	50,693	68 6 132,248	106	175 123 62,883	$egin{array}{c} 1 \\ 2 \\ 1 \end{array}$	1 40	14	43 5 73	14 15 12,247
	111 24,587	3 1,792							30 1,084
tumped wells number. Capacity gallons per minute.					11		1 100		360 1
Engine capacityhorsepower Pump capacitygallons per minute				131 15,242	3 11		20 100		360
ost of enterprises up to July 1, 1910dollars	927,647	2,090,999	137, 565	1,568,770	21,581	12,671	581, 214	133,956	187,211
Average cost per acre enterprises were capable of irrigating in		10.50	4.00	15 20	10.12	a o1	20 40	A 70	6, 64
Average cost per acre irrigated in 1890 d	1,026,897 3.06	2,177,966 8.52	137, 505 3, 97	2, 261, 610 12. 94	21,581 16.13	12,671 6,17	589,878 23.22	133,956 4.07	187, 211
creage for which cost is reported	44, 127 11, 860 0. 27	38,900 5,090 - 0.15		33,454 56,583 1.69	020 827 1, 33		3,500 3,412 0,97		1,200 1,800 1,50
	CLASSIFIED BY SOURCE OF WATER SUPPLY, upplied from streams. By gravity. By pumping. upplied from lakes. By gravity. By pumping. upplied from wells. Flowing. By pumping. upplied from wells. Flowing. By pumping. upplied from springs. upplied from reservoirs. otal acreage Supplied by pumping. IRRIGATION ENTERPRISES adependent enterprises. number. Number in 1899 4 Per cent of increase, 1899-1910. Lain ditches. Number in 1899 5 Per cent of increase, 1899-1910. Capacity. aterals. Length in 1899 4 Per cent of increase, 1899-1910. Capacity. aterals. Length in 1899 4 Per cent of increase, 1899-1910. Capacity. aterals. Length miles. Capacity. Umpleg wells. Capacity. umpler Capacity. umped wells. Capacity. gallons per minute. Umping planis. Lengine capacity. per cent of increase, 1899-1910. COST OST OST OST OST OST OST OST OST OST	ACREAGE IRRIGATED CLASSIFIED BY SOURCE OF WATER SUPPLY. upplied from streams. 136, 407 By gravity. 136, 407 By gravity. 136, 407 By pumping. 136, 407 By pumping. 138, 407 By pumping. 14881 By pumping. 1589 IRRIGATION ENTERPRISES Independent enterprises. 1590 Idependent enterprises up to July 1, 1010 Idependent enterprises up to July 1, 1010 Idependent enterprises up to July 1, 1010 Idependent enterprises. 1590 Idependent enterprises.	CLASSIFIED BY SOURCE OF WATER SUPPLY 136,407 57,770 By gravity 136,407 57,770 By pumping 136,407 57,770 By pumping 136,407 57,770 By pumping 136,407 57,770 By pumping 1,881 100 120	ACREAGE IRRIGATED CLASSIFIED BY SOURCE OF WATER SUPPLY. Ipplied from streams 136,407 57,770 29,226 By gravity 136,407 57,770 29,226 By pumping 136,407 57,770 29,226 By pumping 136,407 57,770 29,226 By gravity	CLASSIFIED BY SOURCE OF WATER SUPPLY. applied from streams	CLASSIFIED BY SOURCE OF WATER SUPPLY. IDDITED FOR STREAMS. 136,497 57,770 29,220 01,490 1,334 By gravity. 136,497 57,770 29,220 01,490 1,334 By gravity. 136,497 57,770 29,220 01,490 1,334 By gravity. 136,497 57,770 29,220 01,490 1,334 By pumping Lates. 2475 475 By pumping Lates. 2475 475 By pumping Lates. 259 475 By pumping Lates. 259 475 By pumping Lates. 259 259 259 259 259 259 259 259 259 259	CLASSIFED BY SOURCE OF WATER SUFFLY. Upplied from streams. By gravity. By pumping. upplied from lakes. By gravity. By pumping. upplied from wells. Flowing. By pumping. upplied from springs. pupplied from springs. dependent enterprises. Avanber in 1894 Per cent of increase, 1890-1910. Length in 1894 Per cent of increase, 1890-1910. Length in 1894 Per cent of increase, 1890-1910. Capacity. Cap	CLASSIFED BY SOURCE OF WATER SUPELY. 130,407 57.770 29,228 01,400 1,334 1,130 13,151 By gravity. 130,407 57,770 28,226 01,015 1,234 1,130 13,151 19,101 100 1,334 1,130 13,151 10,101	CLASSIFED NY SOURCE OF WATER SUPELY. upplied from streams. By gravity. 138,407 57,770 29,225 61,400 1,334 1,139 13,151 22,548 By gravity. 138,407 57,770 29,225 61,015 1,334 1,139 13,151 22,548 By gravity. 138,407 57,770 29,225 61,015 1,334 1,139 13,151 22,548 By gravity. 138,407 57,770 29,225 61,015 1,334 1,139 13,151 22,548 By gravity. 138,407 57,770 29,225 61,015 1,334 1,139 13,151 22,548 By gravity. 138,407 57,770 29,225 61,015 1,334 1,139 13,151 22,548 By gravity. 138,407 57,770 29,225 61,015 1,334 1,139 13,151 22,548 By gravity. 138,407 57,770 29,225 61,015 1,334 1,139 13,151 22,548 By gravity. 138,407 57,770 29,225 61,015 1,334 1,139 13,151 22,548 By gravity. 138,407 57,770 29,225 61,015 1,334 1,139 13,151 22,548 By gravity. 138,407 57,770 29,225 61,015 1,334 1,139 13,151 22,548 By gravity. 138,407 57,770 29,225 61,015 1,334 1,139 13,151 22,548 By gravity. 138,407 57,770 29,225 61,015 1,334 1,139 13,151 22,548 By gravity. 138,407 57,770 29,225 61,015 1,334 1,139 13,151 22,548 By gravity. 138,407 57,770 29,225 61,015 1,334 1,139 13,151 22,548 By gravity. 138,407 57,770 29,225 61,015 1,334 1,139 13,151 22,548 By gravity. 138,407 57,770 29,225 61,015 1,334 1,139 13,151 22,548 By gravity. 138,407 57,770 29,225 61,015 1,334 1,139 13,151 22,548 By gravity. 138,407 57,770 29,225 61,015 1,334 1,139 13,151 22,548 By gravity. 138,407 57,770 29,225 61,015 1,334 1,139 13,151 22,548 By gravity. 138,407 57,770 29,225 71 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

IRRIGATION—COLORADO.

COST OF OPERATION AND MAINTENANCE, BY COUNTIES: 1909 AND 1910—Continued.

[Comparative data for 1899 in italics.]

=		Tibont	Enament	C 8 - 12	Gilleria.		0		Tru outomo	Youkson	Toffanoni
•		Elbert.	Fremont.	Garfield.	Gilpin.	Grand.	Gunnison.	rinsquie.		Jackson.	Jefferson,1
1 2 3	Number of all farms in 1910	1,150 34	896 839	965 868	43 2	249 226	277 201	24 22	402 350	178 163	1,417 1,151
3 4 5	Per cent of all farms. Number of farms irrigated in 1899 Per cent of increase, 1809–1905.	3.0	93.6 588	89. 9 487 78. 2	4.7	90.8 163	94.2 226	91.7	75.8 845	91.6	81.2
Ü	LAND AND FARM AREA	100.0	42.7	78.2	2 87.5	47.7	15.5	2 20. 7	1.4		
6 7	Approximate land area	1,188,480 682,281	996,480 146,866	1, 988, 480 156, 720	84,480 13,323	1,194,240 113,287 30,097 42,194 8.5	2,034,560	621,440 5,436	960,000 161,834	1,044,480	630, 320 224, 686 69, 260
8	Land in farms acres Improved land in farms acres A creage irrigated in 1909. Per cent of total land area	118,474 7,628	24,868 24,737	61,818 61,617	13,823 3,370 43	30,097 42,104	83,282 38,074 55,848 2.7	5, 436 2, 349 2, 924 0, 5	28, 631 26, 598	200, 278 74, 737 151, 850	69, 260 57, 336
10 11 10	Per cent of total land area. Per cent of land in farms.	0.6 1.1	2.5 16.8	3. 1 39. 3	0.1	37.2	07.0	53.8	2.8 16.4	14.5 75.8	10.7 25.5
10 11 12 13 14	Per cent of total and area. Per cent of land in farms. Per cent of improved land in farms. Acreage irrigated in 1899. Per cent of increase, 1899-1909. Acreage enterprises were capable of irrigating in 1910. Acreage included in projects.	6. 4 905 74. 3	99.5 15,542 59.2	99. 7 24, 987 147. 1	1.3 354 287.9	3 140. 2 17, 648 139. 2	3 140.7 26,971 107.1	³ 124. 5 1, 539 118. 4	92. 9 15, 829 73. 5	* 203. 2 (¹)	82.8 48,860
15 16	Acreage enterprises were capable of irrigating in 1910 Acreage included in projects.	11,286 20,361	37,136 42,414	95,281 133,321	43 290	77,672 98,299	59,700 73,895	3,354 5,220	35,090 06,878	100,457 244,067	142,280 203,163
	ACREAGE IRRIGATED AND INCLUDED IN PROJECTS										
	Criceron ny Crinicana on Famanore								:		
17 18	U. S. Reclamation Service, irrigated in 1909 Enterprises were capable of irrigating in 1910 Included to projects										
17 18 19 20 21 22 23 24 25	U. S. Reclamation Service, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. U. S. Indian Service, irrigated in 1900. Enterprises were capable of irrigating in 1910. Included in projects. Carey Act enterprises, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects.							• • • • • • • • • • • • • • • • • • • •	* * * * * * * * * * * * * * * * * * * *		
22 23	Included in projects. Carey Act enterprises, irrigated in 1909						• • • • • • • • • • • • • • • • • • • •	•••••			
24 25	Enterprises were capable of irrigating in 1910 Included in projects										
26 27	Irrigation districts, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects	· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·		• • • • • • • • • • • • • • • • • • • •			
27 28 29 30 31	Included in projects. Cooperative enterprises, irrigated in 1909.		7.370	4.114		4,470	2, 433		1.855	4.000	33, 424
30 31	Enterprises were capable of irrigating in 1910 Included in projects		15,475 19,875	8,800 17,500		19, 100 35, 570	2,460 2,460		2,488 21,300	12,000 12,000	69,971 69,971
32 33 34	Commercial enterprises, irrigated in 1909. Enterprises were capable of Irrigating in 1910. Included in projects. Individual and partnership enterprises, irrigated			· · · · · · · · · · · · · · · · · · ·					 		12,010
34 35	Included in projects	7,628	17.358	57,503	43	37,724	53,415	2,024	24,743	147,850	58,528 207,532 10,003
36 37	Enterprises were capable of irrigating in 1910.	11.286	21,661 22,539	86,481 115,761	43 200	58,482	57,240 71,435	3,354	33,202	187,457	13,787 15,000
91	Included in projects	20, 361	22,539	115,761	290	62, 720	71,435	5,220	45,578	232,907	15,000
30	CLASSIFIED BY SOURCE OF WATER SUPPLY.	7 500	04.000	*0.01 0	43	11 non					
38 39 40	By gravityBy pumping	7,568	23,694 506	59,910 59,916	43	41,329 41,329	55,527 55,427	2, 924 2, 924	20, 568 20, 508	151,710 151,710	56,922 56,882 40
40 41 42	Supplied from streams. By gravity By pumping Supplied from lakes By gravity By pumping.			25 25		*********				80 80	4
43 44	Supplied from wells		กรอ	••••••							4
45 46	Supplied from wells. Flowing. By pumping. Supplied from springs. Supplied from reservoirs. Total acreage supplied by pumping.	·····	236 209 27	A				• • • • • • • • • • • • • • • • • • • •	5		30 30
47 48 49	Supplied from springs. Supplied from reservoirs.	60	161 50	914 762		285 580	221 100		25	60	40 340
49	IRRIGATION ENTERPRISES		623				100		5 		74
50 51 52 53	Independent enterprises	37	413	440	2	328	507	41	. 263	328	163
	Main ditches	30	366	374	2	326	448	31	266	326	164
54 55 56 57 58 59 60 61 62 63	Number in 1899 Per cent of increase, 1899-1910	30	337	870	·····i	497	466			***********	***********
57 58	Length in 1899	••••••		070		407	400	28	427	743	040
59 60	Capacity cubic feet per second. Laterals number. Length miles.	427 60	1,058 363	4,401 89	1	3,508 173	0,934 41	183 6	1,600 187	6,896 142	4,623 31
62	Reservoirs number. Capacity acre-feet	$\begin{smallmatrix}4\\8\\1,456\end{smallmatrix}$	122 26 18,879	54 14 5,049		94 21 3,344	7 1 125	2	100 37	79 G	67 70
				0,010		0,044	120		12,714	2,150	136,510
64 65 66 67	Capacity gallons per minute. Pumped wells number.		1,371 5						i	•••••	
68 69	Flowing wellsnumber. Capacitygallons per minute. Pumped wellsnumber. Capacitygallons per minute. Pumping plantsnumber. Engine capacityhorsepower. Pump capacitygallons per minute.	*********	1,160 9 225	· · · · · · · · · · · · · · · · · · ·			1 56		1,200	••••••••••••••••••••••••••••••••••••••	355 7
70	Pump capacitygallons per minute		8,921			**********	3,600		10 1,200	**********	26 020
71	Cost of enterprises up to July 1, 1910. dollars. Cost in 1899 dollars. Per cent of increase, 1899-1910.	35,215	1,505,440	1,458,678	625	432,231	207,622	11,047	257,059	275,899	4,300,068
71 72 73 74	Per cent of increase, 1899–1910. Average cost per acre enterprises were canable of	• • • • • • • • • • • • • • • • • • • •	••••••	••••••		***********	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •			
75 76	Average cost per acre enterprises were capable of irrigating in 1910	3, 12	40.54	15.31	14. 53	5.57	3.48	3, 29	7. 23	1.38	30. 23
76 77	Average per acre included in projectsdollars	35,215 1.73	1,588,971 37.46	1, 498, 678 11, 24	625 2, 16	504,654 5.13	207, 622 2. 81	11,047 2,12	273, 059 4. 10	275, 899 1. 13	5, 170, 968 17. 64
	OPERATION AND MAINTENANCE		6,379	4,114	***************************************	705	1,740		1 0 = 2		
78 79 80	A creage for which cost is reported		25,411 3.98	11, 226 2. 73		010 0.87	1,710 100 0,06				40, 423 47, 091 1, 18
81 82	Average cost per acre in 1899 4 dollars. Per cent of increase, 1899-1909.	• • • • • • • • • • • • • • • • • • • •	**********							*********	
	Firrigated acreage includes wild grass, while im						·				-

 $[\]ensuremath{^{\text{B}}}$ Irrigated acreage includes wild grass, while improved land in farms does not.

[•] Not reported by counties.

IRRIGATION—COLORADO.

ACREAGE IRRIGATED, EXTENT AND COST OF IRRIGATION ENTERPRISES, AND

[Comparative data for 1899 in italics.]

		Kiowa.	Kit Car- son.	La Plata.	Lake.	Larimer.1	Las Ani- mas.	Lincoln.	Logan.	Mesa.	Mineral,
1 2 3	Number of all farms in 1910. Number of farms irrigated in 1909. Per cent of all farms. Number of farms irrigated in 1899 Per cent of increase, 1899–1909.	646 6 0.9	1,767 8 0.5	735 634 86. 3	57 43 75.4	1,830 1,491 81.5	954 447 46.9	1,334 1 0.1	1,359 272 20.0	2,348 2,238 95.3	33 28 84.8
5	Number of farms irrigated in 1899	100.0	² 65. 2	188.2	2 23. 2	1,256	2 18. 6	2 94. 1	20.4	201. 6	2 12. 5
6 7 8 9		1,150,720 219,660 21,667 1,460 0.1	1,381,760 586,587 140,399 638 (3) 0.1	1,184,640 151,709 41,390 40,840 3.4	237, 440 20, 948 7, 998 10, 967 4. 6	1,682,560 505,524 177,525 170,600 10.1	3,077,760 445,298 48,085 26,093 0.8	1,644,800 428,115 105,053 160 (a) (a)	1,166,080 409,487 115,019 63,166 5.4	2,024,320 174,584 73,508 71,942 3.6	554,240 18,646 7,036 7,762 1.4
10 11 12 13 14 15 16	Approximate land area	0.7 6.7 158 824.1 1,460 2,310	0.1 0.5 859 2 25.7 788 868	26.9 98.7 10,771 279.2 109,479 151,387	52, 4 4 137.1 7,580 48. 6 11,647 16,380	33.7 96.1 169,028 178,992 316,992	5,9 54.3 24,661 5.8 32,560 35,149	0. 2 1,678 2 90. 5 160 160	15. 4 54. 9 8, 913 608. 7 65, 345 87, 301	41.2 97.9 33,223 116.5 92,092 182,942	41.6 4110.3 £,640 194.0 9,370 10,590
	PROJECTS										<u></u>
17 18 19 20	CLASSIFIED BY CHARACTER OF ENTERPRISE. U. S. Reclamation Service, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. U. S. Indian Service, irrigated in 1909.			1,000						53,000	
18 10 20 21 22 23 24 25	U. S. Reclamation Service, irrigated in 1909 Enterprises were capable of irrigating in 1910. Included in projects. U. S. Indian Service, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. Carey Act enterprises, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects.			2,000 20,000						• • • • • • • • • • • • • • • • • • • •	
26 27 28 29 30	Irrigation districts, irrigated in 1909 Enterprises were capable of irrigating in 1910. Included in projects Cooperative enterprises, irrigated in 1909 Enterprises were capable of irrigating in 1910. Included in projects			23,973 85,218		144, 444 150, 122	8,000 11,640		47,711 48.860	9,370 16,070 22,370 33,800 42,000	
31 32 33 34	Included in projects. Commercial enterprises, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. Individual and partnership enterprises, irrigated in 1909.			96,418		740 740 125,000					
35 36 37	Individual and partnership enterprises, irrigated in 1909. Enterprises were capable of irrigating in 1910 Included in projects. ACREAGE IRRIGATED	1,460	638 788 868	15,867 -22,261 34,969	10,967 11,647 16,380	25, 416 28, 130 34, 889	18,093 20,926 23,509	160 160 160	15,455 16,485 23,800	28,772 34,022 53,460	7,762 9,370 10,500
38 39 40 41	CLASSIFIED BY SOURCE OF WATER SUPPLY. Supplied from streams. By gravity By pumping Supplied from lakes By gravity By pumping By gravity By pumping	1,225 1,225	585 585	40,351 40,350 1	10,967 10,967	169, 534 169, 304 230 200	25, 991 25, 991	i	62,761 62,761	71,590 60,807 10,783	7,762 7,762
42 43 44	By gravity By pumping Supplied from wells	230				200					
45 46 47 48 49	Supplied from wells Flowing. By pumping. Supplied from springs. Supplied from reservoirs. Total acreage supplied by pumping.	5 3 2	3 8 50	200 109 180		104 542 220	102	160	15 15 390	52 52 800	
50	IRRIGATION ENTERPRISES Independent enterprises			262	55	221	139	1	36	10,835	46
51 52 53 54 55	Number in 1899	4	5	257	39	217	88	i	35	259	44
54 55 56 57 58 59 60 61	Length	7	6	480	71	758	161	3	215	592	4.7
62 63	Length miles Reservoirs number Capacity acre-feet	1 1	65 4 2 3 55	2,662 52 125 7 7,456	530 9 16	7,176 136 368 84 263,388	1,193 16 7 427	34	2,566 8 23 4 1,929	5,000 62 150 42 10,172	217 12 8
64 65 66 67 68 69 70	Flowing wells number Capacity, gallons per minute Pumped wells number Capacity, gallons per minute Pumping plants number Engine capacity horsepower	1 10 2 4 2 1	2 26 26	89 2		2 857 5			1 600	2 80 31	
	Engine capacity horsepower Pump capacity gallons per minute. COST	1 4	1 26	136 2,716		80 1,659			10 600	5,991 178,273	
71 72 73 74	Cost of enterprises up to July 1, 1910	7,975	3,165	688,774	46, 196	5, 576, 639	155,583	560	388, 862	3,024,010	19,514
75 76 77	Average cost per acre enterprises were capable of irrigating in 1910	5. 46 7, 975 3. 45	3,165 3,65	6.29 855,311 5.65	3, 97 46, 196 2, 82	31.16 9,026,639 28.48	4.78 155,583 4.43	3.50 560 3.50	5. 95 388, 862 4. 45	32.84 6,745,382 36.87	2.08 19,514 1.84
l											

¹ Change of boundary. (See explanation at close of text.)

COST OF OPERATION AND MAINTENANCE, BY COUNTIES: 1909 AND 1910—Continued.

[Comparative data for 1899 in italies.]

	Monte. Pie											
		Monte- zuma.	Montrose.	Morgan.	Otero.	Ouray.	Park.1	Pitkin.	Prowers.	Pueblo,	Rio Blanco.	
1 2 3 4 5	Number of all farms in 1910. Number of farms irrigated in 1909. Per cent of all farms. Number of farms trigated in 1899. Per cent of increase, 1899-1909.	1,004 516 51.4 240 115.0	1,138 1,042 91.6 468 122.6	1,075 561 52.2 505 83.9	1,498 1,310 87.4 762 71.9	189 184 97. 4 128 43. 8	194 162 83. 5 172	191 182 95. 3 153 19. 0	991 546 55. 1 377 44. 8	1,103 753 68.3 561 34.2	341 285 83. 6 239 19. 2	
6 7 8 9 10 11 12 13 14 15	LAND AND FARM AREA Approximate land area	1, 312, 640 150, 204 31, 112 27, 176 2.1 17. 1 87. 3 12, 246 121. 9	1,448,960 151,375 65,136 55,993 3.9 37.0 86.0 34,132 64.0 92,194	823,040 233,269 98,721 97,849 11.9 41.9 99.1 57,018 164.4 114,933	1,322,880 254,185 143,114 122,457 9.3 48.2 85.6 62,268 96.6 198,460	332, 160 48, 833 14, 612 16, 621 4.7 32. 0 4106. 9 10, 440 40. 6 20, 337	1,415,680 181,199 46,205 64,824 4.6 35.8 4 140.3 39,861	052,160 45,286 15,158 15,152 2.3 33.5 4100.0 12,088 25,3 20,719	1,043,200 250,317 102,240 71,684 6.9 28.6 70.1 46,098 55.5 74,632	1,557,120 636,114 63,426 50,718 3.3 8.0 80.0 86,943 41.1 69,442	2,062,720 104,386 36,750 32,80 1.6 31.5 89.3 #1,381 53.5 37,353	
16	ACREAGE IRRIGATED AND INCLUDED IN		254,132	259,590	250,766	25,462	68,969	30, 497	130, 596	174,518	53, 169	
17 18 19 20 21 22 23 24	CLASSISTED BY CHARACTER OF ENTERPRISE. U. S. Reclamation Service, irrigated in 1900 Enterprises were capable of irrigating in 1910 Included in projects. U. S. Indian Service, irrigated in 1900 Enterprises were capable of irrigating in 1910 Included in projects. Carey Act enterprises, irrigated in 1909. Enterprises were capable of irrigating in 1910 Included in projects.	20 20 20 20	14,600 28,000 138,000									
25 26 27 28 29 30 31	Irrigation districts, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. Cooperative enterprises, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects.	13,000 35,000 38,000 2,935 8,175 0,175	19,688 32,828 64,928	19,668 19,668 121,668 59,488 69,988 107,225	18,550 45,525 40,525 99,164 145,893 183,198	1,090 1,332 1,332		2,740 5,775 7,850	69,303 71,132 125,357	450 475 475 36, 876 52, 794 69, 652	2,000 3,000 4,000	
33 34 35 36 87	Commercial enterprises, irrigated in 1909 Enterprises were capable of irrigating in 1910 Included in projects. Individual and partnership enterprises, irrigated in 1909 Enterprises were capable of irrigating in 1910 Included in projects ACREAGE IRRIGATED	11, 221 19, 562	21,705 31,366 51,204	18,693 25,277 30,697	4,743 7,042 18,043	14,531 19,005 24,130	04, 824 05, 384 68, 969			13,302 16,173 104,391	250 250 250 30,580 34,103 48,919	
38 39 40 41 42 43	CLASSIFIED BY SOURCE OF WATER SUPPLY. Supplied from streams. By gravity. By pumping. Supplied from lakes By gravity. By pumping.	27, 151 27, 151	55,739 55,739	97, 038 97, 038	118,720 118,420 300	15,606 15,608	64, 809 64, 809 15 15	15,061 15,001 2 2	71,684 71,684	50, 393 50, 387 6 40 40	32, 402 32, 120 282	
44 45 46 47 48 49	Supplied from wells. Flowing. By pumping. Supplied from springs. Supplied from reservoirs. Total acreage supplied by pumping. IRRIGATION ENTERPRISES	10 15	20 221 13 20	11 11 800 11	227 227 3,510 627	15		4 4 85		31 20 11 254	428	
50 51 52 53 54	Independent enterprises	141 150	200	48	47 37	137 138	282 276	165 124	25 20	190 173	202 191	
53 54 55 56 57 58 59 60 61	Length	268 1,590 88 158	3,983 58 164	6,454 15 42	827 6,553 53 123	252 1,085 41 15	363 4,241 718 185	1,002 17 5	218 2, 286 82 148 7	5,181 91 109 54	1,129 118 70 10	
62 63 64 65 66 67	Length miles Reservoirs number Capacity acre-feet Flowing wells number Capacity gallons per minute Pumped wells number Canacity gallons per minute	37,600		181,673 	130, 504 130, 504	441	1	1,874	183, 381	106,807 4 2,168 3 145	10 384	
68 69 70	Pumped wells. number. Capacity. gallons per minute. Pumping plants. number. Engine capacity horsepower. Fump capacity. gallons per minute. COST	=======================================	1	3 25 1,581	15 87 15,185			1 1 34		4 9 165	9 87 4, 329	
71 72 73 74	Cost of enterprises up to July 1, 1910dollars. Cost in 1899 5 dollars. Per cent of increase, 1899-1910 Average cost per acre enterprises were capable of increase the cost per acre enterprises.	1,026,977 16.36	4,769,186 51.73	41, 95	3, 197, 415	159,091 7.82	213, 233	237, 523 7. 99	1, 453, 019 19. 47	21,77	269, 479	
75 76 77	A verage cost per acre interprises were capable of interprises and in 1910	1,091,974 16.17	9,751,075 38.37	6,004,613 23.13	3,631,587 14.48	159,091 6.25	213, 233 3. 09	252, 554 6. 39	1,453,019 11.13	1,693,321 9.70	269,479 5.07	
78 79 80 81 82	Acreage for which cost is reported. dollars. Average per acre for which cost is reported.dollars. Average cost per acre in 1890 dollars. Per cent of increase, 1899-1909.	15,935 22,025 1.38	29,610 22,390 0.76	79,156 39,511 0.50	116,714 71,349 0.61	1,090 206 0,19		2,740 5,135 1.87	69,303 43,899 0.63	35, 132 31, 473 0. 90		

⁴ Irrigated acreage includes wild grass, while improved land in farms does not.

ACREAGE IRRIGATED, EXTENT AND COST OF IRRIGATION ENTERPRISES, AND COST OF OPERATION AND MAINTENANCE, BY COUNTIES: 1909 AND 1910—Continued.

[Comparative data for 1899 in italics.]

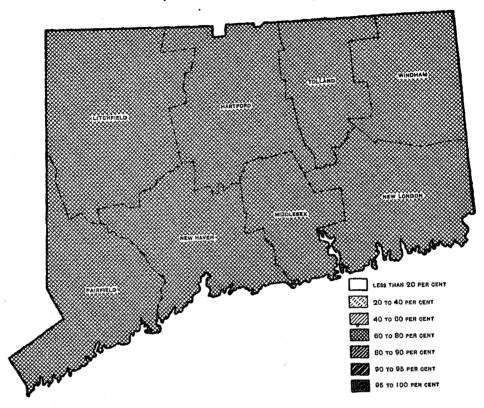
[Comparative data for 1000 in featies.]										
	Rio Grande,	Routt.	Saguache.	San Miguel.	Sedgwick.	Sum- mit.	Teller.	Washing- ton.1	Weld.	Yuma.1
Per cent of all farms. Number of farms irrigated in 1899. Per cent of increase, 1899–1909.	519 517 99. 6 <i>851</i> 47. 3	1,113 588 52.8 65.2	363 338 93.1 864 27.1	140 121 86. 4 108 12. 0	448 141 31. 5 81 74. 1	96 90 93. 8 72 25. 0	208 32 15. 4 2 22. 0	1,346 47 3.5 25	3, 981 2, 578 64. 8 1, 814 42. 1	1,820 23 1.3 28
Approximate land area	574,720 149,704 115,890 107,551 18.7 71.9 92.8 71,325 50.8 298,021 353,637	4,458,880 330,233 92,328 62,427 1.4 18.9 67.0 44,542 40.2 110,569 157,298	2,005,120 282,741 217,102 145,874 7.3 51.6 67.2 75,909 92.2 150,943 157,568	824, 320 35, 600 19, 130 14, 712 1. 8 41. 3 76. 9 5, 425 171. 2 20, 421 21, 653	339,840 159,289 58,205 22,023 6.5 13.8 37.8 4,779 300.8 23,200 55,620	415, 360 24, 844 6, 503 8, 402 2, 0 33. 8 3129. 2 3, 531 137. 9 11, 739 16, 489	350, 080 80, 313 10, 943 1, 370 0. 4 1. 7 12. 5 12. 5 1, 435 1, 664	1,613,440 551,198 117,986 5,595 0.3 1.0 4.7 5,099 6,027 7,969	2,574,080 914,220 410,346 305,514 15.4 43.3 96.4 226,613 74.5 434,008 629,433	1,514,880 058,318 318,152 3,890 0.3 0.0 1.2 850 6,290 8,276
PROJECTS										
		85 85 37,000	17.050	**********	10 000				220	
Irrigation districts, irrigated in 1999. Enterprises were capable of irrigating in 1910. Included in projects. Cooperative enterprises, irrigated in 1909. Enterprises were capable of irrigating in 1910 Included in projects.	99, 620	4,647 8,850 10,520	17,050 17,650 23,280	7,000 7,200 7,200	18,000 18,000 47,000			4,835 4,917 6,389	332 332 125,332 323,918 331,821 364,165	400 500 500
Commercial enterprises, irrigated in 1909. Enterprises were capable of irrigating in 1910. Included in projects. Individual and partnership enterprises, irrigated in 1909. Enterprises were capable of irrigating in 1910.	107, 670 28, 937 37, 820	57,695 101,634	42,330 87,862 90,963	7,712 13,221	4,023 5,260	8,402 11,739	1,370 1,435	760 1,110	9,709 9,709 11,629 61,555 92,146	3, 490 5, 790
Included in projects	44,686	109,778	91,958	14,453	6,620	16,489	1,004	1,580	128,307	7,775
Supplied from streams. By gravity By pumping. Supplied from lakes. By gravity By pumping.	106, 786 106, 786	60, 877 60, 727 150 30 30	143,642 143,642 20	14,710	21,983				387,619 387,544 75 390	3,890 3,890
Supplied from wells. Flowing. By pumping. Supplied from springs. Supplied from reservoirs. Total acreage supplied by pumping.	cor		1,921 1,921 266 25 20	2	40	6 25	68	60	2,230 2,230 340 4,935 2,695	
Independent enterprises	218 229	433 417	348 328	95 94	10	151 154	26 21	7	291	10 12
Length in 1899 4 miles Length in 1899 4 miles Per cent of increase, 1899-1910 Capacity cubic feet per second Laterals number	6,755 187	899 4,502 171	2,597 888	179 773 2	189 1,934 20	174 571 26	18 38 2	5 85 2	752 12,611 250	32 210
Reservoirsnumber. Capacityacre-feet.	261	106 74 36,456	13 28	5 3 1,334	10 11 42,020	12 3 76	1	2 2 290	182 100 73,766	i 3
Pumped wellsnumber	7,672	3 125 7,225	2,497						33,263 54 686 40,285	
Cost in 1899 4	1,356,578	661, 203	547, 870	142,552	493, 501	70,353	7,037	65,713	7,597,658	22,276
gating in 1910. dollars. Average cost per acre irrigated in 1899 4 dollars. Estimated final cost of existing enterprises dollars. Average per acre included in projects dollars.	4.55 1,400,313 3.96	5.98 1,099,590 6.99	3.63 547,870 8.48	6.98 142,552 6.58	21.22 1,130,501 21.08	5.99 70,353 4.27	4.90 7,037 4.23	10.90 65,713 8.25	17.51 9,847,658 15.64	3. 54 22, 276 2. 17
Acreage for which cost is reported. Cotal cost reported. Average per core for which cost is reported. dollars.	78, 614 29, 362 0. 37	4,572 3,814 -0.72	58,012 9,695 0.17	7,000 1,451 0.21	18,000 21,980 1.22			4,835 1,599 0.33	236, 890 91, 581 0. 39	
	Approximate land area	Number of all farms in 1910. 519	Number of all farms in 1910. Sill 1,113 Number of all farms in 1910. Sill 1,113 1,113 Sill 1,113 1,113 Sill 1,113 1	Number of all farms in 1910. Submitted in 1910.	Number of alfarms in 1900. 1500. 1510 1,113 363 140 140 150	Crimole, Commence Commence	Granule Sciult Scient Sciult Scient Sciult Scient Sciult Sciult	Number of all farms in 1910.	Number of all farms in 1910	Carea Care

¹ Change of boundary. (See explanation at close of text.) ² Decrease. ⁴ Not reported by counties.

PER CENT OF LAND AREA IN FARMS, AND AVERAGE VALUE OF FARM LAND PER ACRE, IN CONNECTICUT, BY COUNTIES: 1910.

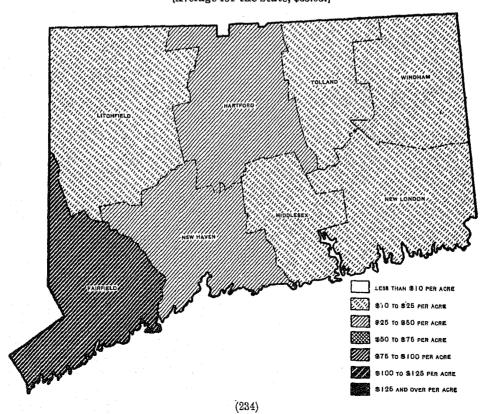
PER CENT OF LAND AREA IN FARMS.

[Per cent for the state, 70.9.]



AVERAGE VALUE OF FARM LAND PER ACRE.

[Average for the state, \$33.03.]



CONNECTICUT.

FARMS AND FARM PROPERTY.

Connecticut ranks forty-sixth in area and thirty-first in population among the states and territories of continental United States. The greater part of the state of Connecticut consists of rolling to mountainous highlands, interspersed by innumerable small valleys, and bordered toward the coast line by a low-rolling plateau. The eastern highland portion of the state is more gently rolling than the western highland, which near the New York state line attains to mountainous altitudes and possesses rugged topography. The two principal highland portions of the state are separated by the Connecticut Basin, occupied in part by the Connecticut River, which flows across the eastern margin of this basin and through the eastern highland to the sea. The basin itself is in general nearly level, although it is broken by mountainous ridges constituting the southern extension of the Holvoke Range.

Practically all of the soils of the state of Connecticut are derived either directly or indirectly through the glaciation of the numerous varieties of underlying rock. The highland portions of the state have been chiefly swept bare of the finer soil-forming material at all of the higher altitudes and upon the more precipitous slopes. The lower slopes and the more gently rolling portions of the highlands are deeply covered with complex glacial débris known as the till. This gives rise chiefly to stony sandy loams and stony loams, with smaller areas of heavier loam.

Within the Connecticut Basin and in all of the smaller valleys found within both portions of the highland there have been deposited gravels, sands, sandy loams, and clays at the time of the recession of the glacial ice. These more level portions of the state constitute some of the best agricultural lands within its borders. Upon the sandy loams and the loamy soils the tobacco industry, the market gardening, and a considerable part of the fruit industry of the state are carried on. The upland soils are principally used for grazing and the production of grass and corn. Extensive areas are too steep in slope or too rocky for any other occupation than that of forestry or pasturage. The growing horticultural interests of the state are located chiefly upon the deeper areas of the glacial loams in the highland portion of the state.

The two maps on the opposite page show by counties the proportion of the total land area which is in farms and the average value of farm land per acre. Over two-thirds (70.9 per cent) of the state's total land area is in farms. The first map shows that in each county of the state from 60 to 80 per cent of all land is in farms. New London County shows the highest proportion, 75.5 per cent, of land in farms, while Middlesex County shows the smallest proportion, 63.4 per cent. The four northern counties show higher proportions of farm land than do the southern counties, New London excepted.

Progress during the decade 1900 to 1910.—The following table summarizes for the state the more significant facts relating to population and land area, the number, value, and acreage of farms, and the value of all other farm property in 1910 and 1900:

(235)

	1910	1900	· INCREAS	E, 1
NUMBER, AREA, AND VALUE OF FARMS.	(April 15)	(June 1)	Amount.	Per cent.
Population Number of all farms Approximate land area of the stateacres	1, 114, 756 26, 815 3, 084, 800	908, 420 26, 948 3, 084, 800	206, 336 —133	22. 7 -0. 5
Land in farms	2, 185, 788 988, 252 81. 5	2, 312, 083 1, 064, 525 85. 8	-126, 295 -76, 273 -4. 3	-5.5 -7.2 -5.0
Value of farm property: Total	\$159, 399, 771	\$113, 305, 580	\$46, 094, 191	40.7
Land Buildings Implements and machinery Domestic animals, poultry, and bees	72, 206, 058 66, 113, 163 6, 916, 648 14, 163, 902	52, 441, 508 44, 983, 560 4, 948, 300 10, 932, 212	19, 764, 550 21, 129, 603 1, 968, 348 3, 231, 690	37. 7 47. 0 39. 8 29. 6
Average value of all property per farm	\$5, 944 \$33. 03	\$4, 205 \$22, 68	\$1,739 \$10.35	41. 4 45. 6

1 A minus sign (-) denotes decrease.

The average value per acre of farm land for the the eastern part of the state the value of farm land is whole state is \$33.03. The second map shows that in from \$10 to \$25 per acre, while in Fairfield County,

which is in the extreme southwestern part of the state, the average value is from \$75 to \$100 per acre, or over two and a half times as high as for the state as a whole. New Haven and Hartford Counties, located in the central part of the state, show an average value for farm land of from \$25 to \$50 per acre.

During the last 10 years there was an increase in the population of the state of 206,336, or 22.7 per cent, while there was a decrease of 133, or 0.5 per cent, in the number of farms, and of 126,295 acres, or 5.5 per cent, in farm land. The relative decrease in number of farms was much less than that in the acreage of farm land, and the average size of farms decreased 4.3 acres.

Farm property, which includes land, buildings, implements and machinery, and live stock domestic animals, poultry, and bees), has increased in value during the decade about \$46,000,000, or 40.7 per cent. This great increase is chiefly made up of increases of nearly \$20,000,000 in the value of land and of about \$21,000,000 in the value of buildings. There is also an increase of \$5,200,000 in the value of farm equipment, including implements and machinery and live stock, of which over three-fifths represents a gain in the value of live stock. In considering the increase of values in agriculture the general increase in the prices of all commodities in the last 10 years should be borne in mind.

The average value of a farm with its equipment in 1900 was \$4,205, while 10 years later it was \$5,944. The average value of land alone rose from \$22.68 per acre in 1900 to \$33.03 in 1910, this advance being accompanied by increases in the average value per farm of implements and machinery and of live stock.

Population, number of farms, and farm acreage: 1850 to 1910.—The table following presents, for the state as a whole for each census from 1850 to 1910, inclusive, a statement of the total population, the number of farms, and the acreage of farm land and of improved land in farms. It also gives the percentage of the land area in farms, the percentage of farm land improved, and the percentage of increase during each decade in the number of farms and in the land in farms.

		FAR	MS.	LAN	D IN FA	RMS.		Per cent of farm land improved.
CENSUS	TEAR. tion.		Per	All lar	All land.		Per cent of land	cent of farm
TEAR,	12011.	Num- ber.	cent of in- crease.1	Acres.	Per cent of in- crease.1	Improved fand (acres),	area in farms,	iand im- prov-
1910 1900 1890 1880 1870 1860 1850	1,114,756 908,420 746,258 622,700 537,454 460,147 370,792	26, 815 26, 948 26, 350 30, 598 25, 508 25, 180 22, 445	-0.5 2.3 -13.9 20.0 1.3 12.2	2, 185, 788 2, 312, 083 2, 253, 432 2, 453, 541 2, 364, 416 2, 504, 264 2, 383, 879	-5.5 2.6 -8.2 3.8 -5.6 5.0	988, 252 1, 064, 525 1, 379, 419 1, 642, 188 1, 646, 752 1, 880, 807 1, 768, 178	70.9 74.9 73.0 79.5 76.6 81.2 77.3	46.0

1 A minus sign (-) denotes decrease.

In the 60 years since 1850 the population of the state has increased from 370,792 to 1,114,756, or a little more than trebled.

There was a continuous increase in the number of farms between 1850 and 1880, followed by a net decrease during the past 30 years. From 1900 to 1910 the number of farms decreased only 133, or 0.5 per cent.

The land surface of Connecticut is approximately 3,084,800 acres in extent. Of this area, 2,185,788 acres, or 70.9 per cent, are included in farms. Of the farm acreage, 988,252 acres, or 45.2 per cent, are reported as improved land, representing 32 per cent of the total land area of the state. The total acreage of farm land decreased 5.5 per cent during the past decade and 8.3 per cent during the past 60 years. The reported acreage of improved land shows a greater relative decrease from 1900 to 1910 than does the total acreage in farms. The acreage of farm land which is improved is now about 76,000 acres less than it was 10 years ago.

The foregoing table shows also that both the total farm acreage and the acreage of improved land are smaller in 1910 than in any of the preceding years. The farm acreage has increased and decreased alternately during the successive decades since 1850, while the acreage of improved land increased during the decade ending in 1860, but has decreased continuously since that time. Of all farm land, the percentage which was improved has decreased continuously since 1850. The slightest change, however, was during the past decade, while the greatest change was during the decade between 1890 and 1900. The decrease doubtless represents a change in the classification of land by many farmers who now report as "unimproved land" some acreage which they formerly called "improved."

Values of farm property: 1850 to 1910.—The agricultural changes in Connecticut since 1850, as reflected in the values of the several classes of farm property, are shown in the table which follows:

		FARM PROPERTY.										
CENSUS YEAR.	Total.		Land ar building		Implem and machin		Domestic animals, poultry, and bees.					
I BAR.	Value.	Per cent of increase.1	Value.	Per cent of increase.	Value.	Per cent of increase.	Value.	Per cent of increase.				
1910	\$159, 399, 771 113, 305, 580 108, 050, 708 135, 185, 834 116, 026, 415 104, 480, 565 82, 086, 453	4.9 -20.1 16.5 11.1 27.3	\$138, 319, 221 97, 425, 068 95, 000, 595 121, 063, 910 99, 393, 106 90, 830, 005 72, 726, 422	2. 6 -21. 5 21. 8 9. 4 24. 9	3,075,495 3,162,628 2,597,279	60.9 2.8 21.8	9,974,618 10,959,296 14,036,030	9.6 9.0 21.9 24.1 51.5				

A minus sign (-) denotes decrease.
 Computed gold values, being 80 per cent of the currency values reported.

The total wealth in the form of farm property is about \$159,400,000, of which 86.8 per cent is represented by land and buildings, 4.3 per cent by implements and machinery, and 8.9 per cent by live stock. The gain (40.7 per cent) in the total value of farm property from 1900 to 1910 is a much greater relative increase than has taken place in any earlier decade,

while the actual amount of the gain (\$46,094,191) is more than twice as great as the increase reported for any other decade and contrasts particularly with the large decrease from 1880 to 1890—a decrease which was shared by all three of the specified classes of property. The percentage increase in value of implements and machinery from 1900 to 1910, however, was less than from 1890 to 1900.

Average acreage and values per farm: 1850 to 1910.—The changes which have taken place during the past 60 years in the average acreage of Connecticut farms and in the average values of the various classes of farm property, as well as in the average value per acre of land and buildings, are shown in the following table:

		AVE	AVERAGE VALUE PER FARM,1						
CENSUS YEAR.	Average acres per farm.	All farm property.	Land and buildings.	Imple- ments and ma- chinery.	Domestic animals, poultry, and bees.	Average value of land and buildings per acre.			
1910	81.5 85.8 85.5 80.2 92.7 99.5 106.2	\$5,944 4,205 4,101 4,418 4,549 4,149 3,657	\$5,158 3,615 3,605 3,957 3,897 3,607 3,240	\$258 184 117 103 102 93 84	\$528 406 379 358 550 449 333	\$63.28 42.14 42.16 49.34 42.04 36.27 30.51			

¹ Averages are based on "all farms" in state.
2 Computed gold values, being 80 per cent of the currency values reported.

In average size the Connecticut farm has shown a net decrease of 24.7 acres since 1850. There was a rapid decrease from 1850 to 1880, an increase during the next 20 years, and a decrease of 4.3 acres during the past decade.

The average value of a Connecticut farm, including its equipment, has grown during the last decade from \$4,205 to \$5,944. Of this \$5,944, \$5,158 represents the value of land and buildings, \$528 the value of live stock, and \$258 the value of implements and machinery. The average value per farm of all farm property increased more than three times as much in the last decade as during the preceding half century, and is now over one and a half times as great as in 1850. During the last decade the value per acre of land and buildings has increased \$21.14, or over one and three-fourths times as much as during the preceding half century. The value per farm of equipment, which includes implements and machinery and live stock, is about one and seven-eighths times as great as 60 years ago.

Farm tenure: 1880 to 1910.—The next table shows the distribution of the farms of the state according to character of tenure at each census since 1880.

While there was a decrease of 133 in the total number of farms during the past decade, the number operated by owners and managers increased 702 and the number operated by tenants decreased 835.

In 1880 about ten out of every one hundred farms were operated by tenants. This proportion increased during the next 20 years, until in 1900 about thirteen farms in every one hundred were operated by tenants.

In the last decade, however, the movement was reversed, and tenancy is a little less frequent in 1910 than in 1880.

Throughout the 30-year period share tenancy has decreased, while cash tenancy, which increased between 1880 and 1900, decreased since that time. "Cash tenants" here include "nonspecified" and "share tenants" include "share-cash." In 1890 cash tenancy was more than twice as frequent and in 1910 about seven times as frequent as share tenancy. During the past decade the number of farms operated by share tenants decreased 374 and those operated by cash tenants decreased 461. Cash tenancy now represents 8.6 per cent of all the farms, while share tenancy represents 1.2 per cent.

tenure.	1910	1900	1890	1880
Number of all farms	20,815	26,948	20, 350	30, 5 98
Farms operated by owners and managers Farms consisting of owned land only Farms consisting of owned and hired land Farms operated by managers	24, 183 22, 147 1, 087 040	23, 481 21, 573 1, 132 776	23, 310 (1) (1)	27,472 (i) (i) (i)
Farms operated by tenants	2,632 288 42 1,705 507	3,407 } 704 } 2,703	3, 040 938 2, 102	3, 126 1, 206 1, 920
Per cent of farms operated by— Owners and managers. Tenants. Share and share-cash. Cash and nonspecified.	90. 2 9. 8 1. 2 8. 6	87. 1 12. 9 2, 0 10. 3	88.5 11.5 3.6 8.0	80. 8 10. 2 3. 9 6. 3

¹ Not reported separately.
² Share-cash tenants were doubtless largely included with share tenants in 1900, 1890, and 1880.
³ Prior to 1910 nonspecified tenants were included with cash tenants.

The following table shows the acreage, improved acreage, and value of land and buildings for farms operated by owners (including part owners), managers, and tenants, respectively:

FARMS OPERATED	VIL LYND	in farms es).		ED LAND (ACRES).	VALUE OF BUILD	
вү—	1910	1900	1910	1900	1910	1900
Total Owners Managers Tenants	2,185,788 1,831,807 136,649 217,332	1, 910, 774 104, 667	61,558		19, 672, 948	

The following table shows the per cent distribution, by tenure groups, of the items in the preceding table, and also of the number of farms:

		PER CENT OF TOTAL.										
FARMS OPERATED BY-	Number of farms.		All land in farms,		Improved land in farms.		Value of land and buildings					
	1910	1900	1910	1900	1910	1900	1910	1900				
TotalOwnersManagersTenants	100.0 86.6 3.5 9.8	100, 0 84, 3 2, 9 12, 9	100.0 83.8 6.3 9.0	100. 0 82. 6 4. 5 12. 8	100. 0 83. 7 6. 2 10. 1	100.0 82.3 4.4 13.3	100. 0 77. 2 14. 2 8. 5	100. 0 81. 3 7. 3 11. 4				

It will be seen that, in 1910, 83.8 per cent of all land in farms was in farms operated by their owners (including part owners), 6.3 per cent in farms operated by managers, and 9.9 per cent in farms operated by tenants, the percentage for owners and for managers being higher and that for tenants lower than in 1900.

As shown by the next table, the average size of farms operated by managers in 1910 (144 acres) was much greater than that of tenant farms (82.6 acres), which was in turn somewhat larger than that of farms operated by owners (78.8 acres). The average size of farms operated by managers increased between 1900 and 1910, while that of farms operated by owners and by tenants decreased. In 1910 the percentage of farm land improved was slightly higher for tenant farms than for farms operated by owners or those operated by managers.

	AVERAGE ACRES PER FARM.				PER CENT		AVERAGE VALUE OF LAND AND BUILDINGS.			
farms*operated by-	All land.		Improved land.		LAND IMPROVED.		Per farm.		Per acre.	
	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900
TotalOwners		84.2 134.9	35.6		45.1 45.1	45.9	\$5,158 4,598 20,730 4,485	3,488 9,208	58.33 143.97	

Farm mortgages: 1890 to 1910.—The Eleventh Census (1890) was the first to collect data relating to mortgage debt on farms. The basis of the returns was the "farm home" occupied by its owner. The same class of information was secured by the population schedules of the Twelfth Census (1900). The agricultural schedules of the Thirteenth Census (1910) secured practically the same information, except that the basis was "owned farms" instead of "owned farm homes "-a difference involving, however, no appreciable incomparability.

The following table relates to farms operated by persons owning all or part of the land, and shows for 1910 (1) the number of such farms reported as free from mortgage; (2) the number reported as mortgaged; and (3) the number for which no mortgage reports were secured. Comparable items are included

for 1900 and 1890.

	OWNED }	'ARMS.I	OWNED HOMI		OWNED FARM HOMES. ²		
CLASS.	191	0	190	0			
	Number.	Per cent.	Number.	Per cent.3	Number.	Per cent.	
Total Free from mortgage Mortgaged Unknown	23, 234 13, 080 9, 958 196	56.8 43.2	22,669 13,250 9,098 321	59.3 40.7	21,765 14,996 6,769	68. 9 31. 1	

¹ Includes all farms owned in whole or in part by the operator.

²The 357 "owned farm homes "for which no reports were secured were distributed between "free from mortgage" and "mortgaged" in 1890.

³ Per cent of combined total of "free from mortgage" and "mortgaged."

In 1910 the total number of farms owned in whole or in part by the operators was 23,234. Of this number, 13,080 were reported as free from mortgage;

9,958 were reported as mortgaged; and for 196 no report relative to mortgage indebtedness was obtained. The number of mortgaged farms constituted 43.2 per cent of the total number of owned farms, exclusive of those for which no mortgage report was obtained. The percentage is only slightly greater than it was in 1900 and considerably greater than it was in 1890. It may be noted that the percentages given for the three censuses are comparable, but that the number of mortgaged and unmortgaged farms reported in 1890 is not entirely comparable with the numbers reported at the later censuses, because at the census of 1890 the farms for which no reports were secured were distributed between the two classes of mortgaged and unmortgaged farms. It can be seen, however, that from 1890 to 1910 the number of mortgaged farms increased much more than the number free of mortgage decreased.

The statement of mortgage debt and of the value of mortgaged farm property is restricted to the farms of those farmers who own all of their land and report the amount as well as the fact of indebtedness. Of the 9,958 farms reported as mortgaged, 9,439 are wholly owned by the farmers, and for 9,062 of these the amount of mortgage debt is reported. Only these last-mentioned farms are included for 1910 in the next table, which presents data relating to mortgaged farms for 1910 and 1890. In this connection it should be noted that in 1890 the amount of mortgage debt of farms with incomplete reports was estimated according to the percentages and averages obtained from farms with full reports, but that no such estimate is here made for 1910. The table gives a comparative statement of the value of mortgaged farms owned entirely by their operators and the amount of indebtedness, together with the average value of such farms, the average debt per farm, and the average equity per farm for 1910 and 1890. Data regarding the amount of mortgage debt were not obtained in 1900.

	OWNED FARI	INCRE	ASE.		
	1910 ¹	1890 ²	Amount.	Per cent.	
Number. Value—Land and buildings. Amount of mortgage debt. Per cent of debt to value. Average value per farm Average debt per farm Average equity per farm.	9,062 \$37,906,308 \$11,850,468 31.3 \$4,183 \$1,309 \$2,874	6,769 \$21,084,559 \$8,567,786 40.6 \$3,115 \$1,266 \$1,849	\$1,068 \$43 \$1,025	84.3 3.4 55.4	

¹ Includes only farms consisting wholly of owned land and reporting value of farm and amount of debt.
² Includes all owned farm homes, estimates being made of value of farms and amount of debt for all defective reports.

The average debt of mortgaged farms covered by these statistics increased in 20 years from \$1,266 to \$1,309, or 3.4 per cent, while the average value of such farms rose from \$3,115 to \$4,183, or 34.3 per cent. Thus the owner's equity increased from \$1,849 to \$2,874, or 55.4 per cent. As a result of the greater relative increase in farm value than in farm debt, the mortgage indebtedness, which was 40.6 per cent of the value of the farm in 1890, has decreased to 31.3 per cent of this value in 1910.

Farms by size groups: 1910 and 1900.—The largest number of Connecticut farms is found in the "50 to 99 acres" group, which comprises nearly a quarter of all the farms. The two groups on either side. namely, the "20 to 49 acres" group with 23.5 per cent of the farms, and the "100 to 174 acres" group, with 18.6 per cent, are, in the order named, next in importance. Together the three groups comprise about two-thirds of all the farms. The changes during the last decade have been in the direction of increases in the relative number of smaller farms at the expense of the relative number of larger ones. The percentages of farms in every size group under 49 acres, except that "under 3 acres," have increased, and the percentages of farms in every group over 50 acres, except the comparatively few farms in the groups over 500 acres, have decreased during the decade.

The decrease in the number of places "under 3 acres" reported as farms may be due to a different interpretation by the enumerators as to what to include as a small farm, or may represent an actual decrease in that type of farm.

The following table shows the distribution of farms by size groups at the censuses of 1910 and 1900:

SIZE GROUP.	NUMBER OF FARMS.		incri	ease.1	PER CENT OF TOTAL.		
	1910	1900	Number.	Per cent.	1910	1900	
Total Under 3 acres 3 to 9 acres 20 to 49 acres 20 to 49 acres 100 to 174 acres 175 to 259 acres 200 to 499 acres 200 to 499 acres 1,000 acres and over	3, 119 6, 306 6, 634 4, 999 1, 702 911 188	26, 948 377 2, 050 2, 699 0, 218 0, 943 5, 404 1, 945 1, 009 187	-133 -154 -043 -420 -88 -309 -495 -243 -98 -1	-0.5 -40.8 31.4 15.6 1.4 -4.5 -9.0 -12.5 -9.7 0.5 53.8	100, 0 0.8 10.0 11.6 23.5 24.7 18.6 6.3 3.4 0.7 0.1	100.0 1.4 7.6 10.0 23.1 25.8 20.4 7.2 3.7 0.7	

1 A minus sign (-) denotes decrease.

The following table shows the total and improved acreage and the value of land and buildings for farms of various size groups, consolidating into one group the farms of less than 20 acres (numbering in all 6,035), and also the farms of between 175 and 499 acres (numbering 2,613):

SIZE GROUP.	ALL LAND IN FARMS (ACRES).		IMPROVE IN FARMS	CD LAND (ACRES).	VALUE OF LAND AND BUILDINGS.		
51212 G1001.	1910	1900	1910	1900	1910	1900	
Total	58,797 204,701 462,650 632,896 649,805 117,232	204, 106 485, 968 695, 076 729, 128 111, 087	42, 447 115, 940 232, 989 285, 839 261, 958 37, 725	38, 537 118, 470 248, 689 320, 083 292, 568 35, 318	21, 940, 957 25, 912, 631 31, 914, 010 29, 049, 903 23, 625, 686 4, 042, 753	\$97, 425, 068 12, 502, 040 17, 964, 110 23, 475, 298 22, 445, 340 18, 517, 830 2, 002, 960 517, 490	

The following table shows the per cent distribution, by size groups, of the items presented in the preceding table, and also of the number of farms:

	PER CENT OF TOTAL.									
SIZE GROUP.	Number of farms.				Improved land in farms.		Value of land and buildings			
	1910	1900	1910	1900	1910	1900	1910	1900		
Total Under 20 acres. 20 to 49 acres. 50 to 99 acres. 100 to 174 acres. 175 to 499 acres. 500 to 999 acres. 1,000 acres and over.	18.6	100.0 19.0 23.1 25.8 20.4 11.0 0.7 0.1	100. 0 2. 7 9. 4 21. 2 29. 0 29. 7 5. 4 2. 7	100.0 2.2 8.8 21.0 30.1 31.5 4.8 1.5	100. 0 4. 3 11. 7 23. 6 28. 9 26. 5 3. 8 1. 1	100, 0 3, 6 11, 1 23, 4 30, 1 27, 5 3, 3 1, 0	100. 0 15. 9 18. 7 23. 1 21. 0 17. 1 2. 9 1. 3	100, 0 12. 8 18. 4 24. 1 23. 0 19. 0 2. 1 0. 5		

Of the total farm acreage of the state in 1910, 29 per cent was in farms of 100 to 174 acres, and 29.7 per cent in farms of 175 to 499 acres, these two being from the standpoint of aggregate acreage the most important size groups. Between 1900 and 1910 the proportion of the total acreage which was in farms of less than 100 acres, as well as the proportion in farms of 500 acres or more, increased, while the proportion in farms of from 100 to 499 acres decreased.

As shown by the next table, the percentage of farm land improved diminishes as the size of the farms increases. For this reason, and also because buildings have normally a higher value in proportion to farm acreage on small than on large farms, the average value of land and buildings per acre of land also diminishes with the increase in the size of the farms; it is very much higher for the farms under 20 acres in size than for those of any other group. Many of the small farms in Connecticut are practically places of residence of wealthy persons, with expensive buildings, and many others are highly improved truck farms.

	PER CE		AVERAGE VALUE OF LAND AND BUILDINGS.					
SIZE GROUP.	IMPROVED.		Per f	arm.	Per acre.			
	1910	1900	1910	1900	1910	1900		
Total. Under 20 acres. 20 to 49 acres. 50 to 99 acres. 175 to 499 acres. 175 to 499 acres. 1,000 acres and over.	45. 2 72, 2 56. 6 50. 4 45. 2 40. 3 32. 2 19. 0	46. 0 74. 6 58. 0 61. 2 46. 0 40. 1 31. 8 31. 0	\$5,158 3,636 4,109 4,811 5,811 0,042 21,504 45,832	\$3,615 2,430 2,889 3,381 4,085 6,260 10,711 19,903	\$63. 28 373. 16 126, 59 68. 98 45. 90 36. 36 34. 49 30. 70	\$42. 14 242. 00 88. 01 48. 31 82. 26 25. 46 18. 00 14. 76		

Color and nativity of farmers: 1910.—Prior to the Thirteenth Census no attempt was made to secure information on the farm schedules concerning the nativity of farmers.

Three out of every 4 Connecticut farmers were native whites and 1 out of 4 was a foreign-born white. Only 113, or 0.4 per cent of all farmers, were nonwhites, 105 being negroes and 8 being Indians. Of the native whites, 10 per cent were tenants, as compared with

9.2 per cent among foreign-born whites and 19.5 per cent among the nonwhite farmers.

Of the 6,861 foreign-born white farmers in Connecticut in 1910, 1,538 were born in Germany; 1,164 in Ireland; 676 in Russia; 675 in Sweden; 551 in England; 544 in Austria; 396 in Canada; 319 in Italy; and 191 in Hungary. Other European countries were represented by a total of 778, and non-European countries, other than Canada, by 29.

The table which follows shows the color and nativity of farm operators by character of tenure for 1910.

	FARM OPERATORS.									
	Total.					Per cent of total.				
COLOR AND NATIVITY.	Num- ber.	Per cent dis- tribu- tion.	Own- ers.	Ten- ants.	Man- agers.	Own- ers,	Ten- ants.	Man- agers.		
Total Native white Foreign-born white Negro and other non- white	26, 815 19, 841 6, 861	100, 0 74, 0 25, 6	23, 234 17, 159 5, 996 79	2, 632 1, 978 632 22	949 704 233 12	86. 6 86. 5 87. 4 69. 9	9, 8 10, 0 9, 2 19, 5	3.5 3.5 3.4 10.6		

DOMESTIC ANIMALS, POULTRY, AND BEES.

Domestic animals on farms: 1910.—The census of 1910 was taken as of April 15, and that of 1900 as of June 1. Since a great many domestic animals are born during the six weeks between April 15 and June 1, 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 closely comparable, and the same is true in somewhat less degree of the values. For this reason the figures for 1900 are not presented in this bulletin, but in the general census reports the figures for the several states will be presented.

The total value of live stock on farms, including domestic animals, poultry, and bees, in 1910 was \$14,164,000, of which domestic animals contributed \$13,133,000. The value of cattle represented 47.5 per cent of the total value of live stock; that of horses and mules, 41 per cent; that of swine, 3.3 per cent; that of sheep and lambs, 0.8 per cent, and that of poultry, 7 per cent, the other classes being insignificant.

Of all the farms in the state, 79.5 per cent report cattle, 77.7 per cent report "dairy cows," and only 18.8 per cent "other cows." Only 471 farms have cattle without having dairy cows. The number of all cows increased somewhat during the decade, and the average value of dairy cows increased from \$33.71 to \$41.60, while that of other cows decreased from \$26.26 to \$25.71. The farms reporting dairy cows show an average of nearly 6 per farm.

The census of 1900 was taken as of June 1, after all the spring calves were born, while that of 1910 was taken as of April 15, before the close of the calving season and when the calves on hand were on the average younger than at the enumeration of 1900. As a result, the calves enumerated were fewer in number and of lower average value in 1910 than in 1900, the number decreasing from 37,300 to 20,601, and the average value decreasing from \$7.86 to \$6.52.

Horses are reported by 78.2 per cent of all the farms in the state, but only 2 per cent report colts born in 1909, and 0.3 per cent report spring colts. The average value of mature horses is reported at \$124.62.

Less than one farm out of every hundred reports mules. No mule colts born in the spring of 1910 are reported. The average value of mature mules is considerably higher than that of horses.

Sheep and lambs are reported from 741, or only 2.8 per cent, of all the farms in the state. Of these 741 farms, 535 report spring lambs and 692 report ewes, the latter averaging over 18 per farm reporting.

Of all farms, 33 per cent report swine, the average number being nearly 6 per farm reporting. The average value of the swine reported as "hogs and pigs born before January 1, 1910," is \$12.26, while that of spring pigs is more than one-third as much.

The following table summarizes the statistics of domestic animals on farms for the state, recorded as of April 15, 1910. Cattle and sheep are divided into age and sex groups, while horses, mules, and swine are presented by age groups only.

	FAR REPOR		ANIMALS.				
AGE AND SEX GROUP.	Num- ber.	Percent of all farms.	Number.	Value.	Aver- age value.		
Total	24, 262	90, 5		\$ 13, 1 33, 340			
Cattle	21, 315	79.5	195,318	6, 730, 287	\$34,46		
Jan. 1, 1909) Other cows (cows and heifers	20,844	77. 7	122,853	5,110,158	41,60		
not kept for milk, born be- fore Jan. 1, 1909)	5,029 8,017 8,188 2,255	18. 8 29. 9 30. 5 8. 4	17, 173 20, 767 20, 601 4, 312	441, 487 344, 484 134, 308 85, 329	25. 71 16. 59 6. 52 19. 79		
Steers and bulls born before Jan 1, 1909	3,874	14. 4	9,612	614, 521	63. 93		
Horses Mares, stallions, and goldings	20,966	78.2	46,341	5,739,400	123, 85		
born before Jan. 1, 1909 Colts born in 1909 Colts born after Jan. 1, 1910	20, 942 535 81	78. 1 2. 0 0. 3	45, 610 638 93	5, 684, 002 50, 275 5, 123	124. 62 78. 80 55. 09		
Mules Mules born before Jan. 1, 1909. Mule colts born in 1909. Mule colts born after Jan. 1, 1910.	186 182 4	0.7 0.7 (¹)	416 409 7	72,721 71,796 925	174, 81 175, 56 132, 16		
A server and business				0.054	PA E		
Assses and burros	36	0.1	41	3,057	74.50		
Swine	8, 854	33, 0	52,372	472, 741	9.00		
Jan. 1, 1910	7,375 3,171	27. 5 11. 8	30, 458 21, 914	373, 354 99, 387	12.20 4.5		
Sheep Ewes born before Jan. 1, 1910. Rams and wethers born be-	741 692	2. 8 2. 6	22, 418 12, 781	112, 349 76, 482	5, 01 5, 98		
fore Jan. 1, 1910. Lambs born after Jan. 1, 1910.	283 535	1. 1 2. 0	1,262 8,375	8, 910 26, 957	7. 00 3. 22		
Goats	98	0.4	500	2,785	5,5		

1 Less than one-tenth of 1 per cent.

Poultry on farms: 1910 and 1900.—The increase reported in the number of fowls on Connecticut farms during the past decade amounts to 15.2 per cent, while the value increased from \$644,000 to \$989,000, or 53.5 per cent. The number of farms reporting poultry increased only from 23,064 to 23,214, but the average number of fowls per farm reporting increased from 48 to 55. The value of poultry and the number of farms reporting were obtained in 1900 for the total of all fowls only, and not for each kind as in 1910.

The following table gives the numbers of the various kinds of poultry reported in 1910 and 1900, together with their value and the number of farms reporting each kind in 1910:

KIND.		1910 (April 15)								
	Farms re	porting.								
	Number.	Per cent of all farms.	Number of fowls.	Value.	Number of fowls.					
Total Chickens Turkeys Ducks Gesse Guinea fowls Figeons All other 3	23, 214 23, 161 905 1,748 957 1,052 599 7	86.6 86.4 3.4 6.5 3.6 3.9 2.2	1,265,702 1,217,723 3,911 9,813 4,196 7,653 21,988 418	\$988,653 936,701 14,137 9,559 9,406 5,480 12,230 1,140	1,098,373 1,073,026 7,717 14,100 3,530 (1) (2)					

Bees on farms: 1910 and 1900.—The number of farms reporting bees has decreased from 2,252 in 1900 to 1,798 in 1910, or 20.2 per cent. The number of colonies of bees decreased from 11,438 to 9,445, or 17.4 per cent, and their value increased from \$40,528 to \$41,839, or 3.2 per cent. The average value of bees per farm reporting was \$18 in 1900 and \$23.27 in 1910. About six farms in every one hundred report bees.

Domestic animals not on farms: 1910.—Most of the domestic animals not on farms are found in cities, towns, and villages. Statistics for such animals are shown below. No provision was made by law to secure data pertaining to poultry and bees not on farms. In the table below age groups are omitted for the sake of brevity.

•	Number of inclo-	Animals.			
KIND.	sures reporting.	Number.	Number. Value.		
Total. All cattle. Dairy cows. Horses. Mules Asses and burros Swine. Sheep. Goats.	4,126 14,868 80 18 1,325	7,896 6,152 38,520 183 26 3,882 489 395	\$6,623,579 321,093 283,180 6,225,519 32,856 1,990 36,460 2,688 2,973	\$40, 67 46, 03 161, 62 170, 54 76, 54 9, 39 5, 50 7, 53	

As would be expected, horses are by far the most important class of domestic animals not on farms, both in number and in value; cattle, about threefourths of which are dairy cows, rank next in importance.

Domestic animals on farms and not on farms: 1910.— The following table gives the total number and value of domestic animals, distinguishing those on farms from those not on farms:

			DOMESTIC	animals.			
KIND,	т	Total.		farms.	Not on farms,		
•	Number.	Value,	Number.	Value.	Num- ber.	Value.	
Total. All cattle. Dalry cows. Horses Mules Asses and burros. Swine Sheep Goats.	203,214	\$19,756,919 7,051,380 5,393,338 11,964,919 105,577 5,047 500,201 115,037 5,758	195, 318 122, 853 46, 341 416 41 52, 372 22, 418 500	\$13, 133, 340 6, 730, 287 5, 110, 153 5, 730, 400 72, 721 3, 057 472, 741 112, 349 2, 785	7,896 6,152 38,520 183 26 3,882 489 305	\$6, 623, 579 321, 093 283, 180 6, 225, 510 32, 856 1, 990 36, 460 2, 688 2, 973	

The total value of all domestic animals in the state in 1910 was \$19,757,000, of which the value of animals not on farms represented 33.5 per cent, this comparatively high proportion being attributable to the urban character of a considerable portion of the population of Connecticut. The number of horses not on farms was more than three-quarters of the number on farms, but in the case of other classes of animals the proportion not on farms was much lower.

LIVE STOCK PRODUCTS.

The returns for live stock products obtained at the census of 1910, like those for crops, relate to the activities of the calendar year 1909. It is impossible to give a total representing the annual production of live stock products for the reason that, as shown elsewhere, the total value of products from the business of raising domestic animals for use, sale, or slaughter can not be calculated from the census returns. Even if this value could be ascertained and were added to the value of the crops the sum would not correctly represent the total value of farm products, because, as already more fully explained, dupli-

cation would result from the fact that part of the crops are fed to the live stock.

Dairy products: 1909 and 1899.—The number of farms reporting dairy cows on April 15, 1910, was 20,844, but only 17,812 reported dairy products in 1909. That there should be this difference is not surprising. Doubtless some farmers who had dairy cows in 1910 had none in 1909, while other farmers neglected to give information for the preceding year, or were unable to do so, perhaps because the farm was then in other hands. Dairy products in general are somewhat less accurately reported than

Included with chickens.
 Not reported.
 Four farms report 9 peafowls, valued at \$105; 2 farms report 405 pheasants, valued at \$1,010; and 1 farm reports 4 Chinese geese, valued at \$25.
 Less than one-tenth of 1 per cent.

the principal crops. This is particularly the case as regards the quantity of milk produced. The number of farms which made any report of milk produced during 1909 was 15,324 (materially less than the total number reporting dairy products), and the number of dairy cows on such farms on April 15, 1910, was 93,874. The amount of milk reported was 45,750,000 gallons; assuming that there were the same number of cows in 1909 as in 1910, this would represent an average of 487 gallons per cow. In considering this average, however, it should be borne in mind that the quantity of milk reported is probably deficient and that the distinction between dairy and other cows is not always strictly observed in the census returns.

By reason of the incompleteness of the returns for milk produced, the Census Bureau has made no attempt to determine the total value of dairy products for 1909. For convenience a partial total has been presented comprising the reported value of milk, cream, and butter fat sold and the reported value of butter and cheese made, whether for home consumption or for sale. The total thus obtained for 1909 is \$7,669,000, which may be defined as the total value of dairy products exclusive of milk and cream used on the farm producing.

About three-fourths of the milk produced in Connecticut in 1909 was sold as such. A comparatively large quantity of milk and cream was sold on the butter fat basis. The butter made on farms in 1909 was valued at \$1,078,000.

The following table shows the principal statistics relative to dairy products in 1909, with certain comparative statistics for 1899:

	FARMS REPORTING.		371		VALU	Е.
	Num- ber.	Per cent of all farms.	Number or quantity.	Unit.	Total,	Average per unit.
Dairy cows on farms April 15, 1910	20,844	77.7	122, 858	Head		
products in 1909	17,812	66.4	112,577	Head		
On farms reporting milk produced in 1909	15,324	57.1	93,874	Head		
Specified dairy products, 1909: Milk reported Butter made Cheese made	9, 196 143		45,749,849 3,498,551 79,156	Lbs	\$1,077,658 7,352	
Milk sold. Cream sold. Butter fat sold. Butter sold. Cheese sold.		3.3 3.2 19.2	452, 427 1,063,096 2,337,834	Gals. Lbs Lbs	326,311 354,382 736,701	0.72 0.33 0.32
Total receipts from sales, 1909. Total value of milk, cream, and butter fat sold and butter and cheese made, 1909.					7,325,433 7,669,183	
Specified dairy products, 1899: Butter made. Cheese made. Butter sold. Cheese sold.	12, 188 123			Lbs Lbs		0, 24

Comparisons are made between 1909 and 1899 for but few of the census items relating to dairy products, for the reason that in 1899 estimates were made for farms with incomplete reports, which was not done at the census of 1910. The figures for milk produced

and milk sold are particularly affected, but those for butter and cheese are approximately comparable. The table shows a material decrease between 1899 and 1909 in the amount of butter made, while the production of cheese shows a decided increase.

Wool: 1909 and 1899.—The table below gives statistics as to the production of wool on farms, the figures being partly based on estimates:

	Num-		WOOL PRODUCED.			
	ber of farms report- ing.	Sheop of shearing age.	Flecces (num- ber).	Weight (pounds).	Value.	
Sheep of shearing age on farms April 15, 1910. Wool produced, as reported, 1909. On farms reporting sheep April 15, 1910. On other farms. Total production of wool (partly esti-	704 433 406 27	14,043	10,884 10,246 638	57,750 54,255 3,495	\$15,153 14,106 1,047	
mated): 1909. 1809. Decrease, 1899 to 1900. Per cent of decrease.			13, 460 23, 324 9, 864 42. 3	71,272 104,438 33,166 31.8	18,530 22,534 4,004 17.8	

The total number of sheep of shearing age in Connecticut on April 15, 1910, was 14,043, representing a decrease of 39 per cent as compared with the number on June 1, 1900 (23,021). The approximate production of wool during 1909 was 13,460 fleeces, weighing 71,272 pounds, and valued at \$18,530. Of these totals about one-fifth represents estimates. The number of fleeces produced in 1909 was 42.3 per cent less than in 1899. The average weight per fleece in 1909 was 5.3 pounds, as compared with 4.5 pounds in 1899, and the average value per pound was 26 cents, as compared with 22 cents in 1899.

Goat hair and mohair: 1909.—Although 98 farmers reported 500 goats and kids on their farms April 15, 1910, only 12 farmers reported the production of goat hair or mohair during 1909. These farmers reported 316 fleeces, weighing 1,009 pounds and valued at \$231.

Poultry products: 1909 and 1899.—The next statement gives data relative to the production and sale of eggs and poultry.

The total number of fowls on Connecticut farms on April 15, 1910, was 1,266,000. Of the 23,214 farms reporting fowls, 2,664 did not report any eggs produced in 1909, and 3,310 did not report any poultry

¹ Farmers should be able in general to report the production of wool more accurately than that of dairy products. There were, however, 298 farmers who reported the possession of 3,353 sheep of shearing age on April 15, 1910, without reporting any wool produced in 1909. Probably in a large proportion of cases this failure was due to the fact that they did not have these sheep, or did not occupy the same farm, during the preceding year. The returns of farms reporting wool in 1909 but no sheep of shearing age on April 15, 1910, would partially make up this deficiency, but it is believed that in many cases enumerators, having found that a farm had no sheep in 1910, omitted the inquiry as to wool produced. It is a fairly safe assumption that the entire production of wool in 1909 bore the same relation to the entire number of sheep of shearing age on April 15, 1910, as the production of wool on those farms reporting both production and sheep bore to the number of sheep reported on such farms. Statistics for this group of farms are given in the table, and the total wool product, estimated on the basis of the above assumption, is also given.

raised in 1909. The production of eggs actually reported for the year 1909 was 7,883,000 dozens, valued at \$2,279,000. According to the Twelfth Census reports, the production of eggs in 1899 was 7,959,000 dozens, the value being \$1,523,000. The latter figures, however, are somewhat in excess of the actual returns at that census, because they include estimates made to cover those cases where the schedules reported fowls on hand without reporting the production of eggs. In order to make the returns for 1909 comparable with those published for 1899 similar estimates have been made, the method of estimate and the justification therefor being substantially the same as in the case of wool. The total production of eggs in 1909, including these estimates, was 8,566,000 dozens, valued The total production of poultry in at \$2,476,000. 1909, including estimates made on the same basis as for eggs, was 2,046,000 fowls, valued at \$1,375,000.

	Number of farms	14 mminer of	PROD	oucr.
·	report- ing.	fowls on hand.	Quantity.	Value.
Fowls on farms April 15, 1910	23, 214	1,265,702		
On farms reporting eggs produced in 1909 On other farms	20,550 2,684	1,168,571 97,131		
Eggs produced, as reported, 1909 Total production of eggs (partly estimated):	20, 923		Dozens. 7,883,281	\$2, 278, 684
1909			8,566,343 7,959,430	2, 476, 125 1, 523, 319
Increase, 1899 to 1909 Per cent of increase Eggs sold, as reported, 1909		************	606, 913 7. 0 5, 424, 763	952,806 62.5 1,578,477
Fowls on farms April 15, 1910: On farms reporting poultry raised in 1909 On other farms	19,904 3,310	1, 152, 888 112, 814		
Poultry raised, as reported, 1909 Total poultry raised (partly esti-	20, 431		No. of fowls. 1,863,504	1,252,220
mated): 1909 1899			2,045,854	1, 374, 754 984, 207
Increase, 1899 to 1909 Per cent of increase Fowls sold, as reported, 1909	[,		848, 065	390, 547 39. 7 598, 132

Honey and wax: 1909.—Although, as noted elsewhere, 1,798 farms reported 9,445 colonies of bees on hand April 15, 1910, 677 of these farms, with 1,914 colonies on hand April 15, 1910, made no report of honey or wax produced in 1909. The actual returns show the production of 145,722 pounds of honey, valued at \$25,558, and 1,096 pounds of wax, valued at \$355; the true totals are doubtless somewhat above these figures.

Sale or slaughter of domestic animals on farms: 1909 and 1899.—The following statement presents statistics relating to the sale or slaughter of domestic animals by Connecticut farmers during the year 1909, with certain items for 1899:

	FAR REPOR		Number	VALUE	;,
	Num- ber.	Percent of all farms.	of animals.	Total.	Aver- age.
1909—All domestic animals: Sold				\$2,687,816 753,285	
Sold	9,014 622	33.6 2.3	66, 477 6, 915	319,028 54,900	\$4.80 7.94
Sold	7,979 1,743	29.8 6.5	56,564 8,756	1,737,634 186,035	30. 72 21. 25
Sold	1,202	4,5	3,225	407,012	126.48
Sold	8	(1)	95	18,577	195, 55 9 14, 00
Swine: Sold Slaughtered	2,273 7,975	8, 5 20, 7	29, 278 25, 058	170,752 497,534	5, 83 19, 86
Sheep: Sold Slaughtered Goats:	216 195	0.8 0.7	5,887 2,685	33, 447 14, 795	5.68 5.51
Sold	20 4	0.1 (1)	59 6	438 21	7.42 3.50
1899—All domestic animals: Sold 2				1, 169, 235 845, 123	

Less than one-tenth of 1 per cent.
 Schedules called for receipts from sales of animals raised on the farms reporting.

The total value of domestic animals sold during 1909 was \$2,688,000 and that of animals slaughtered on farms \$753,000, making an aggregate of \$3,441,000. This total, however, involves considerable duplication, resulting from the resale or slaughter of animals which had been purchased by the farmers during the same year. The value of the cattle (including calves) sold during 1909 represented about 80 per cent of the total value of animals sold.

The census of 1900 called for the receipts from the sale of all domestic animals raised on the farms reporting and the total value of those slaughtered during 1899, which amounted, respectively, to \$1,169,000 and \$845,000. The item of sales is not closely comparable with that for 1909, when the inquiry covered all sales, whether of animals raised on the farms reporting or elsewhere. It is believed, however, that in many cases the returns for 1899 also included receipts from sales of animals not actually raised on the farms reporting.

CROPS.

Summary: 1909 and 1899.—The next table summarizes the census data relative to all of the farm crops of 1909 and 1899. It includes not only general farm crops, but also flowers and plants, nursery products, and forest products of farms. In comparing one year with the other it should be borne in mind that acreage is on the whole a better index of the general changes or tendencies of agriculture than either the quantity or the value of the crops, since variations in

quantity may be due largely to temporarily favorable or unfavorable climatic conditions, and variations in the value of the crops are largely affected by changes in prices. (See also discussion of "Total value of farm products.")

The total value of crops in 1909 was \$22,488,000. Of this amount 85.2 per cent was contributed by crops for which the acreage as well as the value was reported, the remainder consisting of the value of

by-products (straw, garden and grass seeds, etc.) derived from the same land as other crops reported, or of orchard fruits, nuts, forest products, and the like. The combined acreage of crops for which acreage was reported was 534,846, representing 54.1 per cent of

the total improved land in farms (988,252 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 for which was not reported.

•		ACRE	s.	٠		ent of		VALUE	OF PRODUCTS	i .		
	1000	4000	Inci	ease.1		ED LAND PLED.	1000	1500	Increase.1		Per cent of total.	
	1909	1899	Amount.	Per cent.	1909	1899	1909	1899	Amount.	Per cent.	1909	1899
All crops							\$22, 487, 999	\$16,625,589	\$5,862,410	35. 3	100.0	100.
Crops with acreage reports. Cereals. Other grains and seeds. Hay and forage. Tobacco. Sugar crops. Sundry minor crops. Potatoes and sweet potatoes and yams. Other vegetables. Flewers and plants and nursery products. Small fruits.	401,322 16,042 0 (a)	603, 357 72, 032 373 478, 555 10, 119 27, 150 12, 349 792 1, 987	-68, 511 2, 051 -160 -77, 233 5, 923 9 -3, 150 3, 901 538 -390	-11. 4 2. 8 -42. 9 -16. 1 58. 5 -11. 6 31. 6 67. 9 -19. 6	54. 1 7. 5 (2) 40. 6 1. 6 (2) (2) (2) 2. 4 1. 6 0. 1 0. 2	56.7 6.8 (2) 45.0 1.0 2.6 1.2 0.1	19, 166, 472 2,039, 211 7,381 7, 224, 500 4,415, 948 1,043 1,886, 232 1,965, 635 1,308, 937 316, 752	14, 227, 786 1, 251, 888 10, 877 6, 001, 280 3, 074, 022 1, 714, 751 1, 266, 902 629, 693 278, 373	4,938,686 787,323 -3,496 1,223,220 1,341,926 1,043 833 171,481 608,733 679,244 38,379	34. 7 62. 9 -32. 1 20. 4 43. 7 10. 0 55. 2 107. 9 13. 8	85. 2 9. 1 (2) 32. 1 19. 6 (2) (2) 8. 4 8. 7 5. 8 1. 4	85. 7. 0. 86. 18. 10. 7.
Props with no acreage reports			••••••				3, 321, 527 39, 731 1, 375, 699 6, 988 1, 861, 853 37, 256	2,397,803 44,429 41,071,903 1,736 1,275,720 4,015	923,724 4,698 303,796 5,252 586,133 33,241	38. 5 10. 6 28. 3 302. 5 45. 9 827. 9	14.8 0.2 6.1 (2) 8.3 0.2	14. 0. 6. (2) 7.

¹ A minus sign (-) denotes decrease ² Less than one-tenth of 1 per cent.

The general character of Connecticut agriculture is indicated by the fact that only 9.1 per cent of the total value of crops in 1909 was contributed by the cereals, while nearly one-third (32.1 per cent) was contributed by hay and forage, nearly one-fifth (19.6 per cent) by tobacco, and about one-sixth (17.1 per cent) by potatoes and other vegetables. The remainder, representing in value about 22 per cent of the total, consisted mostly of forest products, fruits and nuts, flowers and plants, and nursery products.

The total value of crops in 1909 was 35.3 per cent greater than that in 1899, this increase being due in large measure to higher prices. There was a decrease of 11.4 per cent in the total acreage of crops for which acreage was reported, this being due largely to a decrease in the acreage of hay and forage.

General farm crops, minor grains and seeds, and sundry minor crops: 1879 to 1909.—The table presents statistics for 1909 regarding cereals, other grains and seeds, hay and forage, potatoes, tobacco, and sundry minor crops.

The leading crops covered by the table, in the order of their importance as judged by value, are hay and forage, \$7,225,000; tobacco, \$4,416,000; potatoes, \$1,882,000; and corn, \$1,694,000. It should be noted, however, that vegetables (other than potatoes and sweet potatoes and yams), statistics for which are reported in another table, are more important than corn.

By far the most important crop of the state in acreage and value is hay and forage, it being almost eight times as great in extent as corn, the second crop in acreage, and valued at more than 60 per cent above tobacco, the second crop in value. Potatoes,

with an acreage of about 50 per cent above that of tobacco, show a value less than half as great. Corn, with an acreage a little more than double that of potatoes, is reported at 10 per cent less in value, while oats fall in acreage and value, respectively, to one-fifth and one-tenth of that of corn.

CROP.	Farms report-	Acres	QUANTI	TY.	Value.
	ing.	vested.	Amount.	Unit.	varuo.
Cereals, total Corn. Oats. Wheat, total. Common winter. Common spring Emmer and spolt.	16,340 3,192 293 257 37	74, 083 52, 717 10, 207 616 570 46	3, 008, 251 2, 530, 542 273, 804 11, 869 11, 115 754	Bu Bu Bu Bu Bu	\$2,039,211 1,693,939 161,188 12,567 11,758 809
Barley. Buckwheat. Rye. Kafir corn and milo maize.	90 1,649	2,797 7,601	2, 474 51, 751 137, 692 105	Bu Bu Bu Bu	12 2,031 45,532 123,848 94
Other grains and seeds with acreage report, total ¹ Dry edible beans Seeds with no acreage re-	717	213 208	2, 923 2, 845	Bu	7,045
port, total ² Flower and garden seeds	44	(8) (8)			39, 731 37, 302
Hay and forage, total Timothy alone. Timothy and clover mixed Clover alone. Alfalfa. Millet or Hungarian grass. Other tame or cultivated	429 116	401, 322 58, 974 127, 920 1, 598 516 2, 982	549, 366 82, 083 147, 896 2, 562 731 4, 510	Tons. Tons. Tons. Tons. Tons.	7, 224, 500 1, 433, 492 2, 388, 667 38, 144 12, 544 57, 283
grasses. Wild, salt, or prairie grasses. Grains out green. Coarse forage. Root forage	11, 148 1, 606 4, 338 2, 572 189	171, 141 13, 235 11, 110 13, 750 96	159, 365 13, 892 21, 019 116, 425 883	Tons. Tons. Tons. Tons. Tons.	2, 349, 616 141, 730 240, 604 542, 780 9, 640
Potatoes. Sweet potatoes and yams. Tobacco Sundry minor crops, total 4	21, 486 23 2, 869	23, 959 41 16, 042 (⁵)	2, 684, 414 4, 133 28, 110, 453	Bu Bu Lbs	1, 882, 197 4, 035 4, 415, 948 833

⁴ Includes value of raisins and other dried fruits, wine, cider, vinegar, etc.

¹ Includes small amounts of flaxseed, dry peas, and tobacco seed.
2 Includes small amounts of grass seeds.
3 The entire acreage from which these seeds were secured is believed to be included in the acreage given elsewhere for hay and forage, flowers and plants, etc.
4 Includes small amounts of broom corn, ginseng, and hops,
5 Less than 1 acre.

Among the hay and forage crops "other tame or cultivated grasses" leads in farms reporting in acreage and in yield, although "timothy and clover mixed" is reported at a little higher value. Third in order in both acreage and value is "timothy alone."

The fluctuations in the acreages of some of the principal crops during the past 30 years are shown in the following table:

	ACRES HARVESTED.								
CROP YEAR.	Corn.	Oats.	Rye.	Hay and forage.	Potatoes.	Tobacco.			
1909	52, 717 47, 914 40, 445 55, 796	10, 207 9, 883 24, 428 36, 691	7,601 10,282 16,100 29,794	401, 322 478, 555 511, 728 542, 495	23, 959 27, 148 23, 090 27, 789	16,042 10,119 6,331 8,666			

The acreage of corn decreased very greatly from 1879 to 1889, since which time it has shown a considerable increase, though there is still a net loss of over 3,000 acres for the 30-year period. Oats decreased in acreage during the three decades over 72 per cent, notwithstanding a slight increase from 1899 to 1909. The acreage of rye shows a decrease for the 30 years of 74.5 per cent. The total acreage of cereals increased slightly during the decade, there being 72,032 acres in 1899 and 74,083 acres in 1909.

In the acreage of potatoes there has been a constant fluctuation. Starting with nearly 28,000 acres in 1879, there was a decrease of nearly 5,000 acres in 1889, an increase nearly equaling this loss during the next decade and a decline between 1899 and 1909 of over 3,000 acres. The acreage of tobacco, after a decrease of over one-fourth between 1879 and 1889, increased during the next 20 years to more than two and a half times the acreage of 1889.

The next table shows for 1909 and 1899 the percentage which the farms reporting specified crops represented of all farms, the percentage of improved land devoted to these crops, and the percentage of increase or decrease in the acreage of each crop during the decade, together with the average yields and average values per acre for 1909.

CROP.	PER CENT OF FARMS REPORTING.		PER CE IMPRO LAI	OEVO	Per cent of increase in acres.	AVERAGE YIELD PER ACRE.	AVERAGE VALUE PER ACRE,
·	1909	1899	1909	1899	1899 to 1909.1	1909	1909
Corn Oats Buckwheat Rye Hay and forage Potatoes Tobacco	60.9 11.9 6.1 13.5 87.5 80.1 10.7	60. 2 12. 0 7. 0 17. 0 94. 6 82. 2 10. 8	5.3 1.0 0.3 0.8 40.6 2.4 1.6	4.5 0.9 0.3 1.0 45.0 2.6 1.0	10.0 3.3 -18.3 -26.1 -16.1 -11.7 58.5	48.0 Bu. 26.8 Bu. 18.5 Bu. 18.1 Bu. 1.37 Tons. 112.0 Bu. 1,752.3 Lbs.	\$32, 13 15, 70 16, 28 16, 29 18, 00 78, 56 275, 27

1 A minus sign (-) denotes decrease.

Seven-eighths of the farms report hay and forage, eight-tenths report potatoes, and six-tenths report corn; none of the other crops are reported by a large proportion of the farms, rye coming next in order below corn, but with a frequency less than one-fourth as great, oats and tobacco ranking still lower.

The crops enumerated in the last table account for 52 per cent of all improved land, the remaining 48 per cent being occupied by crops not here enumerated and by building sites and pasture.

During the past decade the increases in acreage are in tobacco, corn, and oats; the decreases are in rye, buckwheat, hay and forage, and potatoes.

The acreage of hay and forage is fairly evenly distributed over the state. The counties of Litchfield and Fairfield rank first and second, with Middlesex last. The decrease in acreage during the past decade is likewise general, being shared in by every county and in not widely differing degrees. The acreage in corn varies by counties from about 13,600, a fourth of that for the state, in Hartford County, down to less than 3,000 acres in Middlesex County. The increase during the past decade includes every county, except Fairfield, Litchfield, and Windham. More than one-third of the oats is reported for Litchfield County, the next county in order being Fairfield. Nearly seven-eighths of the acreage of tobacco is reported from Hartford County.

Vegetables, flowers and plants, and nursery products: 1909 and 1899.—The table which follows shows details with regard to vegetables (not including potatoes and sweet potatoes and yams, which appear elsewhere) and also with regard to flowers and plants and nursery products:

	FAR REPOR 19	TING,	ACR	es.	VALUE OF PRODUCTS,		
CROPS.	Num- ber.	Per cent of all farms.	1909	1899	1909	1899	
Vegetables, other than po- tatoes and sweet potatoes and yams, total	1 20, 775 571 20, 204	2.1	4,730	12, 349	, ,	\$1,266,902	
Flowers and plants, total Farms reporting a prod- uct of \$250 or over All other farms	250 206 44	0.8		187	1,047,431 1,042,222 5,209		
Nursery products, total Farms reporting a prod- uct of \$250 or over All other farms	32 28	0.1	770	605	261,506 257,362 4,144	142, 355	

 $^{^{\}rm 1}$ Does not include 1,016 farms which reported that they had vegetable gardens, but gave no information as to their products.

In 1909 the total acreage of potatoes and other vegetables was 40,250 acres and their value \$3,851,867. Excluding (so far as reported separately 1) potatoes and sweet potatoes and yams, the acreage of vegetables was 16,250 and their value \$1,966,000, both acreage and value being materially greater than in 1899. The table distinguishes between farms which make the raising of vegetables a business of some importance (having produced vegetables valued at \$500 or more in 1909) and other farms, on most of which vegetables are raised mainly for home consumption. While there

¹ It is probable that some of the potatoes and sweet potatoes and yams raised in farm gardens were not reported separately by farmers, but were included in their returns for vegetables.

were in 1909 only 571 farms in the first class, they reported somewhat less than one-third of the total acreage of vegetables and about two-fifths of the total value, the average acreage of vegetables per farm for these farms being 8.3 and the average value of products per acre \$169.

The raising of flowers and plants and of nursery products is also relatively important in Connecticut, 1,330 acres being devoted to them in 1909, and the output being valued at \$1,308,937. Most of the product was raised on a few farms where these branches of agriculture were carried on as an important business.

Small fruits: 1909 and 1899.—The following table shows data with regard to small fruits on farms:

	Number of farms	ACE	es.	Quantity	YZoloo
CROP.	report- ing, 1909	1909	1899	(quarts), 1909	Value, 1909
Small fruits, total Strawberries Blackberries and dewberries. Raspberries and loganberries. Currants Goosaberries Cranberries Charberries Charberries	2, 260 555 943 570	1,597 993 128 289 54 9 123	1,987 971 177 366 175 7 275 16	3,823,522 3,016,295 192,752 384,256 74,488 9,023 145,408 1,300	\$916,752 235,648 16,869 46,618 7,056 878 9,555

Strawberries were by far the most important of the small fruits grown in Connecticut, with raspberries and loganberries ranking next. The total acreage of small fruits in 1909 was 1,597 and in 1899, 1,987, a decrease of 19.6 per cent. The production in 1909 was 3,824,000 quarts, as compared with 3,839,000 quarts in 1899, and the value \$317,000, as compared with \$278,000.

Orchard fruits, grapes, and nuts: 1909 and 1899.—The next table presents data with regard to orchard fruits, grapes, and nuts. The acreage devoted to these products was not ascertained. In comparing one year with the other the number of trees or vines of bearing age is on the whole a better index of the general changes or tendencies than the quantity of product, but the data for the censuses of 1910 and 1900 are not closely comparable, and the product is therefore compared, although variations may be due largely to temporarily favorable or unfavorable climatic conditions.

The total quantity of orchard fruits produced in 1909 was 1,874,000 bushels, valued at \$1,327,000. Apples contributed more than four-fifths of this quantity, peaches and nectarines and pears most of the remainder. The production of grapes and nuts was relatively unimportant. The nuts consisted chiefly of hickory nuts, black walnuts, butternuts, and chestnuts.

The production of all orchard fruits in 1909 was 51.2 per cent less in quantity than in 1899, and grapes also showed a decrease. The value of orchard fruits increased from \$1,011,000 in 1899 to \$1,327,000 in 1909, and that of grapes from \$43,112 in 1899 to \$43,523 in 1909. It should be noted in this connection that the values for 1899 include the value of more advanced products derived from orchard fruits or

grapes, such as cider, vinegar, dried fruits, and the like, and may therefore involve some duplication. while the values shown for 1909 relate only to the products in their original condition.

	VIN	es or es of	VINES	es or Not of		PRODUCT.	
CROP.		NG AGE, 910		NG AGE,	19	009	1899
	Farms report- ing.		Farms report- ing.		Quan- tity.1	Value.	Quan- tity,1
Orchard fruits, total	19, 461 3, 413 8, 385 3, 863 3, 326 75	1,369,515 798,734 461,711 56,788 30,209 12,119	5,006 2,536 2,380 1,643	211, 839 338, 608 23, 731 13, 200	269, 990 41, 322 13, 663	417, 598 41, 652 19, 419 8, 104	3,708,031 61,775 41,485 9,733 12,271
Quinces	1,995 2	9,826	628	10, 701	4, 627	7,027 7	(2) (2) 8 4,846
Grapes	4,170	107,054	* 856	61,670	1,317,682	43,523	1,822,900
Nuts, total Black walnuts Hickory nuts Unclassified	253 396	4 9,248 3,188 3,792	34	4 10,349 2,636 5,385	45,304	1,856	(2)

1 Expressed in bushels for orchard fruits and pounds for grapes and nuts.
2 Included with "unclassified."
3 Consists of products not separately named by the enumerator, but grouped under the designation "all other."
4 Includes pocans, Spanish chestnuts, Japanese walnuts, chestnuts, butternuts, and hazelnuts.

The following table shows the quantities of the more advanced products manufactured by farmers from orchard fruits and grapes. Values were not called for on the schedule.

PRODUCT.	REPO	RMS RTING,	QUA	NTITY PROD	UCED,
radbut.	Num- ber.	Per cent of all farms.	Unit.	1909	1899
Cider. Vinegar Wine and grape juice. Dried fruits	7, 428 1, 819 702 20	27. 7 6. 8 2. 6 0. 1	Gals Gals Gals Lbs	1,291,984 147,346 30,572 549	1, 649, 592 140, 364 26, 589 620

Sugar crops: 1909 and 1899.—The table below shows data with regard to maple trees and their products, and also for sorghum cane, which in this state are unimportant. The total value of maple sugar and sirup produced in 1909 was \$6,988, as compared with \$1,736 in 1899.

		rms rting.			PRODUCT,	
PRODUCT.	Num- ber.	Per cent of all farms.	Acres.	Amount.	Unit.	Value.
Maple sugar and sirup: Total, 1909. Sugar made. Sirup made. Total, 1899. Sugar made. Sirup made. Sirup made. Sirup made. Sorghum cane, 1909 2	307 85 293 59	1.1 0.3 1.1 0.2	1 12, 296	10, 207 4, 236 4, 930 948 121	LbsGalsGalsTons	\$6,988 2,134 4,854 1,736 750 986 1,043

¹ Number of trees.

² Used as coarse forage.

Forest products: 1909 and 1899.—The census schedules for 1910 called for the "value of all firewood, fencing material, logs, railroad ties, telegraph and telephone poles, materials for barrels, bark, naval stores, or other forest products cut or produced in 1909, whether used on farm, sold, or on hand April 15,1910;" and also, in a separate item, for the "amount received from sale of standing timber in 1909." There were 15,378 farms in Connecticut (57.3 per cent of all farms in the state) which reported forest products in 1909, the total value of such products being \$1,861,853, as compared with \$1,275,720 in 1899, an increase of 45.9 per cent. Of the value in 1909, \$743,211 was reported as that of products used or to be used on the farms themselves, \$781,723 as that of products sold or for

sale, and \$336,919 as the amount received for standing timber. It should be noted that forest products not produced on farms are not included in this report.

Miscellaneous crops: 1909.—Straw and cornstalks derived as by-products from the production of grain and corn have a considerable value for feed and other purposes. They are, however, mainly consumed on the farms producing them. The Census Bureau made no attempt to ascertain the total quantity or value of these products, but the schedules called for the quantity and value of those sold during the year 1909. The returns show that 640 farmers in Connecticut sold, during 1909, 1,824 tons of straw, for which they received \$28,449 and that 328 farmers sold 1,267 tons of cornstalks and leaves, for which they received \$8,807.

SELECTED FARM EXPENSES AND RECEIPTS.

Farm expenses: 1909 and 1899.—The following table shows the number of farms reporting expenditures for labor, feed, and fertilizer at the census of 1910, as well as the sums expended in 1909 and 1899:

		1909		1899	INCREASE.		
Expense.	Farms re	porting.	,				
	Number.	Per cent of all farms.	Amount.	Amount.	Amount.	Per cent.	
Labor Feed Fertilizer	17,955 21,569 15,584	67. 0 80. 4 58. 1	\$6,881,619 5,416,108 1,954,163	\$4,103,420 (1) 1,078,240	\$2,778,199 875,923	67. 7 81. 2	

1 Not reported at the census of 1900.

Over two-thirds of the farmers in Connecticut hire labor, and the average amount expended by those hiring is \$383. About one-fifth of the amount expended for labor is in the form of rent and board, and the total amount expended is more than one and two-thirds times as great as that reported in 1900. At prior censuses no tabulation was made of the number of farmers reporting expenditures for labor.

About four-fifths of all Connecticut farms report some expenditure for feed, while about three-fifths

report the purchase of fertilizer. There is a marked increase—81.2 per cent—since 1899 in the total amount reported as paid for fertilizer, the average for those reporting being \$125 per farm.

Receipts from sale of feedable crops: 1909.—An effort was made at the census of 1910 to secure as complete a statement as possible of the sales, as well as of the production of the more important feedable crops (that is, crops ordinarily fed to live stock). The following table summarizes the data reported:

	FAR REPOR		QUANTIT	Y SOLD.	Amount
CROP.	Number.	Percent of all farms.	Amount.	Unit.	received.
Total. Corn. Oats. Hay and coarse forage	233 44 3,120	0.9 0.2 11.6	23,255 1,928 29,722	Bu Bu Tons	\$510, 307 18, 781 1, 282 490, 244

While the total amount expended by Connecticut farms for the purchase of feed in 1909 was \$5,416,000, the total receipts from sales of feed by those reporting sales amounted to only \$510,000, of which \$490,000 was for hay and coarse forage.

COUNTY TABLES.

Tables 1 to 6, which follow, present by counties the more important agricultural data collected at the Thirteenth Census, 1910.

Table 1 shows the population, number of farms, land and farm area, value of farm property, and number and value of domestic animals and of poultry and bees, as of April 15, 1910. Comparative data for June 1, 1900, are given in italics for certain items.

Table 2 gives the number of farms, the farm acreage, and the value of farm property operated by owners, tenants, and managers, collected as of April 15, 1910. Statistics of farm mortgages are included in this table. (See explanation in text.) Comparative data for June 1, 1900, are given in italics for certain items.

Table 3 gives statistics pertaining to the products

of live stock on farms (dairy products, poultry and eggs, honey and wax, and wool and mohair); also the number and value of all domestic animals sold or slaughtered on farms for the year 1909.

Table 4 shows the total value of farm crops and the principal classes thereof, together with the acreage (or trees of bearing age) and production of the principal crops for the year 1909.

Table 5 gives statistics relating to selected farm expenses for 1909 and also shows the receipts from the sale of feedable crops.

Table 6 shows the number and value of domestic animals in barns and inclosures not on farms, by classes, together with the number of dairy cows and mature horses and mules, on April 15, 1910.

AGRICULTURE—CONNECTICUT.

TABLE 1.-FARMS AND FARM PROPERTY, BY COUNTIES: APRIL 15, 1910.

[Comparative data for June 1, 1900, in italics.]

Ī		THE STATE.	Fairfield.	Hartford.	Litchfield.	Middlesex.	New Haven.	New London.	Tolland.	Windham.
1 2	Population	1, 114,756 908,420	245,322 184,208	250, 182 195, 480	70,260 63,672	45,637 41,760	337, 282 269, 163	91,253 82,758	26,459 24,523	48,361 46,861
3 4	Number of all farms. Number of all farms in 1900.	28,815 26,948	4,625 4,727	5,201 5,110	3,837 4,164	1,852 1,788	3,750 3,472	3,030 <i>3,014</i>	2,161 2,120	2,359 2,553
567	Color and nativity of farmers: Native white Foreign-born white Negro and other nonwhite	19,841 6,861 113	3,449 1,151 25	3,715 1,457 29	2,994 828 15	1,297 551 4	2,593 1,150 7	2,380 628 22	1,533 625 3	1,880 471 8
8 9 10 11 12	Number of farms, classified by size: Under 3 acres. 3 to 9 acres 10 to 19 acres. 20 to 49 acres. 50 to 99 acres.	223 2,693 3,119 6,806 6,634	46 586 723 1,389 1,079	56 672 787 1,412 1,219	16 265 272 601 942	15 180 230 452 481	59 477 457 999 936	21 211 241 524 769	3 145 200 452 613	7 157 209 477 595
13 14 15 16 17	100 to 174 acros. 175 to 259 acres. 260 to 499 acres. 500 to 999 acres. 1,000 acres and over. LAND AND FARM AREA		567 150 68 15 2	736 204 91 20 4	1,008 398 274 53 8	329 99 44 15 7	557 172 76 13 4	770 292 167 25 10	492 159 79 17 1	540 228 112 80
18 19 20 21 22 23 24	Approximate land area acres. Land in farms in 1900 acres. Land infarms in 1900 acres. Improved land in farms acres. Improved land in farms acres. Other unimproved land in farms acres.	3, 084, 800 2, 185, 788 2, 812, 083 988, 252 1,064, 525 757, 743 439, 793	403,840 267,561 280,106 141,310 162,061 69,959 56,292	406,560 328,218 848,806 172,055 198,562 104,578 50,985	592,000 438,339 471,151 209,918 250,287 143,307 85,114	236, 160 149, 625 150, 605 53, 495 61, 491 70, 157 25, 973	385, 920 248, 049 260, 305 123, 888 126, 446 81, 701 42, 460	421,760 318,371 524,706 126,526 127,331 118,356 70,489	258, 560 194, 248 205, 693 68, 975 65, 608 78, 784 46, 489	320,000 241,377 270,711 88,485 102,789 90,901 61,991
25 26 27 28	Per cent of land area in farms. Per cent of farm land improved. Average acres per farm. Average improved acres per farm.	70, 9 45, 2 81, 5 36, 9	66.3 52.8 57.9 30.6	70.3 52.6 63.1 33.2	74.0 47.9 114.2 54.7	63. 4 35. 8 80. 8 28. 9	64.3 49.9 66.1 33.0	75.5 40.7 105.1 42.7	75. 1 85. 5 89. 9 31. 9	75.4 36.7 102.3 37.5
29 80 31	VALUE OF FARM PROPERTY All farm property	159,399,771 113,305,580 40.7	43, 322, 640 25, 502, 287 69. 9	35,416,482 24,990,812 41.7	21,835,643 16,165,985 35.1	7,931,817 6,002,487 32.1	21,049,769 15,874,024 32.6	.12,541,114 10,436,511 20.2	7,995,337 5,946,266 34.5	9,306,969 8,587,508 11.0
32 33 34 35 36 37 38 39	Land in 1900. dollars Land in 1900. dollars Buildings	72, 206, 058 52, 441, 508 66, 113, 163 44, 983, 560 6, 916, 648 4, 948, 300 1 14, 163, 902 10, 982, 212	23, 103, 353 15, 264, 060 16, 577, 929 9, 571, 680 1, 333, 465 905, 450 12, 307, 893 1, 765, 097	14,674,813 11,271,468 16,165,939 10,622,840 1,691,732 1,102,650 2,883,998 1,993,974	9,146,722 7,115,280 9,140,247 6,241,690 973,549 677,690 2,575,125 2,181,325	3,109,704 2,699,550 3,690,265 2,586,160 305,030 287,210 766,818 629,517	10,048,504 7,755,910 8,220,725 6,018,350 930,695 713,280 1,849,845 1,408,484	5,286,598 4,652,210 4,099,080 4,058,190 633,502 473,170 1,621,354 1,252,941	3,040,784 2,379,580 3,471,407 2,499,080 460,408 353,190 1,022,738 783,766	3,795,580 8,825,700 3,846,991 5,584,720 528,227 467,780 1,130,131 1,019,105
40 41 42 43	Buildings Implements and machinery Domestic animals, poultry, and bees. Average values:	45.3 41.5 4.3 8.9	53.3 38.3 3.1 5.3	41. 4 45. 6 4. 8 8. 1	41.9 41.9 4.5 11.8	39.2 46.5 4.6 9.7	47.7 39.1 4.4 8.8	42. 2 39. 9 5. 1 12. 9	38.0 43.4 5.8 12.8	40.8 41.3 5.7 12.2
44 45 46 47	All property per farm. dollars. Land and buildings per farm. dollars. Land per acre. dollars. Land per acre in 1900. dollars.	5,944 5,158 33.03 22.68	9,367 8,580 86.35 47.35	6,810 5,930 44.71 52.31	5,691 4,766 20.87 15.10	4,283 3,672 20.78 17.99	5,613 4,872 40.51 29.71	4, 139 3, 395 16. 61 14. 53	3,700 8,014 15.65 11.57	3,041 3,240 15.73 12.20
48 49	DOMESTIC ANIMALS (farms and ranges) Farms reporting domestic animals. dollars Cattle:	24,262 13,133,340	4,137 2,102,567	4,708 2,693,014	3,530 2,446,563	1,657 707,820	3,310 1,682,215	2,813 1,489,220	1,966 951,535	2,14 1,060,40
50 51 52 53 54 55 56 57	Total number. Dairy cows Other cows. Yearling helfers. Calves. Yearling steers and bulls. Other steers and bulls. Value. dollars	20,601	26,393 17,280 2,062 2,586 2,976 462 1,018 1,026,482	33,052 21,899 2,432 3,797 3,272 627 1,025 1,204,886	41, 685 26, 539 4, 075 4, 168 4, 428 831 1, 644 1,387, 348	10,938 6,036 868 1,185 1,095 408 1,346 371,769	22,880 14,710 1,892 2,242 2,670 451 915 810,981	25,362 14,896 2,572 2,586 2,673 650 1,985 819,361	16,507 9,863 1,518 2,014 1,855 485 972 552,183	18,50 11,62 1,75 2,18 1,83 39 70 567,27
58 59 60 61 62	Horses: Total number Mature horses Yearling colts Spring colts Value dollars	46,341 45,610	7,861 7,743 104 14 984,076	9,750 9,636 98 16 1,351,339	7,851 7,699 126 26 946,362	2,527 2,460 54 7 296,794	6,289 6,206 72 11 769,127	5,008 4,906 95 7 584,738	3,165 3,128 29 8 356,759	3,89 3,82 6 450,20
63 64 65 66 67	Total number. Mature mules. Yearling colts.	1 7	92 91 1	114 114	5	27 27	57 57	30 30	19 19	1
67 68 69	Asses and burros: Numberdollarsdollars	72,721 41 3,057	14,525 14 555	21,256 5 235	12,225 9 865	4,990 1 12	9,435 5 185	4, 125 3 60	4,250 2 1,050	1,91
70 71 72 73	Mature hogs	52,372 30,458 21,914 472,741	7,410 4,335 3,075 68,086	10,873 6,567 4,306 94,867	9,286 4,864 4,422 81,133	1,078	8,640 5,442 3,198 79,139	5,485 2,819 2,666 51,062	3,278 1,916 1,362 30,005	1,80
74 75 78 7 7	Sheep: Total number Rams, ewes, and wethers Spring lambs Value Goats: dollars	22, 418 14, 043 8, 375 112, 349	1,470 903 567 8,312	3,179 2,019 1,160 20,006	3,261 1,968 1,293 18,348	1,093 658 435 4,616	2,862 1,714 1,148 12,884	6,576 4,291 2,285 29,556	1,453 849 604 7,062	88
78 79	Number	500 2,785	65 531	94 425	70 282	32 239	49 464	117 318	13 226	80
80 81 82 83	Number of poultry of all kinds	1,265,702 988,653 9,445 41,839	232,970 195,683 1,999 9,573	238,201 186,375 1,045 4,609	165, 867 122, 252 1, 430 6, 310	75,680 56,132 673 2,866	197,569 161,591 1,308 6,039	150, 102 123, 896 2, 010 8, 238	98,573 69,024 496 2 ,179	73,70

TABLE 2.—NUMBER, ACREAGE, AND VALUE OF FARMS CLASSIFIED BY TENURE; COLOR AND NATIVITY OF FARMERS; AND MORTGAGE DEBT, BY COUNTIES: APRIL 15, 1910.

[Comparative data for June 1, 1900, in italics.]

					<i>.</i>					
		THE STATE.	Fairfield.	Hartford.	L itchfield.	Middlesex.	New Haven.	New London.	Tolland.	Windham,
	FARMS OPERATED BY OWNERS				_					
2 3 4	Number of farms. Number of farms in 1900. Per cent of all farms. Per cent of all farms in 1900.	86.6	3,877 4,012 83.8 84.9	4,567 4,357 87.8 85.3	3, 278 3, 448 85. 4 82. 8	1,704 1,019 92.0 90.5	3,319 #,078 88.5 85.6	2,523 \$,358 83.3 78.1	1,961 1,865 90.7 87.4	2,005 2,090 85.0 81.9
5 6 7	Land in farms acres Improved land in farms acres Value of land and buildings dollars Degree of ownership:	1,831,807 827,009 106,841,306	207,714 100,508 25,070,509	284, 254 149, 503 26, 128, 926	356, 200 171, 078 14, 324, 391	135, 196 48, 149 5, 874, 164	217, 038 107, 961 15, 728, 625	256, 703 105, 945 8, 156, 108	174,433 61,055 5,725,258	200,269 73,810 5,833,325
8 9	Farms consisting of owned land only	22,147 1,087	3,700 177	4,304 263	3, 132 146	1,645 59	3,113 206	2,413 110	1,898 63	1,942 63
10 11 12	Native white Foreign-born white. Negro and other nonwhite.	17,150 5,996 79	2,917 946 14	3,250 1,295 22	2,561 707 10	1,187 515 2	2,310 1,004 5	1,973 534 16	1,375 583 3	1,586 412 7
13 14 15 10	FARMS OPERATED BY TENANTS Number of farms. Number of farms in 1900. Per cent of all farms. Per cent of all farms in 1900.	8.467	454 576 0.8 12.2	483 669 9.3 18.1	404 596 10.5 14.3	104 115 5.6 6.4	343 381 9. 1 11. 0	432 507 14.3 10.8	137 211 6.3 10.0	275 322 11.7 12.6
17 18 19	Land in farms acres Improved land in farms acres Value of land and buildings dollars Form of tenancy:	1 1	28,798 15,100 3,105,785	27,628 14,799 2,707,980	50,089 24,764 1,857,825	7,107 2,886 316,305	20,275 10,404 1,841,884	46,714 18,771 1,423,550	9,375 3,132 334,213	27, 346 9, 763 717, 425
20 21 22 23	Share tonants. Share-cash tenants. Cash tenants. Tenure not specified. Color and nativity of tenants:	288 42 1,795 507	38 5 304 - 107	91 9 318 65	93 15 205 91	0 1 72 25	15 4 266 58	27 6 331 68	12 2 99 24	200 69
24 25 26	Native white Foreign-born white Negro and other nonwhite		346 103 5	346 132 5	317 83 4	72 30 2	219 122 2	343 85 4	104 33	231 44
27 28 29 30 31	FARMS OPERATED BY MANAGERS Number of farms Number of farms in 1900. Land in farms Improved land in farms acres Value of land and buildings dollars	136,649 61,558	294 189 31,049 10,636 11,504,988	151 84 10,336 8,353 2,003,846	14,076	7,322 2,460 609,500	88 118 10,736 5,523 1,198,720	75 64 14,954 4,810 706,600	03 56 10,440 4,788 452,720	70 141 13,762 4,912 1,001,821
32 33 34	MORTGAGE DEBT REPORTS 1 For all farms operated by owners: Number free from mortgage debt Number with mortgage debt Number with no mortgage report. For farms consisting of owned land only:	9,958	2,333 1,513 31	2,265 2,259 43	1,848 1,411 19		1,689 1,578 52	1,546 954 23	1,050 906 5	1,842 653 10
35 36 37 38	For farms consisting of owned land only: Number reporting debt and amount Value of their land and buildingsdollars Amount of mortgage debtdollars Per cent of value of land and buildings	9,062 37,906,308 11,859,468	1,388 7,776,552 2,058,286 26.5	2,040 10,627,737 3,405,561 32,0	1,272 4,952,669 1,666,150 33.6	1,878,044 541,556 28.8	1,398 6,048,495 1,878,899 31.1	2,679,900 939,153 35.0	2,291,958 829,003 36,2	1,650,953 540,860 32.8

¹No mortgage reports were secured for farms operated by tenants and managers. (See explanation in text.)

Table 3.—LIVE STOCK PRODUCTS, AND DOMESTIC ANIMALS SOLD OR SLAUGHTERED ON FARMS, BY COUNTIES: 1909.

	LIVE STOCK PRODUCTS	-	,							
1 2 3 4 5	Dairy Products Dairy cows on farms reporting dairy products Dairy cows on farms reporting milk produced Milk—Produced Sold	112,577 93,874 45,749,849 34,000,152 452,427 1,063,096	15,761 14,804 7,713,654 6,022,789 5,812 2,378	20, 547 18, 261 9, 529, 317 6, 371, 795 128, 530 441, 797	28, 911 16, 798 8, 282, 369 7, 088, 770 129, 603 230, 553	5, 014 4, 021 2, 132, 672 1, 085, 008 21, 428 31, 741	13,006 10,907 5,804,603 5,335,279 9,825	18,746 11,432 4,763,140 3,823,558 49,527 157,079	9, 288 8, 222 3, 678, 950 1, 966, 675 65, 687 167, 196	10,704 9,263 3,845,084 2,806,278 42,015 32,352
7 8 9 10	Butter—Produced pounds. Sold pounds. Cheese—Produced pounds. Sold pounds. Value of dairy products, excluding home	3, 498, 551 2, 337, 834 79, 156 55, 075	411,679 202,092 12,395 7,917	558, 410 393, 387 10, 440 6, 810	726, 026 556, 162 4, 518 3, 305	339, 981 221, 173 805 215	322,514 225,507 9,680 7,972	405,765 251,498 22,918 19,134	876, 297 240, 648 14, 552 8, 822	357,879 247,367 3,848 900
12	use of milk and cream	7,669,183 7,325,433	1,140,547 1,075,314	1,619,455 1,571,740	1, 408, 930 1, 359, 024	339, 171 306, 852	1,145,399 1,117,305	835,345 789,024	563, 020 522, 838	617,316 583,336
18 14 15 16 17 18	Poultry Products Poultry—Raised number sold number dozons Sold dozons Sold dozons dozons yelde of poultry and eggs produced dollars Receipts from sale of poultry and eggs dollars	1,863,504 848,065 7,883,281 5,424,763 3,530,904 2,176,609	369, 585 150, 906 1, 368, 190 842, 661 678, 494 364, 654	352, 547 163, 996 1, 448, 985 949, 972 655, 032 391, 085	231, 967 100, 512 993, 794 700, 637 444, 474 270, 187	125, 654 57, 009 526, 036 359, 916 223, 187 140, 252	278, 201 128, 430 1, 157, 533 814, 095 543, 344 344, 772	220, 455 117, 660 979, 652 730, 153 428, 550 296, 050	150, 994 70, 042 692, 428 497, 716 277, 104 182, 346	134,101 59,444 716,663 529,613 280,719 187,263
19 20 21	Honey and Wax Honey producedpounds Wax producedpounds Value of honey and wax produceddollars	145,722 1,096 25,913	39,056 338 6,174	17,032 106 3,212	22, 812 138 4, 125	10, 444 79 2, 005	18,104 105 3,356	25, 437 155 4, 410	6,791 93 1,363	6,046 82 1,268
22 23 24	Wool, Mohair, and Goat Hair Wool, fleeces shornnumber Mohair and goat hair, fleeces shornnumber Value of wool and mohair produceddollars	10,884 316 15,384	463 1 630	1,624 32 2,622	1,498 35 1,990	681 100 1,239	1,112 1,603	3,887 108 4,929	596 911	1,023 40 1,460
25 26	DOMESTIC ANIMALS SOLD OR SLAUGH- TERED Calves—Sold or slaughterednumber. Other cattle—Sold or slaughterednumber.	73,392 65,320	8,591 9,297	11,641 8,510	18,319 18,011	3,083 4,152	7,710 6,556	10,519 8,970	5,694 5,576	7,835 4,248
27 28 29	Horses, mules, asses and burros—Soldnumber Swine—Sold or slaughterednumber Sheep and goats—Sold or slaughterednumber	3,322 54,336 8,637	546 6,541 852	474 11,085 833	467 12,421 1,004	307 3, 195 2, 641	6, 125 599	516 6,309 1,825	4,090 735	188 4,570 648
30 31	Receipts from sale of animalsdollars Value of animals slaughtereddollars	2,687,816 753,285	341,902 109,796	463,396 116,691	609, 465 172, 144	205,324 51,792	284, 167 70, 708	403,117 86,765	211,918 73,890	168,527 71,490

TABLE 4.—VALUE OF ALL CROPS AND PRINCIPAL CLASSES THEREOF, AND ACREAGE AND PRODUCTION OF PRINCIPAL CROPS, BY COUNTIES: 1909.

	THE STATE.	Fairfield.	Hartford.	Litchfield.	Middlesex.	New Haven.	New London.	Tolland.	Windham.
VALUE OF ALL CROPS Total do Cereals do Other grains and seeds do Hay and forage do Vegetables do Fruits and nuts do All other crops do	lars 2,039,211	2, 955, 362 315, 503 4, 320 1, 096, 425 690, 100 202, 739 596, 275	7, 617, 087 402, 819 5, 102 1, 358, 471 906, 497 333, 301 4, 520, 807	2, 839, 789 332, 412 360 1, 348, 375 431, 397 190, 812 530, 433	1, 494, 397 131, 902 570 474, 124 217, 569 120, 255 549, 977	3, 090, 220 267, 272 30, 757 934, 104 801, 003 480, 847 576, 237	1, 875, 820 231, 137 4, 383 822, 994 390, 851 120, 312 300, 143	1,320,079 122,300 934 587,113 190,638 85,281 333,813	1, 295, 240 145, 860 686 602, 894 223, 812 102, 814 219, 175
SELECTED CROPS (acres and quantity) Cereals: nere Total nere Corn acre Dus bus Wheat acre Barley acre Buckwheat acre	93 74,083 3hols 3,008,251 35,2717 thols 2,530,542 38 10,207 thols 278,804 thols 11,869 thols 11,869 thols 2,474 thols 2,797 thols 51,751	1, 490 35, 066 235 4, 847 18 201 213 4, 722 1, 644	16,449 742,575 13,613 085,263 985 24,911 1,159 365 369 6,896 1,406 23,981	13,188 507,419 7,545 360,082 3,874 113,674 112,073 577 11,854 1,093 20,225	4,240 102,810 2,905 164,341 11,082 10 982 10 277 255 4,801 1,307	9,424 381,632 6,692 325,653 658 10,680 124 2,370 23 417 277 5,171 1,649 31,300	8,467 343,962 6,242 205,515 1,253 33,408 47 401 31 468 445 7,543 440 6,437	5,090 173,758 3,590 141,145 713 18,197 24 464 12 220 320 320 431 431 431 7,059	5,82 224,72 4,31 193,80 20,66 1 28 12 34 4,77 5,11
Other grains:	98 4 hels 72 98 208 hols 2,845	22 226	6 22 186 55,761	8 60 83,570	2 32 10 230 23,980	1 16 22 250 49,235	7 78 1,247 53,441	30 397 31,345	2· 40,89
All tame or cultivated grasses	549,366 98 363, 131 5 367, 147 98 58, 074 5 82, 083 98 127, 920 98 147, 896	71,739 59,245 58,548 7,731 9,050 24,050 25,242	103,374 50,245 70,614 13,095 21,309 16,280 23,543 347 690	111,213 77,351 78,028 5,562 7,337 28,090 31,809 330 400	37,085 21,001 20,152 5,004 7,955 7,054 10,002 77	05,001 43,310 48,175 8,968 12,672 11,998 14,796 91	62,770 46,866 44,336 6,790 7,650 19,351 18,984 180 264	48,730 28,002 33,103 5,274 8,069 8,253 10,741 115 210	48,70 37,00 38,10 5,9 7,10 11,3 12,7 2
Alfalfa	88. 516 5. 731 88. 2,982 8. 4,510 89. 171, 141 8. 159,305 88. 13, 235 89. 13, 802 89. 11,110	37 87 222 105 26,948 22,801 1,305 1,870	60 132 402 669 20,661 24,262 1,346 1,666 1,438	26 50 581 900 41, 862 37, 436 1, 153 946 1, 815	34 52 108 268 7, 464 7, 712 1, 773 2, 113 344	53 103 539 846 21,661 19,607 2,828 3,216 1,256	13 455 621 20,077 10,802 2,452 2,113 2,408	13 16 331 520 14, 106 13, 520 1, 117 951 953	18,0 17,1 1,1 1,0
Coarse forage	S	1, 249 8, 821 21 147 4, 298 404, 481 2, 791	3,056 2,713 27,826 19 212 5,273 665,053 3,548 13,774	3,775 3,228 28,254 23 210 3,685 405,117 1,090 1,144	659 856 8,118 6 43 1,371 156,712 902 308	2,373 1,820 11,786 12 111 3,850 385,005 4,308	4, 299 1, 712 11, 988 3 34 2, 306 249, 876 1, 806	1,600 1,176 12,997 7 70 1,531 177,803 802 557	2, 6, 1, 180,
Maple trees	28, 110, 483 mber. 12, 200 10, 207 lons. 4, 236	412,095 52 29 21	24,365,134 2,097 1,425 778 241.093	1,897,205 8,244 8,086 2,624 180,214	504,330 89 38	7,356 377 658 154 328,615	1,030 59 7 10	922,873 813 2 409	92,
Apples	shels. 1, 874, 244 shols. 798, 734 shols. 1, 540, 996 es. 461, 711 shols. 269, 990 es. 56, 788 shols. 41, 322 es. 30, 205	2 322 125 1 130,739 2 284,637 37,300 2 24,830 8 7,651 5 450 6 2,249 6 3,168	308, 943 115, 464 274, 400 111, 346 26, 079 7, 127 5, 743 4, 928 2, 779 1, 453	304, 201 142, 739 284, 607 17, 204 7, 667 8, 957 6, 649 7, 220 4, 160 2, 555	143, 044 54, 483 97, 755 53, 790 40, 368 4, 449 3, 780 2, 231 727 1,011	379, 212 125, 877 224, 916 183, 286 143, 002 11, 477 7, 859 4, 085 1, 716 1, 359	144,560 87,044 126,331 23,524 12,416 6,850 4,610 1,756 461 913	138, 126 08, 819 120, 760 14, 333 5, 150 4, 572 2, 900 2, 584 932 1, 161	136, 64, 121, 20, 11, 4, 2, 1,
Grapes. vir Small fruits: por Total aer Strawberries aer	nes 107, 054 unds 1, 317, 682 es 1, 597 es 2, 823, 509	10,393 169,317 7 243 498,422	538 23, 332 220, 327 296 585, 359 180	569 5, 692 72, 947 75 181, 235 37	9, 033 162, 954 112 201, 371 54	349 46,530 520,565 560 1,766,422 410	340 3,215 63,703 166 353,205 92	235 7, 147 80, 863 59 113, 440 24	1, 21,
Raspberries and loganberries are questioned and consider the constraints and loganberries are questioned and constraints are constraints and loganberries are questioned and constraints are c	es 286 arts 384,256 es 123 arts 145,408	74,941 3 1 3 288 3 3,085	2,912 1,057	123, 288 16 21, 932 1 4, 570 1, 635 26, 634	59,456 387	1,556,647 93 117,747 877 11,590	272,881 25 24,717 41 46,400 588 7,244	05,991 11 15,031 12 6,848 452 2,880	80, 4, 24, 1, 4,
TABLE 5.—SEI	LECTED FARM	EXPENS	ES AND	RECEIP'	rs. by c	OUNTIES	i: 1909.	e y v 2 M s.Ay Yv y -destroom Assessment Assessment	
Labor. Farms reporting. Cash expended. de Rent and board furnished. de Fertillzer. Farms reporting. Amount expended. de Feed. Farms reporting. Amount expended. de Receipts from sale of feedable crops. de	oliars 5,512,179	1,092,079 263,769 1,605 177,457 3,582 917,680	1,679,835 370,047 3,864 1,100,458 4,249 1,107,644	2,503 626,713 203,606 1,771 105,986 2,964 773,671 58,788	350,700 58,303 1,224 84,623 1,510 205,388	2,271 780,103 193,514 1,056 217,901 2,824 804,008 83,778	2, 125 418, 345 133, 308 2, 226 121, 707 2, 573 570, 235 54, 128	1,487 242,609 69,049 1,409 85,928 1,855 400,607 43,292	77, 1, 60, 2, 440,

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AGRICULTURE—CONNECTICUT.

TABLE 6.-NUMBER AND VALUE OF DOMESTIC ANIMALS NOT ON FARMS, BY COUNTIES: APRIL 15, 1910.

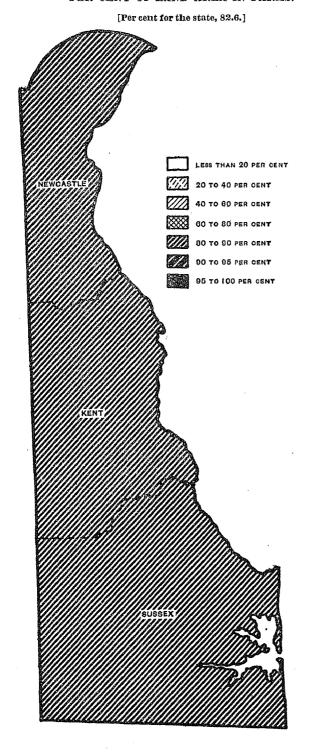
	And the second s	THE STATE,	Pairfield,	Hartlord.	Litchfield.	Middlesex.	Now Haven,	New London.	Tolland.	Windham.
1 2 3 4 5 6 7 8 9 10 11 12 13	Inclosures reporting domestic animals. Value of domestic animals. Cattle: Total number. Value. Number of dairy cows. Horses: Total number. Value. Number of mature horses. Mules and asses and burros: Total number. Value. Value. Under of mature mules. Swine: Total number. Total number. Aumber of mature mules. Swine: Total number. Value. Godiars. dollars.	17, 582 9, 623, 679 7, 806 321, 003 9, 162 38, 520 0, 225, 510 38, 444 200 34, 846 182 3, 882 36, 460	1,700,379 1,972 91,690 1,569 10,317 1,688,707 10,292 300 3,450 23 675 7,422	3,112 1,350,332 1,265 40,653 976 7,402 1,291,800 7,390 4,280 17 1,198 8,393	1, 927 487, 834 808 31, 677 682 3, 225 442, 655 3, 217 38 8, 605 37	1,188 275,843 1,104 43,409 827 1,662 220,012 1,055 14 1,951 13	4, 112 1, 958, 406 1, 170 50, 231 10, 632 1, 886, 502 10, 616 8, 200 13, 245 73 505 6, 818	1,647 483,884 970 38,235 812 3,049 441,670 3,045 6 830 5 293 2,923	110,552 178 6,861 158 102,680 736 2 300 2 78 641	241,349 204,337 202 204,503 1,490 220,503 1,494 22,175 12 2,182
14 15	Sheep and goats: Total number	884 5,661	187 1,110	374 2, 200	38 215	31 162	173 1,520	29 226	14 70	38 152

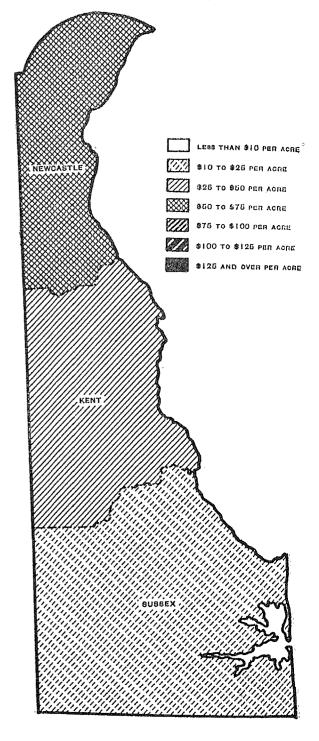
PER CENT OF LAND AREA IN FARMS, AND AVERAGE VALUE OF FARM LAND PER ACRE, INDELAWARE, BY COUNTIES: 1910.

PER CENT OF LAND AREA IN FARMS.

AVERAGE VALUE OF FARM LAND PER ACRE.

[Average for the state, \$33.63.]





DELAWARE.

FARMS AND FARM PROPERTY.

Delaware ranks forty-seventh in both area and population among the states and territories of continental United States. Although a considerable part of its population lives in a manufacturing center, it is a distinctly agricultural state. Most of it is part of the Atlantic coastal plain; as a whole, it is level and easily tilled. The two maps on the opposite page show, for the different counties, the proportion of the total land area which is in farms and the average value of farm land per acre.

The average value of farm land per acre for the whole state is \$33.63; the averages for the individual counties range from \$24.45 in the southern to \$52.62 in the northern county.

Progress during the decade 1900 to 1910.—The following table summarizes for the state the more significant facts relating to population and land area, the number, value, and acreage of farms, and the value of all other farm property in 1910 and 1900:

and a property of the second s	1010	1900	INCREASE,			
NUMBER, AREA, AND VALUE OF FARMS.	(April 15)	(Jimo 1)	Amount.	Per cent.		
Population Number of all farms	202, 322 10, 836 1, 257, 600	184, 735 9, 687 1, 257, 600	17, 587 1, 149	9.5 11.9		
Approximate land area of the state acrea. Land in farms acrea. Improved land in farms acres. Average acres per farm.	1, 638, 866 713, 538 95, 9	1, 066, 228 754, 010 110, 1	$-27,362 \\ -40,472 \\ -14.2$	$ \begin{array}{r} -2.6 \\ -5.4 \\ -12.9 \end{array} $		
Value of farm property: Total	\$63, 179, 201	\$40, 697, 654	\$22, 481, 547	55.2		
Land Buildings	34, 938, 161 18, 217, 822 3, 206, 095 6, 817, 123	23, 768, 820 10, 667, 220 2, 150, 560 4, 111, 054	11, 169, 341 7, 550, 602 1, 055, 535 2, 706, 069	47. 0 70. 8 40. 1 65. 8		
Average value of all property per farm	\$5, 890 \$33, 63	\$4, 201 \$22, 20	\$1,629 \$11.34	38, 8 50, 9		

I A minurraign (...) denotes decrease.

Between 1900 and 1910 there was an increase of 17,587, or 9.5 per cent, in the population of the state, and an increase of 1,149, or 11.9 per cent, in the number of farms, while there was a decrease of over 27,000 acres, or 2.6 per cent, in the acreage of farm land, and a decrease of about 40,500 acres, or 5.4 per cent, in the improved land in farms. The average size of the farms decreased from 110.1 to 95.9 acres.

Farm property, which includes land, buildings, implements and machinery, and live stock (domestic animals, poultry, and bees), has increased in value during the decade nearly \$22,500,000, or 55,2 per cent. Almost half of this great increase was due to land, which advanced \$11,169,000, or 47 per cent, in value; and about a third to an increase of \$7,551,000, or 70.8 per cent, in the value of buildings. There was also an increase of over \$1,000,000 in the value of implements and machinery, and of over \$2,700,000 in the value of live stock. In considering the increase of values in agriculture the general increase in the prices of all commodities in the last 10 years should be borne in mind.

The average value of a farm with its equipment in 1900 was slightly over \$4,200, while 10 years later it was more than \$5,800. The average value of land alone rose from \$22,29 per acre in 1900 to \$33.63 in 1910.

Population, number of farms, and farm acreage: 1850 to 1910.—The table following presents, for the state as a whole for each census from 1850 to 1910, inclusive, a statement of the total population, the number of farms, and the acreage of farm land and of improved land in farms. It also gives the percentage of the land area in farms, the percentage of farm land improved, and the percentage of increase during each decade in the number of farms and in the land in farms.

1		YAU	MS.	LAND	IN FAR	Ms.		Per
r bo básis file	Popula-	SalestrapoproSSATTri Nistra	Do-st	All lan	ıd.		Per cent of land	of farm
YEAN.		Per cent of in- crease.	Aeres.	Per cent of in- crease.1	Improved land (aeres).	area in farms.		
1910 1960 1981 1981 1970 1960	168, 493 146, 608 125, 015	10,830 9,657 9,381 8,749 7,615 6,658 6,063	11.9 3.3 7.2 14.0 14.4 0.8	1, 038, 866 1, 000, 228 1, 055, 092 1, 000, 245 1, 052, 322 1, 004, 205 050, 144	-2.0 1.0 -3.2 3.0 4.8 5.0	713, 538 754, 010 762, 655 740, 058 608, 115 637, 005 580, 802	82. 0 84. 8 83. 0 80. 7 83. 7 79. 0 70. 0	08.7 70.7 72.2 08.5 00.3 03.4 00.8

In the 60 years since 1850 the population of the state has increased by 110,790, or 121 per cent.

The number of farms in Delaware, which in 1910 for the first time exceeded 10,000, showed a slightly greater increase in number from 1900 to 1910 than during any other decade, this increase amounting to 1,149 farms, or an average of nearly 115 per year. The rates of increase during the decade in the different counties were 5.7 per cent in New Castle, 10.9 per cent in Kent, and 15.1 per cent in Sussex, increasing thus from north to south. The relative increase for the state as a whole was greatest in the decades between 1860 and 1880.

The land surface of Delaware is approximately 1,257,600 acres. Of this area, 1,038,866 acres, or 82.6 per cent, are included in farms, representing a decrease of 2.6 per cent during the last decade. Of the farm acreage, 713,538 acres, or 68.7 per cent, are reported as improved land, representing 56.7 per cent of the total land area of the state. The reported acreage of improved land in farms shows a little more than twice as great a relative decrease as the total acreage in farms, the percentage of farm land improved being slightly lower than in 1900.

The total farm acreage shows a continuous increase during the first 30 years for which figures are given, but for the last 30 years the acreage has been, on the whole, decreasing. The acreage of improved land increased continuously until 1890, but has decreased 6.4 per cent since that date. During this period (1890–1910) the proportion of the total land area of the state which was occupied by farms decreased from 83.9 to 82.6 per cent, while the improved land decreased from 72.2 to 68.7 per cent of the total land in farms.

Values of farm property: 1850 to 1910.—The agricultural changes in Delaware since 1850, as reflected in the values of the several classes of farm property, are shown in the table which follows:

		FARM PROPERTY.												
CEN- SUS YEAR.	1		Land s buildin		Implem and machin		Domestic animals, poultry, and bees.							
I MAIN.	Value.	Per cent of in- crease ¹	Value.	Per cent of in- creasel	Value.	Per cent of in- crease,	Value,	Per cent of in- crease1						
1910 1900 1890 1880 1870 ² 1860		-10.8 9.4 -0.1 17.9 66.6	37, 370, 296	13.0 7.6 1.6 18.9 66.5	2,150,560 1,835,570 1,504,567 961,315	17.2 22.0 56.5 17.5 60.3	4,198,810 3,420,080 3,405,859	-2.1 22.8 0.4						

1 A minus sign (—) denotes decrease. 2 Computed gold values, being 80 per cent of the currency values reported.

The total wealth in the form of farm property is \$63,179,000, of which 84.1 per cent is represented by land and buildings, 5.1 per cent by implements and machinery, and 10.8 per cent by live stock. The total value of farm property increased from 1900 to 1910 nearly \$22,500,000, or 55.2 per cent. Of this increase, \$18,720,000 represents the increase in the value of

land and buildings, \$2,706,000 in live stock, and \$1,056,000 in implements and machinery. During the decade from 1900 to 1910 the relative gain was greater than during any other decade since 1860, while for the two decades ending in 1880 and 1900 decreases of value were reported. The absolute amount of the gain from 1900 to 1910 was more than one and one-half times that reported for any other decade.

Average acreage and values per farm: 1850 to 1910.—The changes which have taken place during the past 60 years in the average acreage of Delaware farms and in the average values of the various classes of farm property, as well as in the average value per acre of land and buildings, are shown in the following table:

		EVA.	Average			
Census year.	Average acres per farm. Al		Land and buildings.	Imple- ments and ma- chinery.	Domestic animals, poultry, and bees.	value of land and buildings per acre.
1910	95. 9 110. 1 112. 5 124. 6 138. 2 150. 8 157. 7	\$5,830 4,201 4,863 4,768 5,481 5,315 3,503	\$4,905 3,555 4,220 4,205 4,907 4,720 3,114	\$296 222 196 172 126 123 84	\$629 424 448 391 447 472 305	\$51, 17 32, 30 37, 50 33, 74 35, 51 31, 29 19, 75.

1 A verages are based on "all farms" in state.
2 Computed gold values, being 80 per cent of the currency values reported.

In average size the Delaware farm has continuously decreased from 157.7 acres in 1850 to 95.9 acres in 1910—over 60 acres in 60 years. The decrease during the last decade, 14.2 acres, was the largest for any decade during the period, while that of the preceding decade, 2.4 acres, was the smallest.

The average values of the several classes of farm property, except implements and machinery, increased most rapidly during the first and last decades shown, the increases between 1900 and 1910 being greater than the net increase for the preceding half century as a whole. During the half century, however, the values fluctuated considerably, showing a general downward tendency subsequent to 1870. In the case of implements and machinery a constant increase is shown from 1850 to 1910, but the increase from 1900 to 1910 was greater than that shown for any preceding 20 years.

The value per farm of farm equipment, which includes implements and machinery and live stock, is nearly two and a half times as great as it was 60 years ago and a little less than one and a half times as great as 10 years ago.

The average value of a Delaware farm, including its equipment, is a little more than \$5,800, of which about \$4,900 represents the value of land and buildings, \$629 the value of live stock, and \$296 the value of implements and machinery.

Farm tenure: 1880 to 1910.—The next table shows the distribution of the farms of the state according to character of tenure at each census since 1880.

While farms increased 1,149 in number during the last decade, the number operated by owners and managers increased 1,490, as compared with a decrease of 341 in the number operated by tenants.

TENURE.	1910	1900	1890	1880
Number of all farms	10,836	9,687	9,381	8,749
Farms operated by owners and man- agers. Farms consisting of owned and only. Farms consisting of owned and hired	6,301 5,865	4, 811 4, 366	4,978 (¹)	5,041 (¹)
landFarms operated by managers	313 123	314 131	(1)	(1) (1)
Farms operated by tenants. Share tenants. Share-eash tenants 2 Cash tenants Tenure not specified 3	4,535 3,622 47 619 247	4, 876 } 4, 122 } 754	4,403 3,775 628	3, 708 3, 197 511
Per cent of farms operated by— Owners and managers. Tenants. Share and share-cash. Cash and nonspecified.	58.1 41.9 33.9 8.0	49.7 50.3 42.5 7.8	53. 1 46. 9 40. 2 6. 7	57.6 42.4 36.6 5.8

¹ Not reported separately.

2 Share-cash tenants were doubtless largely included with share tenants in 1900, 1890, and 1880.

5 Prior to 1910 nonspecified tenants were included with cash tenants.

In 1880 and again in 1910 about 42 out of each hundred farms were operated by tenants; in 1890 and 1900 the proportion was even higher, in 1900 amounting to slightly more than 50. The fluctuations in the number and proportion of farmers who are tenants arise mainly from the changes among share tenants. The number of cash tenants (including nonspecified) has increased slowly since 1880. Share and share-cash tenancy, on the other hand, increased rather rapidly for 20 years, but decreased considerably during the last decade.

In 1880 cash tenancy (including nonspecified) was less than one-sixth as frequent as share and share-cash tenancy, while in 1910 it was nearly one-fourth as frequent.

The following table shows, for white and colored farmers combined and for each class separately, the total and improved acreage and the value of land and buildings for farms operated by owners (including part owners), managers, and tenants, respectively:

FARMS		nds in acres).	IMPROVEI IN FARMS		VALUE OF LAND AND BUILDINGS.		
OPERATED BY-	1910	1900	1910	1900	1910	1900	
All farmers Owners Managers Tenants	1, 038, 866 476, 827 21, 164 540, 875	16,146	322,077 17,587	754, 010 287, 488 12, 122 454, 400	27, 175, 007 1, 776, 280	14,306,860 1,319,210	
White Owners Managers Tenants	981,893 463,212 18,769 499,912	14,621	312,803 15,553	719, 394 278, 909 10, 978 429, 507	26,627,516 1,630,480	14,021,670	
Colored Owners Managers Tenants	56,978 13,616 2,395 40,963	12,373 1,525	9,274		547,551 145,800	285,190 101,450	

The first table in the next column shows, for white and colored farmers combined and for each class separately, the per cent distribution by tenure groups of the items in the preceding table, and also of the number of farms.

	PER CENT OF TOTAL									
FARMS OPERATED BY—	Number of farms.		All land in farms.		Improved land in farms.		Value of land and buildings.			
	1910	1900	1910	1900	1910	1900	1910	1900		
All farmers Owners Managers. Tenants.	57.0	100, 0 48, 3 1, 4 50, 3	100. 0 45. 9 2. 0 52. 1	100.0 39.7 1.5 58.7	100, 0 45, 1 2, 5 52, 4	100.0 38.1 1.0 60.3	100.0 51.1 3.3 45.5	100, 0 41, 5 3, 8 54, 6		
White Owners Managers Tenants	58, 2	100, 0 49, 0 1, 3 49, 7	100.0 47.2 1.9 50.9	100.0 40.6 1.4 58.0	100. 0 46. 2 2. 3 51. 5	100.0 38.8 1.5 59.7	100.0 52.0 3.2 44.8	100.0 42.2 3.7 54.2		
ColoredOwnersManagersTenants.	44.0 1.7	100. 0 40. 6 1. 8 57. 6	100.0 23.9 4.2 71.9	100. 0 23. 5 2. 9 73. 6	100, 0 25, 0 5, 5 69, 5	100.0 24.8 3.3 71.9	100. 0 27. 6 7. 4 65. 0	100, 0 24, 3 8, 6 67, 1		

It will be seen that, in 1910, 45.9 per cent of all land in farms was in farms operated by their owners (including part owners), 2 per cent in farms operated by managers, and 52.1 per cent in farms operated by tenants, the percentage for owners and for managers being higher and that for tenants lower than in 1900.

Of all land in farms operated by white farmers, 47.2 per cent was in farms operated by their owners and 50.9 per cent in tenant farms, while of that operated by colored farmers, 23.9 per cent was in farms operated by owners, and 71.9 per cent in tenant farms. Among white farmers the proportion of farm land operated by owners increased materially between 1900 and 1910 and among colored farmers the proportion increased slightly.

As shown by the next table, the average size of farms operated by managers in 1910 (172.1 acres) was somewhat less than one and one-half times as great as that of farms operated by tenants (119.3 acres) which was in turn more than one and one-half times as great as that for farms operated by owners (77.2 acres). The average size of farms operated by managers increased between 1900 and 1910, while that of farms operated by owners and by tenants decreased. In 1910 the percentage of farm land improved was highest for farms operated by managers, and lowest for those operated by owners.

	AVERAGE ACRES PER FARM.				PER CENT		AVERAGE VALUE OF LAND AND BUILDINGS.			
FARMS OPERATED BY—	All land,		Improved land.		LAND IMPROVED		Per farm,		Per acre.	
	1910	1900	1910	1900	1910 1900		1910	1900	1910	1900
All farmers. Owners Managers Tenants.	95. 9 77. 2 172, 1 119. 3	110. 1 90. 5 123. 3 128. 4	65. 8 52. 1 143. 0 82. 4	61, 4	87.5 83.1	70.7 67.8 75.1 72.6	\$4,905 4,399 14,441 5,337	3,057 10,070	56, 99 83, 93	33, 76 81, 71
White Owners Managers Tenants	99. 0 80. 3 175. 4 123. 9	126.0		64.1 94.6	67. 5 82. 9	67.8 75.1	4,613 15,238	3,225 10,498	57.48 86.87	34.08 83, 29
Colored Owners Managers Tenants	61. 8 33. 5 149. 7 81. 9		40, 2 22, 8 127, 1 51, 5	25.8 76.3	84.9	69.3 75.0	1,349	859	40.22 60.88	23.05 66.52

The average size of farms operated by white farmers in 1910 (99 acres) was more than one and one-half

times as great as that of farms of colored farmers (61.8 acres); both classes of farms decreased in size between 1900 and 1910. The proportion of land improved was larger for the farms of white farmers than for those of colored farmers, being, respectively, 68.9 and 65.1 per cent of the total acreage in each class of farms.

Farm mortgages: 1890 to 1910.—The Eleventh Census (1890) was the first to collect data relating to mortgage debt on farms. The basis of the returns was the "farm home" occupied by its owner. The same class of information was secured by the population schedules of the Twelfth Census (1900). The agricultural schedules of the Thirteenth Census (1910) secured practically the same information, except that the basis was "owned farms" instead of "owned farm homes"—a difference involving, however, no appreciable incomparability.

The following table relates to farms operated by persons owning all or part of the land, and shows for 1910 (1) the number of such farms reported as free from mortgage; (2) the number reported as mortgaged; and (3) the number for which no mortgage reports were secured. Comparable items are included for

1900 and 1890.

	OWNED E	'ARMS.1	OWNED		OWNED FARM HOMES. ²		
CLASS.	1910		190	0	1890		
	Number.	Per cent.3	Number.	Per cent.3	Number.	Per cent.	
Total Free from mortgage Mortgaged Unknown	6, 17 8 3, 817 2, 264 97	62.8 87.2	4,716 2,803 1,611 302	63. 5 86. 5	4,745 3,350 1,395	70. 6 29. 4	

1 Includes all farms owned in whole or in part by the operator.

1 The 180 "owned farm homes" for which no reports were secured were distributed between "free from mortgaged" and "mortgaged" in 1890.

1 Per cent of combined total of "free from mortgage" and "mortgaged."

According to the foregoing figures the actual and relative number of mortgaged farms has increased continuously since 1890, the increase in number being from 1,395 in 1890 to 1,611 in 1900 and 2,264 in 1910. The proportion mortgaged increased from 29.4 per cent in 1890 to 36.5 per cent in 1900. There was a slight increase in the proportion during the last decade, the present proportion of farms mortgaged being 37.2 per cent. There are now more farms free from mortgage than in 1890, the number having increased from 3,350 to 3,817, or 13.9 per cent, during the two decades.

The statement of mortgage debt and of the value of mortgaged farm property is restricted to the farms of those farmers who own all of their land and report the amount as well as the fact of indebtedness. Of the 2,264 farms reported as mortgaged, 2,136 are wholly owned by the farmers, and for 2,021 of these the amount of mortgage debt is reported. Only these last-mentioned farms are included under 1910 in the next table, which presents data relating to mortgaged

farms for 1910 and 1890. In this connection it should be noted that in 1890 the amount of mortgage debt of farms with incomplete reports was estimated according to the percentages and averages obtained from farms with full reports, but that no such estimate is here made for 1910. The table gives a comparative statement of the value of mortgaged farms owned entirely by their operators and the amount of indebtedness, together with the average value of such farms, the average debt per farm, and the average equity per farm for 1910 and 1890. Data regarding the amount of mortgage debt were not obtained in 1900.

	OWNED FARM		INCREASE.1	
	19102	18903	Amount.	Per cent.
Number Value—Land and buildings. Amount of mortgage debt. Per cent of debt to value. Average value per farm. Average debt per farm. Average deuty per farm.	\$4,355	1,395 \$6,801,178 \$2,995,263 44.0 \$4,875 \$2,147 \$2,728	\$520 \$629 \$109	-10.1 -29.3 4.0

¹ A minus sign (—) denotes decrease.
² Includes only farms consisting wholly of owned land and reporting value of farm and amount of debt.
³ Includes all owned farm homes, estimates being made of value of farms and amount of debt for all defective reports.

The average debt of mortgaged farms decreased in the 20 years from \$2,147 to \$1,518, or 29.3 per cent; the average value of such farms decreased from \$4,875 to \$4,355, or 10.7 per cent. Thus the owner's equity increased from \$2,728 to \$2,837, or 4 per cent. As a result of the greater relative increase in farm value than in farm debt, the mortgage indebtedness, which was 44 per cent of the value of the mortgaged farms in 1890, has decreased to 34.9 per cent of the value in 1910.

Farms by size groups: 1910 and 1900.—Over half of the farms in Delaware are between 50 and 174 acres in size, and nearly three-fourths are between 20 and 174 acres. The "3 to 9 acres" group of farms is more than twice as large as in 1900. The "10 to 19 acres" group comprises one and a half times as many farms as in 1900, and the "20 to 49 acres" group one and a quarter times as many. The number of farms in groups above "50 to 99 acres" has decreased since 1900, with the exception of the group of "1,000 acres and over."

Farms of from 50 to 99 acres constituted 28.1 per cent of the total number of farms of white farmers, those 100 to 174 acres, with 27.2 per cent of the total, ranking next; among farms of colored farmers, the farms of 20 to 49 acres constituted 24 per cent, and those of 50 to 99 acres ranked next, with 21.1 per cent. Of the farms operated by colored farmers, 31.8 per cent were farms of less than 20 acres, as compared with 12.5 per cent of the farms of white farmers.

The next table shows the distribution of farms by size groups at the censuses of 1910 and 1900.

SIZE GROUP.	NUMBER (of farms,	incri	EASE.1	PER (
SEE GROOT	1910	1900	Number.	Per cent.	1910	1900
All farmers. Under 3 acres. 3 to 9 acres. 10 to 19 acres. 20 to 49 acres. 50 to 99 acres. 175 to 259 acres. 200 to 490 acres. 175 to 259 acres. 200 to 499 acres. 500 to 999 acres. 1,000 acres and over.	10,886 32 672 831 1,988 2,977 2,849 994 435 52 6	9,687 38 292 547 1,568 2,610 2,923 1,133 500 71 5	1,149 -6 380 284 420 367 -74 -139 -05 -19	11.9 -15.8 130.1 51.9 26.8 14.1 -2.5 -12.3 -13.0 -26.8 20.0	100, 0 0. 3 6. 2 7. 7 18. 3 27. 5 26. 3 9. 2 4. 0 0. 5 0. 1	100. 0 0. 4 3. 0 5. 6 16. 2 26. 9 30. 2 11. 7 5. 2 0. 7
White Under 3 acres 3 to 9 acres 10 to 19 acres 20 to 49 acres 105 to 19 acres 105 to 174 acres 175 to 259 acres 200 to 499 acres 1,000 acres and over	9,914 29 547 666 1,767 2,782 2,996 952 421 48 6	8,869 32 203 423 1,347 2,407 2,807 1,091 480 68	1,045 -3 344 243 420 375 -111 -139 -05 -20 1	11.8 0.4 169.5 57.4 31.2 15.6 4.0 12.7 13.4 20.4	100. 0 0. 3 5. 5 6. 7 17. 8 28. 1 27. 2 9. 6 4. 2 0. 5 0. 1	100. 0 0. 4 2. 3 15. 2 27. 1 31. 3 5. 5
Colored Under 3 acres. 10 to 19 acres. 10 to 19 acres. 20 to 49 acres. 20 to 49 acres. 100 to 174 acres. 175 to 259 acres. 200 to 499 acres. 200 to 999 acres.	221 195 153 42 14 4	818 6 89 124 221 203 116 42 14	104 -3 36 41 -8 37	12.7 50.0 40.4 33.1 3.9 31.9	100.0 0.3 13.6 17.9 24.0 21.1 16.6 4.6 1.5	100, (0, 10, 0 15, 27, (24, 8 14, 9 5, 1, 0

1 A minus sign (-) denotes decrease.

The following table shows the total and improved acreage and the value of land and buildings for farms of various size groups, consolidating into one group the farms of less than 20 acres (numbering in all 1,535), and also the farms of between 175 and 499 acres (numbering 1,429):

SIZE GROUP.		AND IN (ACRES).	improve in farms		VALUE OF LAND AND BUILDINGS,		
SIZE GROOF.	1910	1900	1910	1900	1910	1900	
Total	15, 185 66, 119 211, 100 359, 476 345, 465 32, 210	52, 439 186, 885 370, 605 396, 319 42, 682	154, 027 249, 355 226, 100 14, 083	42,896 142,174 270,381	10,989,516 15,699,291	11,055,310 11,391,670	

The next table shows the per cent distribution, by size groups, of the items presented in the preceding table, and also of the number of farms:

	PER CENT OF TOTAL.								
SIZE GROUP.	Number of farms.		All land in farms.		Improved land, in farms.		Value of land and buildings.		
	1910	1900	1910	1900	1910	1900	1910	1900	
Total. Under 20 acres. 20 to 49 acres. 50 to 99 acres. 100 to 174 acres. 175 to 499 acres. 500 to 999 acres. 1,000 acres and over.	100. 0 14. 2 18. 3 27. 5 26. 3 13. 2 0. 5 0. 1	100. 0 9. 1 16. 2 26. 9 30. 2 16. 9 0. 7 0. 1	100. 0 1. 5 6. 4 20. 3 34. 6 33. 3 3. 1 0. 9	100. 0 0. 9 4. 9 17. 5 34. 8 37. 2 4. 0 0. 7	100.0 1.9 7.4 21.6 34.9 31.7 2.0 0.5	100. 0 1. 1 5. 7 18. 9 35. 9 35. 5 2. 5 0. 5	100, 0 7, 4 10, 5 20, 7 29, 5 29, 9 2, 0 0, 1	100. 0 3. 6 8. 4 20. 1 32. 1 33. 1 2. 5 0. 2	

Of the total farm acreage of the state in 1910, 34.6 per cent was in farms of 100 to 174 acres, and 33.3 per

cent in farms of 175 to 499 acres, these two being from the standpoint of aggregate acreage the most important size groups. Between 1900 and 1910 there was an increase in the proportion of the total acreage which was in farms of under 100 acres and also in farms of 1,000 acres and over, and a decrease in the proportion in farms of intermediate sizes.

As shown by the next table, the percentage of farm land improved diminishes as the average size of the farms increase. For this reason and also because buildings have normally a higher value in proportion to farm acreage on small than on large farms, the average value of land and buildings per acre of land generally also diminishes with the increase in the size of the farms; it is very much higher for the farms under 20 acres in size than for those of any other group.

	PER CE		AVERAGE VALUE OF LAND AND BUILDINGS.					
SIZE GROUP.	IMPRO		Per f	arm.	Per acre.			
	1910	1900	1910	1900	1910	1900		
Total. Under 20 acres. 20 to 49 acres. 50 to 99 acres. 100 to 174 acres. 175 to 490 acres. 500 to 990 acres. 1,000 acres and over.	68.7 88.3 79.8 73.0 69.4 65.4 43.7 41.1	70. 7 88. 9 81. 8 76. 1 73. 0 67. 5 44. 4 46. 8	\$4,905 2,549 2,796 3,691 5,510 11,122 20,268 7,883	\$3,555 1,397 1,854 2,655 3,782 6,976 11,907 16,414	\$51.17 257.71 84.08 52.06 43.67 46.01 32.72 5.08	\$32. 30 127. 91 55. 44 37. 08 29. 83 28. 74 19. 81 10. 63		

Color and nativity of farmers: 1910.—Prior to the Thirteenth Census no attempt was made to secure information on the farm schedules concerning the nativity of farmers. The table which follows shows the color and nativity of farm operators, by character of tenure, for 1910:

COLOR AND	FARM OPERATORS.									
	Total.					Per cent of total.				
NATIVITY.		Per cent dis- tribu- tion.	Own- ers.	Ten- ants.	Man- agers.	Own- ers.	Ten- ants.	Man- agers.		
Total. Native white Foreign-born white. Negro and other nonwhite	10, 836 9, 504 410 922	100. 0 87. 7 3. 8 8. 5	6, 178 5, 448 324 406	4, 535 3, 956 79 500	123 100 7	57. 0 57. 3 79. 0 44, 0	41.9 41.6 19.3 54.2	1.1 1.1 1.7		

Slightly over nine-tenths of the Delaware farm operators were whites and nearly one-tenth negroes. Of the native white farmers, 41.6 per cent were tenants, as compared with 19.3 per cent of the foreign-born white farmers and 54.2 per cent of the negroes, no Chinese, Japanese, or Indians or other nonwhites being reported.

Of the total 410 foreign-born white farmers in Delaware in 1910, 131 (nearly one-third) were born in Germany, 72 in Ireland, 55 in England, and 52 in Canada. Other European countries were represented by a total of 99 farmers, and non-European countries, other than Canada, by 1.

DOMESTIC ANIMALS, POULTRY, AND BEES.

Domestic animals on farms: 1910.—The census of 1910 was taken as of April 15 and that of 1900 as of June 1. Since a great many domestic animals are born during the six weeks between April 15 and June 1, 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 closely comparable, and the same is true in somewhat less degree of the values. For this reason the figures for 1900 are not presented in this bulletin, but in the general reports of the census the figures for the several states will be presented and the extent to which their comparability is affected by the change in the date of enumeration will be discussed.

The total value of live stock on farms, including domestic animals, poultry, and bees in 1910 was \$6,817,000, of which domestic animals contributed \$6,243,000. The value of cattle represented 24.2 per cent of the total value of live stock; that of horses and mules, 61.8 per cent; that of swine, 5 per cent; that of sheep and lambs, 0.5 per cent; and that of poultry, 8.2 per cent, the other classes being insignificant.

The following table summarizes the statistics of domestic animals on farms for the state, recorded as of April 15, 1910. Cattle and sheep are divided into age and sex groups, while horses, mules, and swine are presented by age groups only.

: +	farms re	PORTING.		Animals.	
AGE AND SEX GROUP.	Number.	Per cent of all farms.	Number.	Value.	Aver- age value.
Total	10,450	96.4		\$6,243,368	
Cattle	8, 498	78.4	54,986	1, 648, 333	\$29.98
heffers kept for milk, born before Jan. 1, 1999) Other cows (cows and	8,259	76.2	35,708	1,315,266	36.83
helfers not kept for milk, born before Jan. 1, 1909). Helfers born in 1909. Calves bornafter Jan. 1, 1910. Steers and bulls born in 1909.	1,287 2,171 3,003 746	11.9 20.0 27.7 6.9	3,497 5,260 7,153 1,488	78, 956 85, 928 72, 031 28, 108	22. 58 16. 34 10. 07 18. 89
Steers and bulls born before Jan. 1, 1909	1,113	10.3	1,880	68, 044	36.19
Horses. Mares, stallions, and geld-	9, 857	91,0	33,065	3, 451, 791	104. 39
ings born before Jan. 1, 1909 Colts born in 1909. Colts born after Jan. 1, 1910.	9,820 1,714 954	90. 6 15. 8 8. 8	29,632 2,311 1,122	3,285,872 133,793 32,126	110, 89 57, 89 28, 63
Mules born before Jan. 1,	2,722	25.1	5,935	764, 133	128, 75
Mule colts born in 1909 Mule colts born after Jan, 1,	2,620 124	24, 2 1, 1	5,676 173	748, 326 12, 750	131. 84 73. 70
1910,	74	0,7	86	3,057	35. 66
Asses and burros	17	0.2	18	3, 975	220, 8
Swine Hogs and pigs born before	7,926	73.1	49, 260	337, 910	6.8
Jan. 1, 1910 Pigs born after Jan. 1, 1910.	7,106 2,565	65.6 23.7	34,101 15,159	288, 364 49, 546	8. 40 3. 2
Sheep. Ewes born before Jan. 1,	266	2.5	7, 806	36, 898	4, 75
1910	228	2.1	3,924	19,535	4.98
Rams and wethers born before Jan. 1, 1910 Lambs born after Jan. 1, 1910	164 239	1.5 2,2	491 3,391	2,698 14,665	5.4
Goats	35	0.3	88	328	3.7

Of the total number of farms enumerated, 10,450, or 96.4 per cent, report domestic animals of some kind, the number without any domestic animals being only 386.

Of all farms, cattle are reported by 78.4 per cent, "dairy cows" by 76.2 per cent, and "other cows" by only 11.9 per cent. Only 239 farms reporting cattle have no dairy cows.

The farms reporting dairy cows show an average of over 4 per farm, while those reporting other cows show an average of about 3. The census of 1900 was taken as of June 1, after all the spring calves were born, while that of 1910 was taken as of April 15, before the close of the calving season and when the calves on hand were on the average younger than at the enumeration of 1900. As a result, the number of calves reported decreased from 9,363 to 7,153; their average value, however, rose from \$8.97 to \$10.07. The number of all cows, on the other hand, increased somewhat during the decade, while the average value of dairy cows increased from \$30.50 to \$36.83.

Nine farms out of ten report horses, but only about one out of six reports colts born in 1909, and less than one out of ten reports spring colts. Mature horses are valued at nearly twice as much as yearlings and almost four times as much as spring colts.

About one farm out of every four reports mules or mule colts. The average value of mature mules is \$20.95 more than that of mature horses.

Only about one farm in forty reports sheep and lambs, compared with one in ten for the entire United States.

Three farms out of every four report swine, the average number being over 6 per farm reporting. The average value of mature hogs is \$8.46, while that of spring pigs is a little more than one-third of this amount.

Poultry on farms: 1910 and 1900.—The following table gives the numbers of the various kinds of poultry reported in 1910 and 1900, together with their value and the number of farms reporting each kind in 1910:

		1900 (June 1)				
KIND.	Farms re	porting.				
	Number.	Percent of all farms.	Number of fowls.	Value.	Number of fowls.	
Total Chickens Turkeys Ducks Geese Guinea fowls Pigeons Wild geese	10, 095 10, 090 2, 119 1, 884 1, 009 2, 224 485 10	93. 2 93. 1 19. 6 17. 4 9. 3 20. 5 4. 5 0. 1	876, 081 785, 591 8, 181 9, 790 5, 046 12, 754 54, 654	\$560, 146 498, 250 19, 281 6, 769 7, 214 5, 655 22, 489 488	665, 382 628, 866 19, 045 10, 933 6, 438 (1) (2) (2)	

¹ Included with chickens.

The value of the poultry of the state is about one and three-fifths times as great and the number of fowls almost one and one-third times as great as in 1900. A part of this increase arises from the fact that

² Not reported.

pigeons were not reported in 1900; the remainder of the increase is contributed by chickens. In fact, all other classes of poultry reported at both dates decreased in number; the number of turkeys falling off nearly 11,000, or 57 per cent.

Out of every hundred farms 93 report poultry of some kind. Only 5 of the 10,095 farms that report poultry fail to report chickens. Not only are chickens almost universally raised, but they represent about 90 per cent of the value of Delaware fowls. Pigeons are about one and a half times as numerous as turkeys, ducks, geese, and guinea fowls combined.

Bees on farms: 1910 and 1900.—The number of farms reporting bees has decreased from 1,684 in 1900 to 1,119 in 1910, or 33.6 per cent. The number of colonies of bees decreased from 10,187 to 6,410, or 37.1 per cent, and their value decreased from \$20,244 to \$13,609, or 32.8 per cent. The average value of bees per farm reporting was \$12.02 in 1900 and \$12.16 in 1910. About one farm in ten reports bees.

Domestic animals not on farms: 1910.—Most of the domestic animals not on farms are found in cities, towns, and villages. Statistics for such animals are shown below. No provision was made by law to secure data pertaining to poultry and bees not on farms. In the next table age groups are omitted for the sake of brevity.

As would be expected, horses are the most important class of domestic animals not on farms, both in number and value; swine ranking next in number and mules next in value.

LIVE STOCK PRODUCTS.

The returns for live stock products obtained at the census of 1910, like those for crops, relate to the activ-
ities of the calendar year 1909. It is impossible to
give a total representing the annual production of live
stock products for the reason that, as shown elsewhere,
the total value of products from the business of rais-
ing domestic animals for use, sale, or salughter can
not be calculated from the census returns. Even if
this value could be ascertained and were added to
the value of the crops the sum would not correctly
represent the total value of farm products, because,
as already more fully explained, duplication would
result from the fact that part of the crops are fed to
the live stock.

Dairy products: 1909 and 1899.—The number of farms reporting dairy cows on April 15, 1910, was 8,259, but only 6,645 reported the production of any kind of dairy products in 1909. That there should be this difference is not surprising. Doubtless some farmers who had dairy cows in 1910 had none in 1909, while other farmers neglected to give information for the preceding year, or were unable to do so, perhaps because the farm was then in other hands. Dairy products in general are somewhat less accurately reported than the principal crops. This is particularly the case as regards the quantity of milk produced. The number of farms which made any

	Number		ANIMALS.		
KIND.	of inclo- sures reporting.	Number. Value.		Average value.	
Total. All cattle. Dairy cows. Horses. Mules. Asses and burros. Swine. Sheep. Goats.	706 609 3,533 110 4 1,560	1,172 947 7,219 353 4 3,729 15	\$1,213,301 43,647 39,350 1,092,074 51,180 795 25,365 75 165	\$37.24 41.55 151.28 144.99 198.75 6.80 5.00 4.23	

Domestic animals on farms and not on farms: 1910.— The following table gives the total number and value of domestic animals, distinguishing those on farms from those not on farms:

	DOMESTIC ANIMALS.										
KIND.	T	otal.	On	farms.	Not on farms.						
	56,158 1,691,98 36,655 1,354,6	Value.	Number.	Value,	Num- ber.	Value.					
Total	56,158 36,655 40,284 6,288	\$7,456,668 1,001,980 1,354,616 4,543,865 815,313 4,770 363,275 36,973 498	54,986 35,708 33,065 5,935 18 49,260 7,806 88	\$6,243,368 1,648,333 1,315,266 3,451,791 704,133 3,975 337,910 36,898 328	1,172 947 7,219 353 4 3,729 15 39	\$1,213,30 43,64 39,35 1,092,07 51,18 79 25,36					

The total value of all domestic animals in the state in 1910 was \$7,457,000, of which the value of animals not on farms constituted 16.3 per cent

report of milk produced during 1909 was 5,349 (considerably less than the total number reporting dairy products), and the number of dairy cows on such farms on April 15, 1910, was 25,600. The amount of milk reported was 7,860,000 gallons; assuming that there were the same number of cows in 1909 as in 1910, this would represent an average of 307 gallons per cow. In considering this average, however, it should be borne in mind that the quantity of milk reported is probably deficient and that the distinction between dairy and other cows is not always strictly observed in the census returns.

By reason of the incompleteness of the returns for milk produced, the Census Bureau has made no attempt to determine the total value of dairy products for 1909. For convenience a partial total has been presented comprising the reported value of milk and cream sold as such and sold on the butter fat basis and the reported value of butter and cheese made, whether for home consumption or for sale. The total thus obtained for 1909 is \$1,089,000, which may be defined as the total value of dairy products exclusive of milk and cream used on the farm producing.

Somewhat more than one-half of the milk reported as produced by Delaware farmers in 1909 was sold as such. The butter made on farms in 1909 was valued at \$400,000.

The following table shows the principal statistics relative to dairy products in 1909, with certain comparative statistics for 1899:

	FAR REPOR		37		VALUI	1.
	Num- ber.	Per cent of all farms.	Number or quantity.	Unit.	Total.	Av- erage per unit.
Dairy cows on farms April 15, 1910 On farms reporting	8, 259	76. 2	35, 708	Head .		
dairy products in 1909 On farms reporting	6, 645	61.3	31,653	Head .		
milk produced in 1909. Specified dairy products, 1909:	5,349	49.4	25,600	Head .		
Milk reported	5, 488 4	50, 6 (1)	7,859,857 1,563,161 700	Gals Lbs Lbs	\$400,428 114	\$0.26 0.16
Milk sold	1,321 65 26 3,872	12. 2 0. 6 0. 2 35. 7 (1)	4, 425, 909 25, 809 18, 149 1, 024, 945 200	Gals Gals Lbs Lbs	605,963 18,660 4,326 277,202 16	0.15 0.72 0.24 0.27 0.08
Total receipts from sales, 1909 Total value of milk, cream, and butter fat sold and					966,173	
butter and cheese made,					1,089,497	
Specified dairy products, 1899: Butter made	5,909 1	61.0 (¹)	1,629,949 104 1,075,921	Lbs Lbs Lbs	223, 732	0.21

 1 Less than one-tenth of 1 per cent,

Comparisons are made between 1909 and 1899 for but few of the census items relating to dairy products, for the reason that in 1899 estimates were made for farms with incomplete reports, which was not done at the census of 1910. The figures for milk produced and milk sold are particularly affected, but those for butter and cheese are approximately comparable. The table shows a decrease between 1899 and 1909 in the amount of butter made. The production of cheese in this state is negligible.

Wool: 1909 and 1899.—The next table gives statistics as to the production of wool on farms, the figures being partly based on estimates.

The total number of sheep of shearing age in Delaware on April 15, 1910, was 4,415, representing a decrease of 36.6 per cent as compared with the number on June 1, 1900 (6,964). The approximate production

of wool during 1909 was 3,000 fleeces, weighing 19,000 pounds, and valued at \$5,000. Of these totals about one-third represents estimates. The number of fleeces produced in 1909 was 55.1 per cent less than in 1899. The average weight per fleece in 1909 was 6.1 pounds, as compared with 4.6 pounds in 1899, and the average value per pound was 27 cents, as compared with 20 cents in 1899.

	Num-	M	woo	L PRODUC	ED.
	ber of farms reporting.	Sheep of shearing age.	Fleeces (num- ber).	Weight (pounds).	Value.
Sheep of shearing age on farms April 15, 1910 Wool produced, as reported, 1909 On farms reporting sheep April 15, 1910 On other farms. Total production of wool (partly estimated): 1909	107	4, 415 2, 604	1,970 1,858 118 3,150	11,818 11,241 572 19,059	\$3, 176 3, 023 153 5, 125
1899. Decrease, 1899 to 1909. Per cent of decrease.			7,021 3,871 55.1	32, 350 13, 291 41. 1	6, 618 1, 493 22, 6

Goat hair and mohair: 1909.—Although 35 farmers reported 88 goats and kids on their farm April 15, 1910, only 1 reported the production of goat hair or mohair during 1909. This farmer reported 70 fleeces, weighing 210 pounds and valued at \$52.

Poultry products: 1909 and 1899.—The statement below gives data relative to the production and sale of eggs and poultry:

			,	
	Number of farms	Number of fowls	PRODU	CT.
	report- ing.	on hand.	Quantity.	Value.
Fowls on farms April 15, 1910	10,095	876, 081		
On farms reporting eggs pro- duced in 1909 On other farms	9,250 845	836, 491 39, 590	Dozens.	
Eggs produced, as reported, 1909 Total production of eggs (partly esti- mated);	9,297		4,224,300	\$920,139
1809. 1809. Increase, 1899 to 1909. Per cent of increase			4,448,482 3,571,870 876,612	968, 970 488, 401 480, 569
Eggs sold, as reported, 1909	8,880		24.5 3,346,683	98. 4 729, 305
Fowls on farms April 15, 1910: On farms reporting poultry raised in 1909 On other farms	9, 256 839	827, 913 48, 168	No. of fowls,	
Poultry raised, as reported, 1909 Total poultry raised (partly esti- mated);	9,342		1,476,469	792, 420
1909 1899 Increase, 1899 to 1909			1,562,370	838, 533 596, 391 *242, 142 40, 6
Per cent of increase			623, 200	355, 215

The total number of fowls on Delaware farms on April 15, 1910, was 876,000. Of the 10,095 farms reporting fowls, 845 did not report any eggs produced in 1909 and 839 did not report any poultry raised in 1909. The production of eggs actually reported for the year 1909 was 4,224,000 dozens, valued at \$920,000. According to the Twelfth Census reports the production of eggs in 1899 was 3,572,000 dozens, the value being \$488,000. The latter figures, however, are somewhat in excess of the actual returns at that cen-

¹ Farmers should be able in general to report the production of wool more accurately than that of dairy products. There were, however, 121 farmers who reported the possession of 1,811 sheep of shearing age on April 15, 1910, without reporting any wool produced in 1909. Probably in a large proportion of cases this failure was due to the fact that they did not have these sheep, or did not occupy the same farm, during the preceding year. The returns of farms reporting wool in 1909 but no sheep of shearing age on April 15, 1910, would partially make up this deficiency, but it is believed that in many cases enumerators, having found that a farm had no sheep in 1910, omitted the inquiry as to wool produced in 1909, and thus missed more or less wool actually produced. It is a fairly safe assumption that the entire production of wool in 1909 bore the same relation to the entire number of sheep of shearing age on April 15, 1910, as the production of wool on those farms reporting both production and sheep bore to the number of sheep reported on such farms. Statistics for this group of farms are given in the table, and the total wool product, estimated on the basis of the above assumption, is also given.

sus, because they include estimates made to cover those cases where the schedules reported fowls on hand without reporting the production of eggs. In order to make the returns for 1909 comparable with those published for 1899 similar estimates have been made, the method of estimate and the justification therefor being substantially the same as in the case of wool. The total production of eggs in 1909, including these estimates, was 4,448,000 dozens, valued at \$969,000. The total production of poultry in 1909, including estimates made on the same basis as for eggs, was 1,562,000 fowls, valued at \$839,000.

Honey and wax: 1909.—Although, as noted elsewhere, 1,119 farms reported 6,410 colonies of bees on hand April 15, 1910, 416 of these farms, with 1,426 colonies on hand April 15, 1910, made no report of honey or wax produced in 1909. The actual returns show the production of 62,777 pounds of honey, valued at \$7,770, and 2,756 pounds of wax, valued at \$465; the true totals are doubtless somewhat above these figures.

Sale or slaughter of domestic animals on farms: 1909 and 1899.—The next statement presents statistics relating to the sale or slaughter of domestic animals by Delaware farmers during the year 1909, with certain items for 1899.

The total value of domestic animals sold during 1909 was \$768,000, and that of animals slaughtered on farms \$571,000, making an aggregate of \$1,339,000. This total, however, involves considerable duplication, resulting from the resale or slaughter of animals which had been purchased by the farmers during the same year.

The value of the cattle (including calves) soldduring 1909 represented considerably more than onehalf of the total value of animals sold, and the value of horses sold represented about one-fifth of the total.

The census of 1900 called for the receipts from the sale of all domestic animals raised on the farms reporting and the value of those slaughtered during 1899, which amounted, respectively, to \$396,000 and \$424,000. The item of sales is not closely comparable with that for 1909, when the inquiry covered all sales whether of animals raised on the farms reporting or elsewhere. It is believed, however, that in many cases the returns for 1899 also included receipts from sales of animals not actually raised on the farms reporting.

	FAR REPOR		Number	VALUE,		
	Number.	Percent of all farms.	of ani- mals.	Total.	Aver- age.	
1909—All domestic animals:						
Sold	· · · · · · · · · · · ·			\$708,034 570,575	• • • • • • • • • • • • • • • • • • • •	
SoldSlaughteredOther cattle:	4, 481 54	41. 4 0. 5	19,292 414	191, 991 4, 508	\$ 9. 95 10. 89	
Sold	1,805 150	16.7 1,4	7,070 5 51	261, 085 18, 235	36, 93 33, 09	
Sold	665	6.1	1, 453	157, 985	. 108.73	
Sold	140	1.3	307	38,226	124.51	
SoldSwine:	2	(1)	5	225	45.00	
Sold Slaughtered	1,978 6,636	18.3 61.2	20,979 27,588	112, 170 547, 429	5.35 10.84	
Sold	96 10	0.9 0.1	1,301 87	6,261 398	4.81 4.57	
Sold	9 2	(1)	15 2	91 5	0.07 2.50	
1899—All domestic animals: Sold ²				396, 264 424, 400		

¹ Less than one-tenth of 1 per cent.
² Schedules called for receipts from sales of animals raised on the farms reporting.

CROPS.

Summary: 1909 and 1899.—The next table summarizes the census data relative to all of the farm crops of 1909 and 1899. It includes not only general farm crops, but also flowers and plants, nursery products, and forest products of farms. In comparing one year with the other it should be borne in mind that acreage is on the whole a better index of the general changes or tendencies of agriculture than either the quantity or the value of the crops, since variations in quantity may be due largely to temporarily favorable or unfavorable climatic conditions, and variations in the value of the crops are largely affected by changes in prices. (See also discussion of "Total value of farm products.")

The total value of crops in 1909 was \$9,122,000. Of this amount, 93.1 per cent was contributed by crops for which the acreage as well as the value was reported, the remainder consisting of the value of byproducts (straw, garden and grass seeds, etc.) derived from the same land as other crops reported, or of orchard fruits, nuts, forest products, and the like. The combined acreage of crops for which acreage was re-

ported was 438,522, representing 61.5 per cent of the total improved land in farms (713,538 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 for which was not reported.

The general character of Delaware agriculture is indicated by the fact that about one-half (51.4 per cent) of the total value of crops in 1909 was contributed by the cereals, about one-fifth (20.1 per cent) by potatoes and other vegetables, and about one-eighth by (12.9 per cent) by hay and forage. The remainder, representing 15.6 per cent of the total, consisted mostly of small fruits, forest products, and orchard fruits and nuts.

The total value of crops in 1909 was 45.4 per cent greater than in 1899, this increase being no doubt due in part to higher prices. There was a slight increase (0.3 per cent) in the total acreage of crops for which acreage was reported, the greatest absolute increase being that in the acreage of potatoes and sweet potatoes and yams, and the greatest absolute decrease that in the acreage of cereals.

					ENT OF		VALUE OF PRODUCTS.					
and the state of t	4000	,		Increase.1		OVED ND PIED.	4000	4000	Increase.1		Per cent of total.	
	1909	An	Amount.	Per cent.	1909	1899	1909	1899	Amount.	Per cent.	1909	1899
All crops							\$9,121,809	\$6,275,360	\$2,846,449	45. 4	100.0	100.0
Crops with acreage reports. Cereals. Other grains and seeds. Hay and forage. Sugar crops. Sundry minor crops. Potatoes and sweet polatoes and yams. Other vegetables. Flowers and plants and nursery products. Small fruits	438,522 309,288 1,695 80,669 17 14,932 22,939 226 8,687	437, 168 318, 772 620 74, 800 150 16 8, 020 23, 987 204 10, 599	1,354 -9,484 1,075 5,869 -81 1 6,912 -1,048 22 -1,912	0.3 -3.0 173.4 7.8 -54.0 (3) 86.2 -4.4 10.8 -18.0	(2)	58.0 42.3 0.1 9.9 (2) 1.1 3.2 (2) 1.4	8, 489, 539 4, 692, 329 26, 861 1, 174, 473 2, 453 506 730, 079 1, 102, 620 110, 486 649, 732	5,713,085 3,032,513 6,937 089,848 3,175 510 317,977 826,244 74,254 461,621	2,776,454 1,659,816 19,924 184,625 -722 -10 412,102 276,376 36,232 188,111	48. 6 54. 7 287. 2 18. 7 -22. 7 -1. 9 129. 0 33. 4 48. 8 40. 7	93. 1 51. 4 0. 3 12. 9 (2) (2) 8. 0 12. 1 1. 2 7. 1	91. 0 48. 3 0. 1 15. 8 0. 1 (2) 5. 1 13. 2 1. 2 7. 4
Grops with no acreage reports. Seeds							632, 270 30, 435 240, 704 346, 062 15, 069	562,275 16,151 4 295,518 250,481 125	69, 995 14, 284 -54, 814 95, 581 14, 944	12. 4 88. 4 -18. 5 38. 2 11, 955. 2	6.9 0.3 2.0 3.8 0.2	9, 0 0, 3 4, 7 4, 0 (2)

¹ A minus sign (—) denotes decrease ² Less than one-tenth of 1 per cent.

General farm crops, minor grains and seeds, and sundry minor crops: 1879 to 1909.—The following table presents statistics for 1909 regarding cereals, other grains and seeds, hay and forage, potatoes, and sundry minor crops:

CROP.	Farms	Acres	QUANTI	ry.	Value.
ONOF.	ing.	harvested.	Amount.	Unit.	v alue.
Cereals, total. Corn. Oats. Wheat, total. Common winter. Common spring. Emmer and speit. Barley. Buckwheat. Rye. Kafir corn and milo maize.	9,923 698 4,827 4,822 5 10 8 743 210 2	309, 288 188, 755 4, 226 111, 215 111, 172 43 41 31 4,002 1,017	6,848,544 4,839,548. 98,239 1,643,572 1,643,113 459 1,412 422 53,903 11,423 25	Bu Bu Bu Bu Bu Bu Bu Bu	8,169
Other grains and seeds with acreage report, total 1 Dry edible beans Dry peas. Seeds with no acreage report, total 2 Clover seed. Flower and garden seeds.	292	1, 695 55 1, 615	13,371 648 12,521 5,742	Bu Bu Bu	26, 861 1, 387 25, 278 30, 435 29, 679
Hay and forage, total Timethy alone. Timothy and clover mixed Clover alone. Alfalfa. Millet or Hungarian grass. Other tame or cultivated grasses. Wild, salt, or prairie grasses.	6, 928 1,497 2,103 3,240 70 256 171	80, 669 17, 676 26, 776 18, 240 205 746 1, 182	103, 575 22, 588 31, 387 27, 467 580 1, 081 1, 695 8, 740	Tons. Tons. Tons. Tons. Tons. Tons. Tons. Tons.	1, 174, 473 335, 430 430, 757 269, 168 7, 927 10, 625
Grains cut green Coarse forage R oot forage	1,048 91 8	4,566 869 12	5,690 4,209 138	Tons. Tons. Tons.	52,512 16,856 858
Potatoes		9,703 5,229 17	880,360 733,746	Bu Bu	453,400 276,679 506

The leading crops covered by the table, in the order of their importance as judged by value, are corn, \$2,903,000; wheat, \$1,698,000; hay and forage, \$1,174,000; potatoes, \$453,000; and sweet potatoes and yams, \$277,000. It should be noted, however, that other crops, the statistics for which appear elsewhere,

are more important than potatoes or sweet potatoes and yams.

From the preceding table it will be noticed that the cereal crops occupy an acreage nearly four times as great as that of the hay and forage crops. They consist mainly of corn and winter wheat, but little over 9,000 acres being reported for other cereals combined.

Acreage is omitted in the case of some crops on account of uncertainties in the reports. Potatoes, sweet potatoes and yams, and dry peas are the only crops outside of cereals and hay and forage for which any considerable acreage is reported.

The fluctuations in the acreages of some of the principal crops during the past 30 years are shown in the following table:

	ACRES HARVESTED.							
CEOP YEAR.	Corn.	Oats.	Wheat.	Hay and forage.	Potatoes.	Sweet potatoes and yams		
1909 1899 1889 1889	188, 755 192, 025 174, 796 202, 120	4,226 5,247 19,374 17,158	111,215 118,740 94,368 87,539	80,669 74,800 76,199 42,688	9,703 5,755 4,870 (¹)	5,229 2,265 2,158 2,472		

¹ Not reported.

There has been a considerable fluctuation in the acreage of corn, resulting in a net decrease of over 13,000 acres, or 6.6 per cent, during the 30 years covered by the above table, though the acreage was greater in 1909 than 20 years before. The net decrease in the acreage of oats is much more marked, the acreage for 1909 being less than one-fourth that for 1879, and only slightly more than one-fifth that for 1889.

On the contrary, the acreage of wheat has made an appreciable gain since 1879, although it decreased slightly during the last decade, while that of hay and forage has nearly doubled, and that of sweet potatoes and yams has more than doubled. The acreage of potatoes, which was not reported prior to 1889, has

³ Per cent not calculated when base is less than 100. 4 Includes value of raisins and other dried fruits, wine, cider, vinegar, etc.

Includes small amount of peanuts.
 Includes small amounts of other varieties of grass seeds.
 The entire acreage from which these seeds were secured is believed to be included in the acreage given elsewhere for hay and forage crops, flowers and plants, etc.
 Includes small amounts of hops and broom corn.

increased from 4,870 to 9,703, or 99.2 per cent, during the past two decades.

The following table shows for 1909 and 1899 the percentage which the farms reporting specified crops represented of all farms, the percentage of improved land devoted to these crops, and the percentage of increase or decrease in the acreage of each crop during the decade, together with the average yields and average values per acre for 1909:

· CROP.	PER CENT OF FARMS REPORTING.		PER CE	OVED	Per cent of increase in acres,	AVERAGE YIELD PER ACRE.	AVERAGE VALUE PER ACRE.	
	1909	1899	1909	1899	1899 to 1909.1	1909	1909	
Corn Oats Wheat Buckwheat Ryo Hay and forage Potatoes Sweet potatoes and yams	91. 6 6. 4 44. 5 6. 9 1. 9 63. 9 70. 5	95.9 8.1 58.0 4.7 2.5 79.7 71.3	26.5 0.6 15.6 0.6 0.1 11.3 1.4	25.5 0.7 15.7 0.2 0.1 9.9 0.8	-1.7 -19.5 -6.3 142.3 -7.8 7.8 68.6	25.6 Bu. 23.2 Bu. 14.8 Bu. 13.5 Bu. 11.2 Bu. 1.28 Tons. 90.7 Bu. 140.3 Bu.	\$15.38 12.07 15.26 7.71 8.03 14.56 46.73	

1 A minus sign (-) denotes decrease.

Out of every 10 farms 9 report corn, 7 potatoes, and 6 hay and forage. None of the other crops are reported from as many as half of the farms, wheat and sweet potatoes and yams, which are the most common, being grown on 44.5 per cent and 42.1 per cent of the farms, respectively, while buckwheat, oats, and rye are raised by comparatively few farmers.

In the percentage of improved land occupied by the different crops corn comes first with 26.5 per cent, wheat and hay and forage following in order. The most noticeable relative increases in acreage are made by buckwheat, sweet potatoes and yams, and potatoes; the greatest decreases by oats, rye, and wheat.

Sussex is the leading county in the production of corn, buckwheat, potatoes, sweet potatoes and yams, and clover, and New Castle in the production of wheat and of hay and forage.

Vegetables, flowers and plants, and nursery products: 1909 and 1899.—The table which follows shows details with regard to vegetables (not including potatoes and sweet potatoes and yams, which appear elsewhere), and also with regard to flowers and plants and nursery products.

In 1909 the total acreage of potatoes and other vegetables was 37,871, and their value \$1,832,699. Excluding (so far as separately reported 1) potatoes and sweet potatoes and yams, the acreage of vegetables was 22,939, and their value \$1,103,000, the acreage being somewhat less and the value considerably greater than in 1899.

The raising of flowers and plants and of nursery products was also of some importance in Delaware, 226 acres being devoted to them in 1909 and the output being valued at \$110,486. Most of the product

was raised on farms where these branches of agriculture were carried on as an important business.

	FARMS REPORTING, 1909		ACR	es.	VALUE OF PRODUCTS.					
CROP.	Num- ber.	Per cent of all farms.	1909	1899	1909	1899				
Vegetables, other than potatoes and sweet potatoes and yams, total. Farms reporting a product of \$500 or over All other farms Flowers and plants, total. Farms reporting a product of \$250 or over All other farms.	1 8, 525 291 8, 234 44 27 17	78.7 2.7 76.0 0.4 0.2	22,939 3,710 19,229 44	23, 987	\$1, 102, 620 239, 450 863, 170 71, 429 69, 595 1, 834	\$826, 244 				
Nursery products, total Farms reporting a prod- uct of \$250 or over All other farms	19 14 5	0.2	182	174	39,057 38,421 636	17,241				

 $^{^1}$ Does not include 1,058 farms which reported that they had vegetable gardens, but gave no information as to their products. $^\circ$ Less than one-tenth of 1 per cent.

Small fruits: 1909 and 1899.—The following table shows data with regard to small fruits on farms:

ţ.	Number of farms	ACR	ES.	Quantity	Walter	
CROP.	report- ing, 1909	1909	1899	(quarts), 1909	Value, 1909	
Small fruits, total. Strawberries. Blackberries and dowberries. Raspberries and loganberries. Currants. Gooseberries Other berries.	3, 625 650 237 23 39	8, 687 7, 194 1, 256 223 3 11	10,599 6,344 2,935 1,280 12 24 4	14,425,209 12,730,265 1,403,977 275,871 2,973 12,123	\$649,732 569,354 61,817 17,359 294 908	

Strawberries are by far the most important of the small fruits raised in Delaware, with blackberries and dewberries ranking next. The total acreage of small fruits in 1909 was 8,687 and in 1899, 10,599, a decrease of 18 per cent. The production in 1909 was 14,425,000 quarts, as compared with 13,670,000 quarts in 1899, and the value was \$650,000 in 1909, as compared with \$462,000 in 1899.

Orchard fruits, grapes, nuts, and tropical fruits: 1909 and 1899.—The next table presents data with regard to orchard fruits, grapes, nuts, and tropical fruits. The acreage devoted to these products was not ascertained. In comparing one year with the other the number of trees or vines of bearing age is on the whole a better index of the general changes or tendencies than the quantity of product, but the data for the censuses of 1910 and 1900 are not closely comparable and the product is therefore compared, although variations may be due largely to temporarily favorable or unfavorable climatic conditions.

The total quantity of orchard fruits produced in 1909 was 309,000 bushels, valued at \$196,000. Apples contributed more than one-half of this quantity, and pears most of the remainder. The production of grapes in 1909 amounted to 1,938,000 pounds, valued at \$43,967, while that of nuts was unimportant.

¹ It is probable that some of the potatoes and sweet potatoes and yams raised in farm gardens were not reported separately by farmers, but were included in their returns for vegetables.

•		OR VINES		ES OR NOT OF	1	PRODUCT.			
CROP.	OFBEA	RING AGE, 1910	BEARII 19	IG AGE,	19	1899			
onor.	Farms re- port- ing,	Number.	Farms re- port- ing.	Num- ber.	Quan- tity.1	Value.	Quan- tity.1		
Orchard fruits, total. Apples. Peaches and nec- tarines. Pears. Plums and prunes. Cherries. Apricots. Quinces. Unclassified.	6,741 3,853 4,451 1,285 1,882 41 346	1,177,402 449,692 27,115 16,145	389	575, 897 263, 813 212, 117 90, 917 3, 872 4, 598 52 528	183,094 16,722 105,357 657 2,634	\$195,786 115,371 21,402 52,022 540 4,850 9 1,572	702, 920 9, 750 156, 208 7, 315		
Grapes	1, 309	260, 963	265	98,950	1, 938, 267	43,967	1,375,300		
Nuts, total Black walnuts Unclassified	2 60	4 1, 964 890	60	4 2,760 554	4 39 , 142 35, 200	4 964 581	40,750 (2) 3 40,750		
Tropical fruits (figs)	8	32	4	44	125	7			

¹ Expressed in bushels for orchard fruits and pounds for grapes, nuts, and figs.
² Included with "unclassified."
³ Consists of products not separately named by the enumerator, but grouped under the designation "all other."
⁴ Includes chestnuts, Japanese walnuts, Persian or English walnuts, almonds, pecans, hickory nuts, hazelnuts, filberts, butternuts, and other nuts.

The production of all orchard fruits together in 1909 was 65 per cent less in quantity than that in 1899, while the production of grapes increased. The value of orchard fruits decreased from \$263,000 in 1899 to \$196,000 in 1909, while that of grapes increased from \$31,701 in 1899 to \$43,967 in 1909. It should be noted that the values for 1899 include the value of more advanced products derived from orchard fruits or grapes, such as eider, vinegar, dried fruits, and the like, and may therefore involve some duplication, while the values shown for 1909 relate only to the products in their original condition.

The following table shows the quantities of the more advanced products manufactured by farmers from orchard fruits and grapes. Values were not called for on the schedule.

Product.	REPO	RMS RTING, 109	QUANTITY PRODUCED.			
1100001	Num- ber.	Percent of all farms.	Unit.	1909	1899	
Cider	319 176 28 15	2.9 1.6 0.3 0.1	Gals Gals Gals Lbs	36, 145 9, 481 1, 379 370	119,354 57,929 1,847 22,940	

Sugar crops: 1909 and 1899.—The table below shows data with regard to sugar beets and sorghum cane. The total value of sorghum cane and sirup produced in 1909 was \$2,267, as compared with \$3.175 in 1899.

	FARMS REPORTING.			PRODUCT.			
PRODUCT.	Num- ber.	Percent of all farms.	Acres.	Amount.	Unit.	Value.	
Sugar beets, 1909 ¹	3	(2)	8	25	Tons	\$185	
Cane grown Sirup made. Total, 1899 Cane grown Sirup made.	117 116 198	1.1 1.1 2.0	66 150	272 4,517 1,001 8,952	Tons Gals Tons	2,207 2,231 3,175 3,175	

1 Used as root forage. 2 Less than one coarse forage. 2 Less than one-tenth of 1 per cent.

Forest products: 1909 and 1899.—The census schedules for 1910 called for the "value of all firewood, fencing material, logs, railroad ties, telegraph and telephone poles, materials for barrels, bark, naval stores, or other forest products cut or produced in 1909, whether used on farm, sold, or on hand April 15, 1910;" and also, in a separate item, for the "amount received from sale of standing timber in 1909." There were 5,429 farms in Delaware (50.1 per cent of all farms in the state) which reported forest products in 1909, the total value of such products being \$346,062 as compared with \$250,481 in 1899, an increase of 38.2 per cent. Of the value in 1909, \$180,061 was reported as that of products used or to be used on the farms themselves, \$101,814 as that of products sold or for sale, and \$64,187 as the amount received for standing timber. It should be noted that forest products not produced on farms are not included in this report.

Miscellaneous crops: 1909.—Straw and cornstalks derived as by-products from the production of grain and corn have a considerable value for feed and other purposes. They are, however, mainly consumed on the farms producing them. The Census Bureau made no attempt to ascertain the total quantity or value of these products, but the schedules called for the quantity and value of those sold during the year 1909. The returns show that 131 farmers in Delaware sold, during 1909, 1,385 tons of straw, for which they received \$11,256, and that 118 farmers sold 738 tons of cornstalks and leaves, for which they received \$3,813.

SELECTED FARM EXPENSES AND RECEIPTS.

Farm expenses: 1909 and 1899.—The next table shows the number of farms reporting expenditures for labor, feed, and fertilizer at the census of 1910, as well as the sums expended in 1909 and 1899.

		1909		1899	increase,		
expense.	Farms reporting.						
eafen,ie,	Number.	Percent of all farms.	Amount.	Amount.	Amount.	Per cent.	
Labor FeedFertilizer	6,841 3,461 9,023	63.1 31.9 83.3	\$1,612,471 337,841 864,577	\$1,075,960 (1) 539,040	\$536, 511 325, 537	49.9	

1 Not reported at the census of 1900.

Approximately 25 per cent of the amount reported as expended for labor is in the form of rent and board. During the decade the total expenditures for labor increased 49.9 per cent.

Slightly more than three-fifths of the farmers hire labor, and the average amount expended by the farmers hiring is about \$236. At prior censuses no tabulation was made of the number of farmers reporting expenditures for labor.

About one farmer out of every three reports some

expenditure for feed, while over four out of five report the purchase of fertilizer. The total amount reported as paid for fertilizer is more than one and three-fifths times as great as in 1899, the average per farm being nearly \$96.

Receipts from sale of feedable crops: 1909.—An effort was made at the census of 1910 to secure as complete a statement as possible of the sales as well as of the production of the more important feedable crops (that is, crops ordinarily fed to live stock). The following table summarizes the data reported:

	FAR REPOR		QUANTIT	Amount	
CROF.	Number.	Percent of all farms.	Amount.	Unit.	received.
Total Corn. Oats Hay and coarse forage.	2,880 95 893	26. 6 0. 9 8. 2	941, 449 10, 025 10, 222	Bu Bu Tons	\$713,022 587,193 5,454 120,375

While the total amount expended by Delaware farmers for the purchase of feed in 1909 was \$338,000, the total receipts from the sale of feed by those reporting sales amounted to \$713,000.

COUNTY TABLES.

Tables 1 to 6, which follow, present by counties the more important agricultural data collected at the Thirteenth Census, 1910.

Table 1 shows the population, number of farms, land and farm area, value of farm property, and number and value of domestic animals and of poultry and bees, as of April 15, 1910. Comparative data for June 1, 1900, are given in italics for certain items.

Table 2 gives the number of farms, the farm acreage, and the value of farm property operated by owners, tenants, and managers, collected as of April 15, 1910. Statistics of farm mortgages are included in this table. (See explanation in text.) Comparative data for June 1, 1900, are given in italics for certain items.

Table 3 gives statistics pertaining to the products of

live stock on farms (dairy products, poultry and eggs, honey and wax, and wool and mohair); also the number and value of domestic animals sold or slaughtered on farms for the year 1909.

Table 4 shows the total value of farm crops and the principal classes thereof, together with the acreage (or trees of bearing age) and production of the principal crops for the year 1909.

Table 5 gives statistics relating to selected farm expenses for 1909 and also shows the receipts from the sale of feedable crops.

Table 6 shows the number and value of domestic animals in barns and inclosures not on farms, by classes, together with the number of dairy cows and mature horses and mules, on April 15, 1910.

TABLE 1.—FARMS AND FARM PROPERTY, BY COUNTIES: APRIL 15, 1910.

[Comparative data for June 1, 1900, in italics.]

T		THE STATE.					
		Total.	White.	Colored.	Kent.	New Castle.	Sussex.
1	Population	202, 322 184, 785	171, 103 158, 977	31, 219 80, 758	32, 721 32, 762	123, 188 109, 697	46, 413 42, 276
3	Population in 1900 Number of all farms Number of all farms in 1900.	10,836	9,914	922	3, 120	2,208	5,508
4	Number of all farms in 1900Color and nativity of farmers:	9,087	8,869	818	2,814 2,576	2,088 1,9 6 1	4,785 4,987
5 6 7	Color and nativity of farmers: Native white Foreign-born white Negro and other nonwhite Number of farms, classified by size:	9,504 410 922	9,504 410	922	191 353	149	70 471
	Negro and other nonwhite	20	29	2	7	23	212
8	Number of farms, classified by size: Under 3 acres. 3 to 9 acres.	672 831	547 666	125 165	188 255	230 176	254 400
10 11 12	10 to 9 acres	1,988 2,977	1,767 2,782	221 195	478 767	340 445	1,170 1,765
13	100 to 174 pares	2,849	2,696	153 42	884 373	545 281	1,429 340
14 15	175 to 174 antes 175 to 259 acres 260 to 499 acres	994 435 52	952 421 48	14	139 24	153 14	143 14
17	500 to 499 series 1,000 acres and over	6	6		5	i	
18	Approximate land area	1,257,600 1,038,866			394, 880	278, 400 234, 423	584,320 469,178
18 19 20 21 22 23 24	Approximate land area acres Land in farms acres Land in farms in 1900 acres Improved land in farms acres Yes oddland in farms acres Woodland in farms acres Other unimproved land in farms acres	1,066,228	981,893 1,013,662 676,462	56,973 <i>52,566</i> 37,076	335, 265 338, 205 239, 314 244, 382	234, 423 244, 828 185, 845	483, 200 288, 379
21 22	Improved land in farms acres. Improved land in farms in 1900 acres.	713, 538 754, 010 252, 032	719,394 235,764	34.616	244, 382	197, 102 27, 849	312,526 155,585
	Woodland in farms. acres. Other unimproved land in farms acres.	73, 296	69,667	16, 268 3, 629	68, 598 27, 353	20,729	25, 214
25 26	Per cent of land area in farms	82, 6 68, 7	78.1 68.9	4: 5 65. 1	84. 9 71. 4	84. 2 79. 3 106. 2	80. 3 61. 5 85. 2
27 28	Per cent of farm fand improved. Average acres per farm. Average improved acres per farm.	95. 9 65. 8	99.0 68.2	61.8 40.2	107. 5 76. 7	84.2	52.4
29	VALUE OF FARM PROPERTY	63,179,201 40,697,664	60, 828, 356 39, 502, 838	2,350,845 1,394,816	18, 668, 662 11, 661, 109	24, 474, 316	20,036,223
30	All farm property dollars. All farm property in 1900. dollars. Per cent increase, 1900–1910.	40,697,654 55.2	39,302,838 54.8	1,394,816 68.5	11,661,109 60.1	18, 271, 834 33. 9	10,764,711 86.1
·32 33	Land dollars dollars dollars	34,938,161 23,768,820	33, 486, 704 22, 897, 750	1,451,457 871,070	11, 132, 073 6, 628, 200	12,336,220 11,088,570	11, 469, 868 6, 052, 050
34 35	Buildings dollars dollars dollars. Buildings in 1900 dollars.	18,217,822 10,607,220	17.687.563	530, 259 303, 180	4,553,434 8,128,570 949,036	8, 469, 750 4, 785, 290	5, 194, 638 2, 753, 560
35 36 37	Implements and machinery dollars. Implements, etc., in 1900 dollars.	3,206,095 2,150,560	10,364,040 3,100,005 2,077,280	100,090 73,280	949, 036 665, 030 2, 034, 119	12,386,220 11,088,570 8,469,750 4,785,290 1,227,234 840,850	1,029,825 644,680
-38 -39	Domestic animals, poultry, and beesdollars Domestic animals, etc., in 1900dollars	6,817,123 4,111,054	6,548,084 3,963,768	269,039 147,286	2,034,119 1,239,509	2, 441, 112 1, 557, 124	2,341,892 1,814,421
40	Per cent increase, 1900–1910.	55.8	55.1	. 61.7	59. 0	50.4	57.2
41 42	Per cent of value of all property in— Land. Buildings Implements and machinery. Domestic animals, poultry, and bees.	28.8 5.1	29. 1 5. 1	22. 6 4. 3	24. 4 5. 1	34. 6 5. 0 10. 0	25. 9 5. 1 11. 7
43	Average values:		10.8	11.4	10.9	11,084	8,638
45 46	All property per farm. dollars. Land and buildings per farm dollars. Land per acre. dollars. Land per acre in 1900. dollars.	5,830 4,905 83.63	6,136 5,162 34.10	2,550 2,149 25.48	5,984 5,027 33.20	9, 423 52. 62	3,026 24.45
47	Land per acre in 1900 dollars.	22. 29	22. 59	16. 57	19. 60	45. 29	12.52
-48	DOMESTIC ANIMALS (farms and ranges) Farms reporting domestic animalsdollarsdollars	10,450	9,590	860	2,982	2,152	5,316
49	Cattle:	6,243,368	5,993,792	249,576	1,872,128	2,292,312	2,078,928
50 51	Total number. Dairy cows	54,986 35,708 8,497	58,158 34,631	1,833 1,077	17,599 11,398	25,211 16,487	12,176 7,823
51 52 53 54 55	Other cows. Yearling heifers.	5,580	3,237 5,100	260 160	907 1,599	1,418 2,786	1,172 875
55 55	Calves. Yearling steers and bulls. Other steers and bulls.	7,153 1,488	6,946 1,437 1,802	207 51 78	2,499 643 553	3,164 592 764	1,490 253 563
56 57	Value	1,880 1,648,333	1,600,980	47,853	468,332	861,707	318,294
-58 59	Total number	20, 632	31,382 28,103	1,683 1,529	10,999 9,745	11,105 9,979	10,961 9,908
60 61	Yearling colts Spring colts Value dollars	29,632 2,311 1,122	28,103 2,209 1,070	102 52	779 475	841 285	691 362
62	Mules:		3,307,140	144,651	1,083,028	1,253,081	1, 115, 682
63 64	Total number	5,935 5,676	5,579 5,327	356 349	1,658 1,504	524 483	3,753 3,689
65 66	Yearling colts Spring colts Odlars Value dollars	173 86	167 85	00 500	63	31	13
67 68	Aggeg and hurrogs	1	724,600	39,533	202, 137	72,485	489, 511
.68	Number Value dollars.	3,975	3,975	***************************************	3,335	80	560
70 71	Total number	24 101	46,519 32,142	2,741 1,959	14,667 9,806	13,679 9,496	20, 914 14, 709
72 73	Spring pigs	15,159 337,910	14,377	782 17,544	4,861 95,258	4,183 94,976	6, 115 147, 676
74	Sheep: Total number	,	7,679	127	4,085	1,869	1,852
75 76 77	Rams, ewes, and wetners. Spring lambs Value	3,391	4,347 3,332	68 59	2,253 1,832	1,046 823	1,116 736
	Goats:		36,417	481	19,959	9,896	7,043
78 79	Valuedollars	88 328	83 314	5 14	22 79		50 162
80	POULTRY AND BEES Number of poultry of all kinds. dollars. dollars.	876,081	843,915 540,868	32,166	233,569	213,202	429, 310
81 82 83	Value dollars dollars. Number of colonies of bees dollars dollars.	6,410	11 6.308	102	158,821 1,538 3,170	147,022 506	254,303 4,366
-88	, dollarsdollars	13,609	13,424	185	3,170	1,778	8,661

'TABLE 2.—NUMBER, ACREAGE, AND VALUE OF FARMS CLASSIFIED BY TENURE; COLOR AND NATIVITY OF FARMERS; AND MORTGAGE DEBT, BY COUNTIES: APRIL 15, 1910.

[Comparative data for June 1, 1900, in italics.]

-		June 1, 1900, m					
			THE STATE.		Kent.	New Castle.	Sussex.
		Total.	White.	Colored.	7201101	New Cashe.	DUBSUA.
1 2 3 4	FARMS OPERATED BY OWNERS Number of farms in 1900. Per cent of all farms. Per cent of all farms.	6, 178 4, 680 57. 0 48. 5	5,772 4,848 58.2 49.0	406 352 44. 0 40. 6	1,548 1,147 49.6 40.8	I,142 948 51.7 46.1	3,488 2,591 63.3 54.1
.5 6 7	Land in farms . acres	476,827 322,077 27,175,067	463, 212 312, 803 26, 627, 516	13, 615 9, 274 547, 551	123,139 89,241 6,440,216	83,370 64,600 9,952,125	270,318 168,236 10,782,726
8	Farms consisting of owned land only Farms consisting of owned and hired land. Color and nativity of owners:	5,865 313	5,518 254	347 59	1,503 45	1,105 37	3, 257 231
10 11 12	Native white. Foreign-born white. Negro and other nonwhite.	5,448 324 406	5,448 324	406	1,221 104 163	984 97 61	3,243 63 182
13 14 15 16	FARMS OPERATED BY TENANTS Number of farms in 1900. Per cent of all farms in 1900. Per cent of all farms in 1900.	4,535 4,876 41.9 60.3	4,035 4,405 40.7 49.7	500 471 54. 2 57. 6	1,522 1,640 48.8 58.3	1,006 1,077 45.6 61.6	2,007 £,169 36.4 45.1
17 18 19	Land in farms	540, 875 373, 874 24, 204, 636	499,012 348,106 22,016,271	40,963 25,768 1,288,365	200,714 140,545 8,671,811	143, 113 114, 770 9, 767, 545	197,048 118,559 5,765,280
20 21 22 23	Form of tenancy: Share tenants. Share-cash tenants. Cash tenants. Tenure not specified.	3,622 47 619 247	3,201 43 564 227	421 4 55 20	1,195 10 149 168	588 15 353 50	1,839 22 117 29
24 25 26	Color and nativity of tenants: Nativo white. Foreign-born white. Negro and other nonwhite.	79	3,956 79	500	1,318 24 180	925 48 33	1,713 7 287
27 28 29 30 31	FARMS OPERATED BY MANAGERS Number of farms in 1900 Land in farms	131	107 110 18,769 15,553 1,030,480	16 15 2,395 2,034 145,800	50 27 11,412 9,528 573,480	60 <i>69</i> 7,940 6,475 1,086,300	18 <i>95</i> 1,812 1,584 116,600
32 33 34	For all farms operated by owners: Number free from mortgage dobt. Number with mortgage dobt. Number with no mortgage report. Nortgage report.	2, 264 97	3,586 2,093 93	231 171 4	766 748 84	531 595 10	2,520 921 47
35 36 37 38	Number reporting dobt and amount Value of their land and buildings. dollars Amount of mortgage dobt dollars. Per cent of value of land and buildings.	3,068,721	1,884 8,604,476 3,005,927 34.9	137 197,500 62,794 31.8	087 2,800,861 983,028 35.0	3,629,050 1,344,593 37.0	2,366,065 741,100 31.3

¹ No mortgage reports were secured for farms operated by tenants and managers. (See explanation in text.)

TABLE 3.—LIVE STOCK PRODUCTS, AND DOMESTIC ANIMALS SOLD OR SLAUGHTERED ON FARMS, BY COUNTIES: 1909.

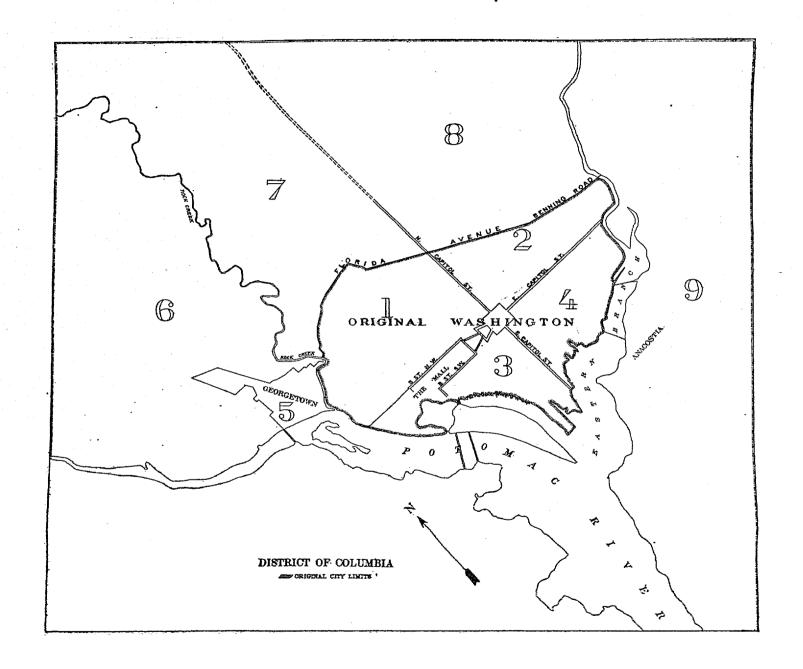
	0001	11130. 1000.	•			
	LIVE STOCK PRODUCTS Dairy Products	•				
1 2 3 4 5 6	Dairy cows on farms reporting dairy productsnumber. Dairy cows on farms reporting mlik producednumber. Milk—Produced	7,859,857		2,023,320	14,952 12,033 4,450,440 8,671,442 20,498 9,179	6, 411 4, 974 1, 386, 097 98, 988 494 256
7 8 9 10	Butter—Produced. pounds Sold. pounds Cheese—Produced. pounds Sold. pounds	1,024,945 700 200		281, 315 400 200	550, 512 447, 018 300	558,535 290,612
11 12	Value of dairy products, excluding home use of milk and creamdollars Receipts from sale of dairy products	1,089,497 966,173		184,753 148,979	752, 144 723, 981	152,600 93,213
13 14 15 16 17 18	Poultry—Raised	1,084,620		000, 949	348, 496 209, 406 713, 627 504, 405 378, 579 243, 963	730, 027 233, 620 2, 291, 952 1, 889, 199 857, 448 534, 608
19 20 21	Honey produced pounds. Wax produced pounds. Value of honey and wax produced dollars.	62, 777 2, 756 8, 235		.11 1.720 1	5,399 048 1,144	41,864 388 4,996
22 23 24	Wool, fleeces shornnumber Mohair and goat hair, fleeces shornnumber Value of wool and mohair produceddollars	1,976		-	455 732	360 70 567
25 26 27 28 29	DOMESTIC ANIMALS SOLD OR SLAUGHTERED Calves—Sold or slaughtered	7,621 1,765 48,507 1,405		1,456 433 16,233 524	9, 882 4, 826 673 11, 923 439	3, 816 1, 339 659 20, 411 442
30 31	Receipts from sale of animals. dollars. Value of animals slaughtered dollars.	768, 034 570, 575		190, 613 182, 926	401, 986 100, 011	175,435 287.638

TABLE 4.—VALUE OF ALL CROPS AND CLASSES THEREOF, AND ACREAGE AND PRODUCTION OF PRINCIPAL CROPS, BY COUNTIES: 1909.

	THE STATE.	Kent.	New Castle,	Sussex.
	THE STATE.	ANDIIU.	TION OBSER.	.XBEEDG
VALUE OF ALL CROPS				
Total dollars. Cereals dollars	9,121,809	2,788,787 1,595,616	2,728,260 1,543,163	3,604 1,553
Other grains and seeds. dollars	57,296	1,595,616 11,928	565	44
Hay and forage dollars dollars dollars dollars	1,174,473 1,832,699	306, 493 573, 433	585,173 359,771	282) 899.
Fruits and nuts dollars. All other crops. dollars	1,832,699 890,436	573, 433 231, 803	100,915	557
_	474,576	69, 514	138, 673	266
SELECTED CROPS (acres and quantity).	200 000	****		***
Total acres bushels.		103,828 2,244,619	78,213 1,934,034	127 2,469
Cornacres bushels.	. 188,755 4,839,548	56,049 1,597,835	32,062 1,059,981	100 2, 181
Oats	4,226 [780 9, 533	2,768 80,071	8
Wheatacres	111,215	45, 813	43, 142	22
Buckwheat. bushels. acres	1,643,572	622, 975 561	789,389	2 81
bushels. agres agres	. 53,903	7, 521	146	46
bushels.	1,017 11,423	675 6,745	2,977	1
Other grains: Dry peasacres	. 1,615	404		1
Dry edible beans bushels. acres	12,521	2,291 26	4 21	10
hushels.	648	350	170	
Total acres	80,669	28,362	31,254	21
All tame or cultivated grasses	. 103,575 64,825	29,857 18,595	42,575 30,126	31 16
Timothy alonetonsacres	- 84,798	22, 932 3, 750	37, 356 12, 827	24
tons	.] 22,588	4,207	16,800	j
Timothy or clover mixed	91 927 1	8,570 9,415	16,372 19,170	1 2
Clover alone acres	- 18,240	5,586	435	12
Alfalfa	- 205	8, 188 132	655 43	18
Millet or Hungarian grasstonsacres	. 580	372 99	142 187	
Other tame or cultivated grasses	. 1,081	129	- 288	
tons		458 621	. 262 301	
Wild, salt, or prairie grassesaeres	10,397	7,880	507	2
Grains out green tons	8,740 4,566	4,699 1,610	968 231	2
Coarse foragetons	5,690	1,768 277	704 378	3
Special crops: tons	4,209	458	3,409	
Potatoesacres		1,313	2,341	6
Sweet potatoes and yamsbushelsbushels.	5,229	138, 255 1, 834	183, 444 44	558 3
All other vegetablesbushels	1 100 110	238, 023 8, 151	5, 159 3, 627	490 11
FRUITS AND NUTS				
Orchard fruits: trees. trees.	2, 102, 313	1,126,565	161,330	814
Applesbushols.trees	. 309,274	155,659	111,453	42
hyahala	. 183,094	182, 615 77, 082	54, 200 67, 832	192 38
Peaches and nectarines		596,069 7,007	58, 175 7, 815	523 1
Pearstrees	. 449,692	320,501	42,096	87
Plums and prunestrees	. 27,115	70,170 17,801	33, 875 2, 333	(
Cherries bushels trees		267 8,308	290 4,091	8
Quincesbushels. trees		480	1,990	•
bushels.	.1 806 11	1,157 653	424 147	
Grapes	260,963	189,287	62,074	9
Tropical fruits: pounds.		1,563,228	304,961	70
Tropical truts: Totaltrees	32 32	1 1	17 17.	
Small faults. pounds.	. 125]].	T	85	
Total.	8, 687	1,172	80	7
Strawberries. quarts. acres.	14, 425, 209	2,027,252	161,962	12,23
Raspberries and loganberries quarts acres.	- 12,730,265	1, 428, 497	147,038	11, 15
Blackberries and dewberries	. 275, 871	180, 789	5,446	89
anarte	1 402 077	272 406,846	6,481	990
	1,964	1,166	194	
Nutstrees	39, 142	13, 298	12,049	18
Nuts] ' [······································	
nutstreespounds. Table 5.—SELECTED FARM EXPENSES AND RECH	EIPTS, BY COU	UNTIES: 19	009.	
Nutstreespounds. TABLE 5.—SELECTED FARM EXPENSES AND RECH	EIPTS, BY COL		ī	
Nutstreespounds. TABLE 5.—SELECTED FARM EXPENSES AND RECH	EIPTS, BY COL	1,958 368,212	1,667 527,588	361 361
Nuts	EIPTS, BY COUNTY 1, 257, 108 355, 273 9, 023	1,958 368,212 96,433 2,478	1,667 527,588	36
Nutstreespounds. TABLE 5.—SELECTED FARM EXPENSES AND RECI	EIPTS, BY COUNTY 1, 257, 108 355, 273 9, 023	1,958 368,212 96,433	ī	361 36 36 403

TABLE 6.—NUMBER AND VALUE OF DOMESTIC ANIMALS NOT ON FARMS, BY COUNTIES: APRIL 15, 1910.

		THE STATE.	Kent.	New Castle.	Sussex.
1 2	Inclosures reporting domestic animals	4,462 1,213,301	1,131 195,471	1,739 769,933	1,592 247,897
3 4 5	Cattle: Total number Value	1,172 43,647 947	259 8,839 202	482 20,872 381	431 13,936 364
6 7 8	Horses: Total number. Value. Number of mature horses. dollars.	7,219 1,092,074 7,187	1,449 174,395 1,431	4,174 722,860 4,128	1,596 194,819 1,578
9 10 11	Mules and asses and burros: Total number Value	357 51,975 334	5,685 40	142 21,490 141	171 24,800 153
12 13	Swine: Total number. Value. Sheep and goats:	25,365	1,046 6,453	652 4,602	2,031 14,810
14 15	Total numberdollarsdollars	54 240	22 99	24 109	8 32



DISTRICT OF COLUMBIA.

FARMS AND FARM PROPERTY.

The District of Columbia ranks forty-third in population and forty-ninth in land area among the states and territories of continental United States. It lies mainly within the Coastal Plain, but includes along the northwestern border a few square miles of the Piedmont Plateau. Being coextensive with the city of Washington the larger part of the District is built up, but in outlying sections, especially to the east, a few thousand acres of land are used for farming purposes.

Because of the predominantly urban character of the District much of the farm land has its chief value as potential residence property, and for this reason the changes from census to census in the agricultural statistics are more or less accidental and lacking significance from the agricultural standpoint.

Progress during the decade 1900 to 1910.—The following table summarizes for the District the more significant facts relating to population and land area, the number, value, and acreage of farms, and the value of all other farm property in 1910 and 1900:

AND THE COURSE OF THE COURSE	1910	1900	· INCREASE) _* 1
NUMBER, AREA, AND VALUE OF FARMS.	(April 15)	(June 1)	Amount.	Per cent.
Population. Number of all farms. Approximate land area of the District	331, 069 217 38, 400 6, 063 5, 133 27. 9	278, 718 269 38, 400 8, 489 5, 934 31. 6	52,351 -52 -2,426 -801 -3.7	18.8 -19.3 -28.6 -13.5 -11.7
Value of farm property: Total	\$8, 476, 533	\$11, 535, 376	\$3, 058, 843	-26.5
Land Buildings. Implements and machinery Domestic animals, poultry, and bees	7, 193, 950 1, 087, 393 92, 350 152, 840	9,700,230 1,573,760 136,060 125,326	-2, 506, 280 -536, 367 -43, 710 27, 514	-25.8 -34.1 -32.1 22.0
Average value of all property per farm	\$39, 062 \$1, 186. 53	\$42,882 \$1,142.68	-\$3, 820 \$43, 85	-8.9 3.8

¹ A minus sign (—) denotes decrease.

Between 1900 and 1910 there was a decrease of 52, or 19.3 per cent, in the number of farms in the District of Columbia. During the same period the total farm acreage and the improved acreage both decreased; the former by 28.6 per cent, the latter by 13.5 per cent.

The total value of farm property, which includes that of land, buildings, implements and machinery, and live stock (domestic animals, poultry, and bees), was \$8,477,000, which, compared with the value in 1900, indicates a decrease of 26.5 per cent.

The average value of a farm, including its equipment, is \$39,062, a decrease of 8.9 per cent since 1900. During the last decade the average value of land per acre increased by \$43.85, or 3.8 per cent.

Population, number of farms, and farm acreage: 1850 to 1910.—The table following presents, for the District as a whole for each census from 1850 to 1910, inclusive, a statement of the total population, the number of farms, and the acreage of farm land and of improved land in farms. It also gives the percentage of the land area in farms, the percentage of farm land improved, and the percentage of increase during each decade in the number of farms and in the land in farms.

	Popula- tion.	farms,		LAN	D IN FAI		Per	
CENSUS			Per	All land,		Im-	Per cent of land	cent of farm
YEAR.		Num- ber.	cent of in- orease.1	Acres.	Per cent of in- crease.	proved land (acres).	area in farms,	land im- prov- ed.
1910 1900 1890 1880 1870 1860	331, 069 278, 718 230, 392 177, 624 131, 700 75, 080 51, 687	217 269 382 435 209 238 267	-19.3 -29.6 -12.2 108.1 -12.2 -10.9	6, 063 8, 480 11, 745 18, 146 11, 677 84, 268 27, 454	-28.6 -27.7 -35.3 -55.4 -65.9 24.8	5, 183 5, 934 9, 898 12, 632 8, 266 17, 474 16, 267	15.8 22.1 31.6 48.9 31.5 92.3 74.0	84.7 69.9 84.3 69.6 70.8 51.0 59.3

¹ A minus sign (—) denotes decrease.

In the 60 years since 1850 the population of the District has increased from 51,687 to 331,069, or nearly sixfold. During the same time there has been a considerable fluctuation in the number of farms reported. It is now much smaller than in 1880 and smaller than any other year shown in the table except 1870.

The land surface of the District of Columbia is approximately 38,400 acres, and of this area, 6,063 acres, or 15.8 per cent, are included in farms. Of the farm acreage, 5,133 acres, or 84.7 per cent, are reported as

improved land, representing 13.4 per cent of the total land area of the District. The preceding table shows a smaller amount of land in farms in 1910 than at previous censuses, and less than one-fifth as much as in 1860.

Values of farm property: 1850 to 1910.—The agricultural changes in the District since 1850, as reflected in the values of the several classes of farm property, are shown in the table which follows:

			FAR	м рвор	ERTY.			
CENSUS YEAR,	Total	•	Land s buildin		Impler and mac		Domestic animals, poultry, and bees.	
	Value.	Per cent of in- crease,1	Value.	Per cent of in- crease.	Value.	Per cent of in- crease.1	Value.	Per cent of in- crease.1
1910 1900 1890 1880 1870 2 1860	\$8, 476, 533 11, 535, 376 6, 680, 000 3, 792, 501 3, 163, 677 3, 153, 315 1, 842, 323	-26.5 72.7 76.1 19.9 0.3 71.2	\$8, 231, 343 11, 273, 990 6, 471, 120 3, 632, 403 3, 040, 184 2, 989, 267 1, 730, 460	-27.0 74.2 78.1 19.5 1.7 72.7	\$92, 350 136, 060 79, 760 36, 798 31, 560 54, 408 40, 220	-32.1 70.6 116.8 16.6 -42.0 35.3	\$152, 840 125, 326 129, 120 123, 300 91, 933 109, 640 71, 643	22. 0 -2. 9 4. 7 34. 1 -16. 2 53. 0

¹ A minus sign (—) denotes decrease.
² Computed gold values, being 80 per cent of the currency values reported.

The total wealth in the form of farm property is, as noted above, \$8,477,000, of which 97.1 per cent is represented by land and buildings, 1.8 per cent by live stock, and 1.1 per cent by implements and machinery. Prior to the last decade the total value of farm property had increased to a greater or less extent during each 10 years.

Average acreage and values per farm: 1850 to 1910.— The changes which have taken place during the past 60 years in the average acreage of District farms and in the average values of the various classes of farm property, as well as in the average value per acre of land and buildings, are shown in the following table:

		AVE	AVERAGE VALUE PER FARM,1						
CENSUS YEAR.	Average acres per farm.	All farm property.	Land and buildings.	Imple- ments and ma- chinery.	Domestic animals, poultry, and bees.	Average value of land and buildings per acre.			
1910	27. 9 31. 6 30. 7 41. 7 55. 9 144. 0 102. 8	\$39,062 42,882 17,487 8,718 15,137 13,249 6,900	\$37,932 41,911 16,940 8,350 14,546 12,560 6,481	\$426 506 209 85 151 229 151	\$704 466 338 283 440 461 268	\$1,357.64 1,328.07 550.97 200.18 260.36 87,24 63.03			

1 Averages are based on "all farms" in the District.
2 Computed gold values, being 80 per cent of the currency values reported.

The average size of farms in the District increased between 1850 and 1860 from 102.8 acres to 144 acres. Since 1860 the average size has, with the exception of a slight increase between 1890 and 1900, decreased continuously, falling from 144 acres in 1860 to 27.9 acres in 1910.

The average value of a farm in the District of Columbia in 1910 was \$39,062, or 8.9 per cent less than in 1900. Of the value in 1910, \$37,932 represents the value of land and buildings, \$704 the value of live stock, and \$426 the value of implements and machinery. These averages have shown great variations during the period covered by the table.

Farm tenure: 1880 to 1910.—The following table shows the distribution of the farms of the District according to character of tenure at each census since 1880:

TENURE.	1910	1900	1890	1880
Number of all farms.	217	269	382	435
Farms operated by owners and managers Farms consisting of owned land only Farms consisting of owned and hired land Farms operated by managers	183	153	242	269
	111	123	(1)	(1)
	7	10	(1)	(1)
	15	20	(1)	(1)
Farms operated by tenants	84	116	140	166
	2	3	9	16
	82	113	131	150
Per cent of farms operated by— Owners and managers Tenants. Share. Cash	61. 3	56. 9	68.4	61.8
	38. 7	43. 1	36.6	38.2
	0. 9	1. 1	2.4	3.7
	37. 8	42. 0	34.3	34.5

1 Not reported separately.

The number of all farms, and therefore of all farm operators, is 217. Of the operators, 118 are classified as owners, 15 as managers, and 84 as tenants.

The following table shows the total and improved acreage and the value of land and buildings for farms operated by owners (including part owners), managers, and tenants, respectively:

FARMS OPERATED	ALL LA FARMS (ND IN (ACRES).	IN F	ED LAND ARMS LES).	VALUE OF LAND AND BUILDINGS.		
_,	1910	1900	1910	1900	1910	1900	
Total Owners Managers Tenants	6,063 2,429 1,456 2,178	8,489 2,808 2,005 3,676	5, 133 2, 127 1, 263 1, 743	5,934 2,280 1,259 2,395	\$8,231,343 2,279,800 3,240,843 2,710,700	\$11,273,990 2,988,980 4,938,200 3,346,810	

The following table shows the per cent distribution by tenure groups of the items in the preceding table, and also of the number of farms:

			PER	CENT	OF TOTA	L.		
FARMS OPERATED BY—	Number of farms.		All in fa	land rms.	Improved land in farms.		Value of land and buildings.	
	1910	1900	1910	1900	1910	1900	1910	1900
Total. Owners. Managers Tenants.	100. 0 54. 4 6. 9 38. 7	100.0 49.4 7.4 43.1	100. 0 40. 1 24. 0 35. 9	100. 0 33. 1 23. 6 43. 3	100, 0 41, 4 24, 6 34, 0	100. 0 38. 4 21. 2 40. 4	100. 0 27. 7 39. 4 32. 9	100. 0 26. 5 43. 8 29. 7

It will be seen that, in 1910, 40.1 per cent of all land in farms was in farms operated by their owners (including part owners), 24 per cent in farms operated by managers, and 35.9 per cent in farms operated by tenants, the percentage for owners and for managers being higher and that for tenants lower than in 1900.

The average acreage per farm, the per cent of farm land improved, and the average value of land and buildings per farm and per acre are shown in the next table.

	AVER	AGE A		PER	PER OF F	CENT ARM	AVERA		UE OF LA	AND AND
FARMS OPERATED BY—	All le	and.	Improved land.		LAND IMPROVED		Per farm.		Per acre.	
	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900
Total Owners Managers Tenants	27. 9 20. 6 97. 1 25. 9	21. 1 100. 3	18.0	17. 1 63. 0	87. 6 86. 7	81. 2 62. 8	19,320 216,056	22,474 246,910	938, 58 2, 225, 85	\$1,328.07 1,064.45 2,462.94 910.45

Farm mortgages: 1890 to 1910.—The following table relates to farms operated by persons owning all or part of the land, and shows for 1910 (1) the number of such farms reported as free from mortgage; (2) the number reported as mortgaged; and (3) the number for which no mortgage reports were secured. Comparable items are included for 1900 and 1890.

	OWNED	FARMS. ¹	OWNED		OWNED FARM HOMES.		
CLASS.	19:	to	190	00	1890		
	Num- ber.	Per cent.2	Num- ber.	Per cent.2	Num- ber.	Per cent.	
Total Free from mortgage Mortgaged Unknown	118 93 21 4	81.6 18.4	144 116 27 1	81,1 18.9	242 232 10	95.9 4.1	

1 Includes all farms owned in whole or in part by the operator.
2 Per cent of combined total of "free from mortgage" and "mortgaged."

In 1910 the total number of farms owned in whole or in part by the operators was 118. Of this number, 93 were reported as free from mortgage and 21 as mortgaged, and for 4 no report relative to mortgage indebtedness was obtained.

Of the 21 mortgaged farms in the District, complete reports relative to mortgages were returned from 20, and these only are included under 1910 in the next table.

The average debt of mortgaged farms has increased in 20 years from \$1,730 to \$2,805, or 62.1 per cent, and the average value of such farms from \$5,278 to \$11,670, or 121.1 per cent.

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	OWNED FARM H MORTGA	OMES	increase.		
	1910 ¹	1890 2	Amount.	Per cent.	
Number Value—Land and buildings Amount of mortgage debt. Per cent of debt to value. Average value per farm Average debt por farm Average equity per farm	\$233,400 \$56,100 \$4.0 \$11,670 \$2,805 \$8,865	10 \$52,775 \$17,300 32.8 \$5,278 \$1,730 \$3,548	\$6,392 \$1,075 \$5,317		

¹ Includes only farms consisting wholly of owned land and reporting value of farm and amount of debt,
² Includes all owned farm homes, estimates being made of value of farms and amount of debt for all defective reports.

Color and nativity of farmers: 1910.—Prior to the Thirteenth Census no attempt was made to secure information on the farm schedules concerning the nativity of farmers. The table which follows shows the color and nativity of farm operators by character of tenure for 1910.

	FARM OPERATORS.									
COLOR AND NATIVITY.	To	tal.				Per cent of total.				
OCCUPANTAL NATIONAL	Num- ber.	Per cent distri- bution.		Ten- ants.		Own- ers.	Ten- ants.	Man- agers.		
Total. Native white Foreign-born white. Negro and other non-white.	217 108 37 12	100, 0 77, 4 17, 1 5, 5	118 82 28 8	84 75 6 3	15 11 3	54.4 48.8 75.7 66.7	38.7 44.0 16.2 25.0	6.9 6.5 8.1 8.3		

Of the 217 farmers in the District in 1910, 168 were native whites, 37 were foreign-born whites, and 12 were colored.

Of the 37 foreign-born white farmers, 21 were born in Germany.

DOMESTIC ANIMALS, POULTRY, AND BEES.

Domestic animals on farms: 1910.—The census of 1910 was taken as of April 15, and that of 1900 as of June 1. Since a great many domestic animals are born during the six weeks between April 15 and June 1, 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 closely comparable, and the same is true in somewhat less degree of the values. For this reason the figures for 1900 are not presented in this bulletin, but in the general reports of the census the figures for the several states will be presented and the extent to which their comparability is affected by the change in the date of enumeration will be discussed.

During the decade domestic animals, poultry, and bees combined increased in value \$27,500, or 22 per cent. Cattle show the largest actual increase in value,

amounting to \$20,800, or 38.2 per cent, while horses show a decrease of \$2,336, or 4.1 per cent.

The following table summarizes the statistics of domestic animals on farms for the District, recorded as of April 15, 1910. Cattle are divided into age and sex groups, while horses, mules, and swine are presented by age groups only.

	FARMS R	EPORTING.	ANIMALS.			
AGE AND SEX GROUP.	Number.	Percent of all farms.	Number.	Value.	Average value.	
Total	204	94.0		\$ 145, 573	********	
Cattle Dairy cows (cows and heifers	109	50. 2	982	75, 805	\$76.69	
kept for milk, born before Jan. 1, 1909). Heifers born in 1909. Calves born after Jan. 1, 1910. Steers and bulls born in 1909. Steers and bulls born before	108 10 16 7	49.8 . 4.6 7.4 3.2	857 50 52 7	68, 535 1, 742 1, 306 187	79. 97 34. 84 26. 27 26. 71	
Jan. 1, 1909	11	5. 1	16	3,475	217. 19	
Horses Mares, stallions, and geldings	195	89. 9	564	55, 026	97. 56	
born before Jan. 1, 1909 Colts born after Jan. 1, 1910	195 1	89. 9 0. 5	563 1	54,970 50	97. 64 56. 00	
Mules. Mules born before Jan. 1, 1909	17 17	7.8 7.8	53 53	5, 860 5, 860	110. 57 110. 57	
Swine Hogs and pigs born before Jan. 1, 1910. Pigs born after Jan. 1, 1910.	50 28 27	23. 0 12. 9 12. 4	665 435 230	9,382 7,831 1,551	14.11 18.00 6.74	

Of the total number of farms enumerated, 204, or 94 per cent, report domestic animals of some kind, the number without any domestic animals being only 13.

Poultry on farms: 1910 and 1900.—The following table gives the numbers of the various kinds of poultry reported in 1910 and 1900, together with their value and the number of farms reporting each kind in 1910:

		1910 (April 15)						
RIND.	Farms re	porting.			***************************************			
	Number.	Per cent of all farms.	Number of fowls.	Value.	Number of fowls.			
Total. Chickens. Turkeys. Ducks. Geese Guinea fowls. Pigeons.	159 159 6 17 1 7 2	73. 3 73. 3 2. 8 7. 8 0. 5 3. 2 0. 9	8,849 7,405 29 127 40 28 720	\$8,477 5,820 52 90 40 21 454	8, 293 8, 004 46 227 10 (1) (2)			

1 Included with chickens.

2 Not reported.

The number of fowls on District of Columbia farms in 1910 was practically the same as in 1900, the returns showing an increase of only 56, or 0.7 per cent. The value of poultry, however, more than doubled, increasing \$3,369, or 108.4 per cent.

Bees on farms: 1910 and 1900.—The number of farms reporting bees has increased from 7 in 1900 to 13 in 1910. The number of colonies of bees increased from 59 to 151.

Domestic animals not on farms: 1910.—The following table presents statistics of domestic animals not on farms:

	Number of inclos-	ARIMADS,				
KIND.	ures re- porting.	Number.	Value.	Average Volue		
Personal representation of the product of the control of the contr		demonstrative and spatient to 100 or 100	dehalbadooris bironsii ir jir j	t e sa		
Total All cattle. Dalry cows. Horses. Mules. Asses and burros. Swino. Sheop. Gonts.	3, 195 322 307 2, 868 208 5 60 1 46	629 513 11,604 1,164 6 170 1	\$1.780,985 27,632 25,400 1,589,340 167,554 485 1,485 567	144 27 184 186 184 184 184 184 184 184 184 184 184 184		

As would be expected, horses are the most important class of domestic animals not on farms, both in number and in value, while mules ranked next in importance.

Domestic animals on farms and not on farms: 1910.— The following table gives the total number and value of domestic animals, distinguishing those on farms from those not on farms:

	I Marketine of a	DOMENTIC ANIMAIS.									
	T T	'otal.	il	farma.	Not on larms.						
	Num- ber.	Value.	Num- ber.	Value.	Num- ber.	Value.					
Total All cattle Dairy cows Horses Mulos Asses and burros Swine Sheep Goats	1,011 1,370 12,168 1,207 0	\$1,932,558 102,837 93,935 1,644,369 173,413 485 10,867 3 587	982 857 504 53	\$145, 573 75, 305 68, 525 55, 626 6, 560 9, 282	629 513 11,004 1,154 6 170 1	11,784,986 27,152 23,40 1,500,340 167,553 1,485 3					

The total value of all domestic animals in the District in 1910 was \$1,933,000, of which the value of animals not on farms constituted 92.5 per cent.

LIVE STOCK PRODUCTS.

The returns for live stock products obtained at the census of 1910, like those for crops, relate to the activities of the calendar year 1909. It is impossible to give a total representing the annual production of live stock products for the reason that, as shown elsewhere, the total value of products from the business of raising domestic animals for use, sale, or slaughter can not be calculated from the census returns. Even if this value could be ascertained and were added to the value of the crops the sum would not correctly represent the total value of farm products, because, as already more fully explained, duplication would result from the fact that part of the crops are fed to the live stock.

Dairy products: 1909 and 1899.—The number of farms reporting dairy cows on April 15, 1910, was 108, but only 102 reported dairy products in 1909. Dairy products in general are somewhat less accurately reported than the principal crops. This is particularly the case as regards the quantity of milk produced. The number of farms which made any report of milk produced during 1909 was 100, and the number of dairy cows on such farms on April 15, 1910, was 779. The amount of milk reported was 555,000 gallons; assuming that there were the same number of cows in 1909 as in 1910, this would represent an average of 713 gallons per cow. In considering this average, however, it should be borne in mind that the quantity of milk reported is probably deficient and that the distinction between dairy and other cows is not always strictly observed in the census

The following table shows the principal statistics relative to dairy products in 1909, with certain comparative statistics for 1899:

		ims rting.	Number		E.	
	Num- ber.	Per cent quantity farms.		Unit.	Total.	Average per unit.
Dairy cows on farms April 15, 1910.	108	49.8	857	Head.		
On farms reporting dairy products in 1909	102	47.0	834	Head.		
On farms reporting milk produced in 1909 Specified dairy products,	100	46, 1	779	Head.		
1909: Milk reported. Buttor made. Milk sold. Butter sold.	28 35 6	12.9 16.1 2.8	555,342 6,155 339,345 1,800	Gals Lbs Gals Lbs	\$1,754 115,581 535	\$0.28 0.34 0.30
Total receipts from sales,					116,116	
Specified dairy products, 1899: Butter made Butter sold	18	6.7	3,478 803	Lbs Lbs	201	0.25

By reason of the incompleteness of the returns for milk produced, the Census Bureau has made no attempt to determine the total value of dairy products for 1909. For convenience a partial total has been presented comprising the reported value of milk sold and the reported value of butter made, whether for home consumption or for sale. The total thus obtained for 1909 is \$117,000, which may be defined as the total value of dairy products exclusive of milk and cream used on the farm producing.

About three-fifths of the milk reported as produced by District of Columbia farmers in 1909 was sold as such. The butter made on farms in 1909 was valued only at \$1,754.

Comparisons are made between 1909 and 1899 for but few of the census items relating to dairy products, for the reason that in 1899 estimates were made for farms with incomplete reports, which was not done at the census of 1910. The figures for milk produced and milk sold are particularly affected, but those for butter are approximately comparable. The table shows an increase between 1899 and 1909 in the amount of butter made.

Poultry products: 1909 and 1899.—The statement below gives data relative to the production and sale of eggs and poultry:

•	Num- ber of	Num- ber of	PROD	UCT,
	farms report- ing.	fowls on hand.	Quan- tity.	Value.
Fowls on farms April 15, 1910 On farms reporting eggs produced in 1909 On other farms.	159 150 9	8,349 8,170 179		
Eggs produced, as reported, 1909	152		Dozens. 50,689 51,945	\$14,908 15,277
1899 Increase, 1899 to 1909 Per cent of increase Eggs sold, as reported, 1909			42,580 9,365 22.0 16,660	6, 492 8, 785 135. 3 5, 709
Fowls on farms April 15, 1910: On farms reporting poultry raised in 1909 On other farms.		7,932 417		
Poultry raised, as reported, 1909 Total poultry raised (partly estimated):	145		No. of fowls. 14,834	8,647
1909			15,614	9,102 5,480 3,622
Fowls sold, as reported, 1909	27		5,152	86.1 2,341

The total number of fowls on District of Columbia farms on April 15, 1910, was 8,349. The production of eggs actually reported for the year 1909 was 50,689 dozens, valued at \$14,908. According to the Twelfth Census reports, the production of eggs in 1899 was 42,580 dozens, the value being \$6,492. The latter figures, however, are somewhat in excess of the actual returns at that census, because they include estimates made to cover those cases where the schedules reported fowls on hand without reporting the production of eggs. In order to make the returns for 1909 comparable with those published for 1899 similar estimates have been made, the basis of the estimate being the assumption that the entire production of eggs bore the same relation to the entire number of fowls as the production of eggs on farms reporting both fowls and eggs bore to the number of fowls on such farms. The total production of eggs in 1909, including these estimates, was 51,945 dozens, valued at \$15,277. The total production of poultry in 1909, including estimates made on the same basis as for eggs, was 15,614 fowls, valued at \$9,102.

Honey, 1909.—The reported production of honey in 1909 was 3,657 pounds, valued at \$477.

Sale or slaughter of domestic animals on farms: 1909 and 1899.—The total value of domestic animals sold during 1909 was \$16,519 and that of animals slaughtered on farms \$7,937, making an aggregate of \$24,456.

The following statement presents statistics relating to the sale or slaughter of domestic animals by District of Columbia farmers during the year 1909, with certain items for 1899.

		RMS RTING.	Number	VALUE.		
	Num- ber.	Per cent of all farms.	of animals.	Total.	Average.	
1909—All domestic animals: Sold. Slaughtered. Calves: Sold. Slaughtered.		30, 0	416	\$16,519 7,937 3,196 248	\$7. 68 8. 80	
Other cattle: Sold. Slaughtered. Horses:	37 2	17. 1 0. 9	344 8	11,722 270	34. 08 33. 75	
Sold	4 3	1,8 1.4	9 8	839 569	93, 22 71, 13	
Sold Slaughtered	5 39	2.3 18.0	17 383	193 7,419	11. 35 19. 37	
1899—All domestic animals: Sold ¹ Slaughtered.				475 2,440	•••••	

¹ Schedules called for receipts from sales of animals raised on the farms reporting

CROPS.

Summary: 1909 and 1899.—The following table summarizes the census data relative to all of the farm crops of 1909 and 1899. It includes not only general farm crops, but also flowers and plants, nursery products and forest products of farms. In comparing one year with the other it should be borne in mind that acreage is on the whole a better index of the general changes or tendencies of agriculture than either the quantity or the value of the crops, since variations in

quantity may be due largely to temporarily favorable or unfavorable climatic conditions, and variations in the value of the crops are largely affected by changes in prices. (See also discussion of "Total value of farm products.")

The total value of crops in 1909 was \$546,000. Of this amount, 99.2 per cent was contributed by crops for which the acreage as well as the value was reported, the remainder consisting of the value of by-products (straw, garden and grass seeds, etc.) derived from the same land as other crops reported, or of orchard fruits, nuts, forest products, and the like. The combined acreage of crops for which acreage was reported was 2,982, representing 58.1 per cent of the total improved land in farms (5,133 acres).

The general character of agriculture in the District of Columbia is indicated by the fact that considerably more than one-half (55.6 per cent) of the total value of crops in 1909 was contributed by flowers and plants and nursery products, and somewhat more than one-third (36.7 per cent) by potatoes and other vegetables. The remainder, representing 7.7 per cent of the total, consisted mostly of hay and forage and of cereals.

The total value of crops in 1909 was 18.3 per cent less than in 1899, and the acreage of crops for which acreage was reported showed a decrease of 12.2 per cent.

	ACRES.			PER CENT OF		VALUE OF PRODUCTS.																	
	1909 1899	Increase,1		IMPROVED LAND.		LAND.		LAND.		LAND.		LAND.		LAND.		LAND.		1909	1890	Incres	1.08	Per ed	
			Amount.	Per cent.	1909	1899			Amount.	Por cont.	1909	1899											
All crops							\$546,479	\$669,209	-\$122,730	-18.3	100.0	100.0											
Crops with acreage reports. Cereals. Other grains and seeds. Hay and forage. Potatoes and sweet potatoes and yams. Other vegetables. Flowers and plants and nursery products. Small fruits.	452 962	3,396 543 1,228 339 985 218 82	-414 -91 -1 -266 13 -21 22 -70	-12.2 -16.8 -21.7 3.8 -2.1 10.1 (3)		57. 2 9. 2 (2) 20. 7 5. 7 16. 6 3. 7 1. 4	541, 996 9, 935 25, 633 33, 518 167, 376 303, 650 1, 875	667, 834 7, 030 38 22, 772 22, 624 87, 616 519, 800 7, 855	-125, 838 2, 896 -38 2, 861 10, 894 79, 760 -210, 231 -5, 980	-18.8 41.1 12.6 48.2 01.0 -41.6 -76.1	99.2 1.8 4.7 0.1 30.0 55.6 0.3	99. 1. (2) 3. 3. 13. 77.											
Orops with no acreage reports. Fruits Forests products of farms.	**********						4, 483 4, 245 238	1,375 1,325 50	3, 108 2, 920 188	226.0 220.4 (3)	0.8 0.8 (2)	0, 0, (*)											

¹ A minus sign (—) denotes decrease.

General farm crops, minor grains and seeds, and sundry minor crops: 1879 to 1909.—The table in the next column presents statistics for 1909 regarding cereals, hay and forage crops, potatoes, and sweet potatoes and vams.

The leading crops covered by the table, in the order of their importance as judged by value, are hay and forage, \$25,633; potatoes, \$20,231; sweet potatoes and yams, \$13,287; and corn, \$9,635. It should be noted, however, that vegetables (other than potatoes and sweet potatoes and yams) and flowers and plants, the statistics for which are reported in another table, are very much more important than any of the crops shown in this table.

CROP.	Farms	Acres	QUANT	ITY.		
Chor.	report- ing.	har- vosted.	Amount.	Unit.	Value.	
Cercals, total Corn Oats Rye.	08 2 2 2	452 426 13 13	13,232 12,667 375 190	Bu Bu Bu	\$9,935 9,635 165 135	
Hay and forage, total Timothy alone Timothy and clover mixed Clover alone Allalfa Millet or Hungarian grass Other tame or cultivated grasses. Grains cut green Coarse forage	36 9 1 1 1 83 20 11	962 190 158 10 28 4 160 116 296	2,148 287 338 15 108 4 238 405 603	Tons. Tons. Tons. Tons. Tons. Tons. Tons.	25, 633 5, 680 5, 472 300 1, 620 6, 135 3, 446 3, 920	
Potatoes Sweet potatoes and yams	91 53	226 126	32,028 19,602	Bu	20, 231 13, 287	

² Less than one-tenth of 1 per cent.

Per cent not calculated when base is less than 100.

Vegetables, flowers and plants, and nursery products: 1909 and 1899.—The table which follows shows details with regard to vegetables (not including potatoes and sweet potatoes and yams, which appear elsewhere), and also with regard to flowers and plants and nursery products:

	FAR REPOR 19	TING,	ACR	es.	VALUE OF PRODUCTS,		
GROP.	Num- ber.	Per cent of all farms.	1909 1899		1909	1899	
Vegetables, other than pota- toes and sweet potatoes and yams, total Farms reporting a prod- uct of \$500 or over	1 175 67 108	80. 6 30. 9 49. 8	964 802 102	985	\$167,376 154,720 12,647	\$87,616	
Flowers and plants, total Farms reporting a product of \$250 or over All other farms	43 40 3	19.8 18.4 1.4	240	217	303,509 302,847 662	519,565	
Nursery products	1	0.5	(2)	1	150	325	

¹ Does not include 1 farm which reported a vegetable garden, but gave no information as to products.

² Less than 1 acre.

In 1909 the total acreage of potatoes and other vegetables was 1,316 and their value \$200,894. Excluding (so far as separately reported ') potatoes and sweet potatoes and yams, the acreage of vegetables was 964 and their value \$167,000, the acreage being somewhat less and the value nearly twice as great as in 1899.

The raising of flowers and plants was of considerable importance in the District of Columbia, 240 acres being devoted to it in 1909 and the output being valued at \$304,000. Practically all of the product was raised on farms where this branch of agriculture was carried on as an important business.

Small fruits: 1909 and 1899.—The following table shows data with regard to small fruits on farms:

	Num- ber of	ACR	es.	Quan-	77.)
cnor.	farms report- ing, 1999	1909	1899	tity (quarts), 1909	Value, 1909
Small fruits, total	16 2 2 3 1	12 11 (¹) (¹) (¹) (²)	82 50 10 12 6 1	24,109 18,709 1,700 700 2,000 1,000	\$1,875 1,395 160 60 200 60

¹ Reported in small fractions.

In 1909, 12 acres were devoted in the District of Columbia to the production of small fruits, mostly strawberries. The total production was 24,109 quarts, valued at \$1,875. In 1899 the production was 126,332 quarts, valued at \$7,855.

Orchard fruits, grapes, and tropical fruits: 1909 and 1899.—The following table presents data with regard to orchard fruits, grapes, and tropical fruits.

The acreage devoted to these products was not ascertained. In comparing one year with the other the number of trees or vines of bearing age is on the whole a better index of the general changes or tendencies than the quantity of product, but the data for the censuses of 1910 and 1900 are not closely comparable, and the product is therefore compared, although variations may be due largely to temporarily favorable or unfavorable climatic conditions.

	TREE	S OR	TREE VINES 1		PRODUCTS.			
CROP.	BEARIN	IG AGE,	BEARIN 19	G AGE,	19	1899		
	Farms report- ing.	Num- ber.	Farms report- ing.	Num- ber.	Quan- tity,1	Value.	Quan- tity.	
Orchard fruits, total Apples Peaches and nectarines. Pears Plums and prunes. Cherries Apricots. Quinces	34 8 36 10 25 2 3	3,583 1,654 330 1,045 104 435 5	3 1 2 1 2	74 29 1 32 8 4	3,655 2,952 3 455 10 235	\$3,169 2,162 3 412 24 568	1,002 283 3 468 248	
Grapes	14	5,198	1	200	28,530	1,059	34,300	
Tropical fruits (figs)		60			700	17	650	

¹ Expressed in bushels for orchard fruits and in pounds for grapes and figs.

The total quantity of orchard fruits, mostly apples, produced in 1909 was 3,655 bushels, valued at \$3,169, and in 1899, 1,002 bushels, valued at \$773. The production of grapes in 1909 was 28,530 pounds, valued at \$1,059, and in 1899, 34,300 pounds, valued at \$539.

FARM EXPENSES.

The following table shows the number of farms reporting expenditures for labor, feed, and fertilizer at the census of 1910, as well as the sums expended in 1909 and 1899.

		1909		1890	INCREASE,1		
expense.	Farms re	porting.					
•	Number.	Per cent of all farms.	Amount.	Amount.	Amount.	Per cent.	
Labor Feed Fertilizer	146 183 77	67.3 84.3 35.5	\$238, 833 130, 077 16, 975	\$197,420 (2) 22,600	\$41,413 -5,625	21.0 -24.9	

1 A minus sign (—) denotes decrease. 2 Not reported at the census of 1900.

Of the farmers in the District of Columbia, 146, or 67.3 per cent, hire labor, the total expenditure in wages being \$239,000, or an average of about \$1,636 per farmer hiring. More than one-third (35.5 per cent) of all farmers report the purchase of fertilizer, while 84.3 per cent report expenditure for feed.

TABLES GIVING DATA IN DETAIL.

Tables 1 to 6, which follow, present the more important agricultural data collected at the Thirteenth Census, 1910.

²Less than 1 acre.

¹It is probable that some of the potatoes and sweet potatoes and yams raised in farm gardens were not reported separately by farmers, but were included in their returns for vegetables.

AGRICULTURE—DISTRICT OF COLUMBIA.

TABLE 1.—FARMS AND FARM PROPERTY: APRIL 15, 1910.

[Comparative data for June 1, 1900, in italies.]

		Total.	White,	Colored.			Total.	White.	Colored.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 16	Population Population in 1800. Number of all farms Number of all farms in 1900. Color and nativity of farmers: Native white Poerign-born white Negro and other nonwhite. Number of farms, classified by size: Under 3 acres. 3 to 9 acres. 10 to 19 acres. 20 to 49 acres. 50 to 99 acres. 100 to 174 acres. 175 to 259 acres. 200 to 499 acres. 200 to 499 acres. 500 to 499 acres.	217 209 168 37 12 29 32 61 65 17 10	25 28 59 63 17 10	94,944 87,186 12 17	44 45 46 47 48 49 50 51 52 53 54 55 55	VALUE OF FARM PROPERTY—Con. Average values: All property per farm dollars. Land and buildings per farm dollars. Land per acre. dollars. Land per acre in 1900 dollars. DOMESTIC ANIMALS (farms and ranges) Farms reporting domestic animals. Value of domestic animals dollars. Cattle: Total number. Dairy cows. Other cows. Yearling heliers. Calves. Yearling steers and buils. Other steers and buils.	857 50 52	52	7, 806 7, 450 701.05 897.03 11 2, 370
18 10 20 21 22 23 24 25 26 27 28	1,000 acres and over	38, 400 6, 003 8, 489 5, 133 6, 934 689 241 15, 8 84, 7 27, 9 23, 7			57 58 59 60 61 62 63 64 65 66 67 68	Value dollars Value dollars Horses: Total number Mature horses Yearling colts. Spring colts. Value dollars Mules: Total number. Mature mules. Yearling colts. Spring colts. Spring colts. Value dollars. Asses and burros: Number Value dollars.	75, 305 564 563 1 55, 026 53 53 5, 860	74,650 546 545 1 53,476 52 52 5,710	
29 30 31 32 33 34 35 36 37 38	All farm property dollars. All farm property in 1900 dollars. Per cent increase, 1900–1910 Land dollars. Land in 1900 dollars. Buildings dollars. Buildings dollars. Implements and machinery dollars. Implements, etc., in 1900 dollars. Domestic animals, poultry, and bees, dollars.	8, 476, 533 11, 535, 376 1 26. 5 7, 193, 950 9, 700, 230 1, 037, 393 1, 573, 760 92, 350 136, 060 152, 840	8,382,862 11,250,784 1 25.4 7,127,350 9,428,950 1,014,503 1,557,560 91,395 126,270	93,671 504,592 1 69.2 66,600 276,300 22,800 16,200 955 9,790 3,316	70 71 72 73 74 75 76 77	Swine: Total number Mature logs. Spring pigs. Value Sheep: Total number Rams, ewes, and wethers Spring lambs. Value Goats: Number	665 435 230 9,382	664 434 230 9,367	15
39 40 41 42 43	Domestic animals, etc., in 1900, dollars. Per cent of value of all property in— Land Buildings. Implements and machinery. Domestic animals, poultry, and bees	125,326 125,326 84.9 12.2 1.1 1.8	123,024 85.0 12.1 1.1 1.8	2,302 71.1 24.3 1.0 3.5	80 81 82 83	Valuedollars. POULTRY AND_BEES Number of poultry of all kinds Valuedollars. Number of colonies of bees Valuedollars.	8,349 6,477 151	7,150 5,531 151 790	1,199

¹ Decrease.

TABLE 2.—NUMBER, ACREAGE, AND VALUE OF FARMS CLASSIFIED BY TENURE; COLOR AND NATIVITY OF FARMERS; AND MORTGAGE DEBT: APRIL 15, 1910.

5 6 7 8 9	FARMS OPERATED BY OWNERS Number of farms. Number of farms in 1900 Por cent of all farms in 1900 Land in farms. Improved land in farms. Degree of ownership: Farms consisting of owned land only. Farms consisting of owned and hired land. Color and nativity of owners: Native white. Foreign-born white. FARMS OPERATED BY TENANTS Number of farms. Number of farms. Number of farms in 1900 Per cent of all farms in 1900 Land in farms. Per cent of all farms in 1900 Land in farms. Timproved land in farms. acres. Timproved land and buildings. dollars.	2, 429 2, 127 2, 279, 800 1111 7 82 28 8	110 128 53.7 50.8 2,371 2,069 2,231,400 105 5 	8 66.7 29.4 58 68 48,400 6 2 25.0 68.8 33 33,33,000	20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38	FARMS OPERATED BY TENANTS— Continued. Form of tenancy: Share tenants. Share-cash tenants. Cash tenants. Tenure not specified. Color and nativity of tenants: Native white. Foreign-born white. Negro and other nonwhite FARMS OPERATED BY MANAGERS Number of farms. Number of farms. Anuber of farms. Anuber of land and buildings. Land in farms. Acres. Value of land and buildings. MORTGAGE DEBT REPORTS: For all farms operated by owners: Number with nortgage debt. Number with no mortgage debt. Number with no mortgage dept. For farms consisting of owned land only: Number reporting debt and amount. Value of their land and buildings, dollars. Amount of mortgage debt. dollars. Per cent of value of land and build.	75 6 3 3 15 1,263 1,263 3,240,848 93 21 4 20 233,400 56,100	79 75 6 14 18 1,452 1,259 3,232,843 89 18 3 17 221,400 51,500	3 3 1 4 8,000 4 3 1 1 2,000 4,600
	of that and buildingsdollars	2,710,700	2,677,700	33,000	"	ings	24.0	23.3	38.3

¹ Ne mortgage reports were secured for farms operated by tenants and managers. (See explanation in text.)

TABLE 3.—LIVE STOCK PRODUCTS, AND DOMESTIC ANIMALS SOLD OR SLAUGHTERED ON FARMS: 1909.

		THE DISTRICT.			THE DISTRICT.
123456 78910 111 12 1341516	LIVE STOCK PRODUCTS Dairy Products Dairy cows on farms reporting dairy products	555, 342 339, 345 6, 155 1, 800 117, 835 116, 116	17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	Poultry Products—Continued. Value of poultry and eggs produced	444 352 17 400

TABLE 4.—VALUE OF ALL CROPS AND PRINCIPAL CLASSES THEREOF, AND ACREAGE AND PRODUCTION OF PRINCIPAL CROPS: 1909.

1 2 3 4 4 5 6 7 8 9 10 11 12 13 14 4 15 6 17 18 19 20 21	VALUE OF ALL CROPS Total. dollars Coreals. dollars Hay and forage dollars Vogetables dollars All other crops dollars SELECTED CROPS (acres and quantity) Cereals: Total acres Corn. acres Dushels Oats bushels Oats bushels All tame or cultivated grasses acres Timothy alone acres Timothy and clover mixed acres Clover alone acres Clover alone acres Clover alone acres Cores Coreals: acres Coreals	13, 232 426 12, 607 13 375 962 2, 148 550 990 100 287 158 338 338	40 41 42 43 44 45 46 47 48 49 50 51	SELECTED OROPS (acres and quantity)—Continued. Special crops: Potatoes	32, 025 10, 066 10, 066 3, 58 3, 65 1, 65 2, 95 33 1, 04 45 10 11 23 23 1
22 23 24 25 26 27 28 29 30 31 32	Alfalfa tons acres tons Alfalfa tons acres tons tons tons tons tons tons tons ton	15 28 108 4 4 160 238 116 405 206	53 54 55 56 57 58 50 60	Tropical fruits:	26,53 6 6 70 1 24,10

TABLE 5.—SELECTED FARM EXPENSES AND RECEIPTS: 1909.

=		Total.	White.	Colored.			Total.	White.	Colored.
1 2 3 4	Labor. Farms reporting	212,893 25,940	137 210, 368 25, 290 72	2,525 650	6	Fertilizer Amount expended dollars. Feed Farms reporting Amount expended dollars. Receipts from sale of feedable crops dollars.	130,077	16,500 172 126,327 180	415 11 3,750

TABLE 6.—NUMBER AND VALUE OF DOMESTIC ANIMALS NOT ON FARMS: APRIL 15, 1910.

		THE DISTRICT.			The District.
1 2 3 4 5	Inclosures reporting domestic animals Value of domestic animals		9 10 11 12 13 14 15	Mules and asses and burros: Total number. Value. Swine: Total number Value. Sheep and goats: Total number Value. Godalars. Sheep and goats: dollars. Value. dollars. Value. dollars.	170 1,485