

CENSUS OF IRRIGATION—UNITED STATES SUMMARY

TABLE 1.—IRRIGATION SUMMARY: 1890 TO 1940

[For the 17 western States and Arkansas and Louisiana]

ITEM (For definitions and explanations, see text)	CENSUS OF—						
	1940	1935	1930	1920	1910	1900	1890
Approximate land area.....acres....	¹ 1,225,056,640	1,223,969,120	1,223,969,120	1,223,969,120	1,224,063,360	1,224,364,160	1,224,241,280
CENSUS OF AGRICULTURE							
All farms (irrigated and nonirrigated).....number...	1,897,845	2,184,644	2,062,813	1,916,391	1,776,046	1,390,336	934,878
Land in all farms.....acres.....	629,050,311	608,320,098	568,693,705	505,440,954	416,462,547	376,476,067	195,595,861
Farms irrigated: ¹							
Farms.....number...	291,655	289,779	265,147	222,789	162,723	² 113,849	54,136
Increase or decrease (-) over preceding census....percent..	³ 10.0	.....	19.0	36.9	43.0	110.3	.....
Proportion of all farms.....percent..	15.4	13.3	12.9	11.6	9.2	8.2	5.8
Land in farms.....acres.....	112,601,431	(⁴)	78,339,222	(⁴)	(⁴)	(⁴)	(⁴)
Proportion of all farm land.....percent..	17.9	(⁴)	13.6	(⁴)	(⁴)	(⁴)	(⁴)
Area irrigated.....acres.....	⁵ 17,616,777	⁶ 12,938,381	⁷ 14,633,252	(⁸)	(⁸)	² 7,744,492	² 3,715,945
Increase or decrease (-) over preceding census....percent..	³ 21.8	.....	.....	.....	.....	108.4	.....
Proportion of total land area of State.....percent..	1.5	1.1	1.2	.....	.....	0.6	0.3
Proportion of all farm land.....percent..	2.8	2.1	2.6	.....	.....	2.1	1.9
Value of irrigated farms (land and buildings).....dollars..	3,467,116,512	(⁴)	4,629,781,819	(⁴)	(⁴)	(⁴)	(⁴)
Average per farm.....dollars..	11,887.73	(⁴)	17,461.19	(⁴)	(⁴)	(⁴)	(⁴)
Average per acre.....dollars..	30.79	(⁴)	59.10	(⁴)	(⁴)	(⁴)	(⁴)
Value of farm implements and machinery ⁹.....dollars..	283,024,144	(⁴)	257,110,965	(⁴)	(⁴)	(⁴)	(⁴)
Average per farm ⁹.....dollars..	970.41	(⁴)	969.69	(⁴)	(⁴)	(⁴)	(⁴)
Average per acre ⁹.....dollars..	2.51	(⁴)	3.28	(⁴)	(⁴)	(⁴)	(⁴)
CENSUS OF IRRIGATION							
Irrigation enterprises:							
Enterprises.....number...	91,637	(⁴)	75,517	63,298	56,858	(⁴)	(⁴)
Units irrigated ¹⁰.....number...	430,022	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Area irrigated.....acres.....	21,003,739	(⁴)	19,547,544	19,191,716	14,433,285	(⁴)	(⁴)
Area existing works were capable of supplying with water.....acres.....	28,055,248	(⁴)	26,101,890	26,020,477	20,885,403	(⁴)	(⁴)
Area irrigable.....acres.....	31,305,949	(⁴)	30,599,470	¹¹ 35,890,821	¹¹ 32,245,464	(⁴)	(⁴)
Additional area existing works were capable of supplying with water.....acres.....	7,051,509	(⁴)	6,554,346	6,828,761	5,852,118	(⁴)	(⁴)
Additional irrigable area in enterprises not supplied with water.....acres.....	10,302,210	(⁴)	¹¹ 11,051,926	¹¹ 16,699,105	¹¹ 17,612,179	(⁴)	(⁴)
Investment in irrigation enterprises.....dollars..	1,052,049,201	(⁴)	² 892,755,790	697,657,328	321,454,008	70,010,594	29,533,921
Increase or decrease (-) over preceding census....percent..	⁸ 17.8	(⁴)	28.0	117.0	359.2	.....	.....
Average per acre based on area works were capable of supplying with water.....dollars..	37.50	(⁴)	34.20	26.81	15.85	(⁴)	(⁴)
Increase or decrease (-) over preceding census....percent..	⁹ 9.6	(⁴)	27.6	69.1	.....	.....	.....
Estimated completed cost of existing enterprises.....dollars..	1,126,545,687	(⁴)	1,015,108,210	819,778,005	437,948,825	(⁴)	(⁴)
Average per acre based on irrigable area in enterprises.....dollars..	35.99	(⁴)	33.17	¹¹ 22.84	¹¹ 13.58	(⁴)	(⁴)
Average annual cost per acre irrigated for maintenance and operation of irrigation works.....dollars..	2.23	(⁴)	2.77	2.43	¹² 1.07	(⁴)	(⁴)

¹Relates to farms reporting irrigated cropland harvested and/or irrigated pasture, 1940 Census; farms reporting irrigated cropland harvested, 1935 Census; farms reporting irrigated crops, 1930, 1920, and 1910 Censuses; and farms reporting irrigated land, 1900 and 1890 Censuses. ²Revised. ³Increase or decrease represented by 1940 figures are with reference to 1930 figures, not 1935. ⁴Not available. ⁵Irrigated land from which crops were harvested plus 2,749,303 acres of irrigated land used only for pasture. ⁶Irrigated land from which crops were harvested. ⁷Acres of irrigated crops including some duplication where 2 or more crops were harvested from same land. ⁸Data were secured for crops irrigated but the returns were considered relatively incomplete. ⁹Total is for irrigated farms reporting this item. Averages are based on all irrigated farms. ¹⁰Schedules called for "Number of farms," see explanation in text. ¹¹For 1920 and 1910 relates to total area in enterprises. Irrigable areas for those years were not reported. ¹²Does not include cost of operation and maintenance for rice growing districts in Gulf States; consequently figure is not comparable. ¹³The land area shown for 1940 represents redeterminations by the Bureau of the Census and, therefore, differs from those shown for earlier years.

TABLE 2.—CENSUS OF AGRICULTURE—NUMBER OF FARMS, FARM ACREAGE ACCORDING TO USE, AND SPECIFIED FARM VALUES FOR IRRIGATED AND NONIRRIGATED FARMS, BY TENURE OF OPERATOR, 1940

[For the 17 western States and Arkansas and Louisiana]

ITEM (For definitions and explanations, see text)	Farms	Land in farms	CROPLAND HARVESTED 1939			VALUE OF FARMS (land and buildings)		VALUE OF BUILDINGS		VALUE OF IMPLEMENTS AND MACHINERY	
			Total	Irrigated ¹	Irrigated pasture 1939	Total	Average per acre ²	Total	Average per acre ²	Total	Average per acre ²
	<i>Number</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
All farms.....	1,897,845	629,050,311	143,843,948	15,067,474	2,749,303	12,803,166,043	20.35	2,555,505,540	4.06	1,085,720,348	1.74
Owners and managers.....	1,076,457	459,428,855	84,359,515	11,005,815	2,317,655	8,783,602,098	19.12	1,850,915,794	4.03	737,899,289	1.61
Tenants.....	821,388	169,621,456	59,484,433	4,061,659	431,648	4,019,563,945	23.70	704,589,746	4.15	357,821,059	2.11
Irrigated farms, total.....	291,655	112,601,431	19,711,450	15,067,474	2,749,303	3,467,116,512	30.79	629,915,422	5.59	283,024,144	2.51
Owners and managers.....	221,639	97,502,649	14,493,368	11,005,815	2,317,655	2,784,524,630	28.56	529,180,148	5.43	217,717,548	2.23
Tenants.....	70,016	15,098,782	5,218,082	4,061,659	431,648	682,591,882	45.21	100,735,274	6.67	65,306,596	4.33
Wholly irrigated farms.....	219,614	65,984,746	11,995,168	11,995,168	2,071,385	2,366,971,049	35.87	448,859,681	6.80	191,640,325	2.90
Owners and managers.....	168,131	57,315,843	8,744,365	8,744,365	1,745,651	1,897,179,811	33.10	377,501,371	6.59	146,131,755	2.55
Tenants.....	51,483	8,668,903	3,250,803	3,250,803	325,734	469,791,238	54.19	71,358,310	8.23	45,508,570	5.25
Partly irrigated farms.....	72,041	46,616,685	7,716,282	3,072,306	677,918	1,100,145,463	22.68	181,055,741	3.88	91,383,819	1.96
Owners and managers.....	53,508	40,186,806	5,749,003	2,261,450	572,004	887,344,819	22.08	151,678,777	3.77	71,585,793	1.78
Tenants.....	18,533	6,429,879	1,967,279	810,856	105,914	212,800,644	33.10	29,376,964	4.57	19,798,026	3.08
Nonirrigated farms, total.....	1,606,190	516,448,880	124,132,498	.....	.....	9,336,049,531	18.08	1,925,590,118	3.73	812,696,204	1.57

¹Does not include irrigated fallow land or land in young irrigated crops not harvested or in irrigated crops that failed. ²Based on all land in farms for each tenure group.