

GENERAL DISCUSSION

XXIX

TABLE 4.—AREAS, CAPITAL INVESTED, AVERAGE INVESTMENT PER ACRE, AND PROPORTIONS OF TOTALS, BY TYPE OF ENTERPRISE: 1890 TO 1940
(Statistics for charts numbers IX and X covering the 17 western States and Arkansas and Louisiana)

TYPE OF ENTERPRISE (For definitions and explanations, see text)	CENSUS OF—														
	1890 ¹		1900 ¹		1910		1920		1930		1940				
	All enter- prises	All enter- prises	All enter- prises	Proportion of total	All enter- prises	Proportion of total	All enter- prises	Proportion of total	All enter- prises	Proportion of total	All enter- prises	Proportion of total	Increase or decrease (-) 1930- 1940	Primary enter- prises ²	Supple- mental enter- prises
AREA IRRIGATED															
Total	3,715,945	7,744,492	14,433,285	100.0	19,191,716	100.0	19,547,544	100.0	21,003,739	100.0	21,003,739	100.0	7.4	21,003,739	3,287,210
Individual and partnership	(3)	(3)	6,594,614	45.7	6,848,807	35.7	6,410,581	32.8	7,514,152	34.8	7,514,152	34.8	14.1	7,514,152	596,171
Cooperatives	(3)	(3)	4,645,539	32.2	6,581,400	34.5	6,271,354	32.1	6,652,488	31.7	6,652,488	31.7	6.1	6,652,488	858,388
Irrigation district	(3)	(3)	528,642	3.7	1,822,887	9.5	3,452,275	17.7	3,514,702	16.7	3,514,702	16.7	1.8	3,514,702	211,470
Commercial	(3)	(3)	1,809,379	12.5	1,822,001	9.5	1,230,763	6.3	1,017,781	4.8	1,017,781	4.8	-17.3	1,017,781	128,236
U. S. Bureau of Reclamation	(3)	(3)	595,646	2.7	1,254,569	6.5	1,485,028	7.6	1,824,004	8.7	1,824,004	8.7	22.8	1,824,004	1,460,470
All other ⁴	(3)	(3)	461,465	3.2	862,052	4.5	697,565	3.5	680,612	3.3	680,612	3.3	-2.4	680,612	32,473
AREA WORKS WERE CAPABLE OF SUPPLYING WITH WATER															
Total	(3)	(3)	20,285,403	100.0	26,020,477	100.0	26,101,890	100.0	29,055,248	100.0	29,055,248	100.0	7.5	29,055,248	4,268,394
Individual and partnership	(3)	(3)	8,086,766	39.9	9,255,756	35.6	7,982,142	30.6	9,833,198	34.3	9,833,198	34.3	20.7	9,833,198	798,306
Cooperatives	(3)	(3)	6,191,577	30.5	8,403,298	32.3	7,861,081	30.1	7,996,236	28.5	7,996,236	28.5	1.7	7,996,236	990,411
Irrigation district	(3)	(3)	800,451	3.9	2,551,425	9.7	4,946,095	18.6	4,869,595	17.7	4,869,595	17.7	2.5	4,869,595	451,677
Commercial	(3)	(3)	2,954,166	14.6	2,799,565	10.8	2,160,950	8.3	1,961,202	7.0	1,961,202	7.0	-9.2	1,961,202	232,604
U. S. Bureau of Reclamation	(3)	(3)	786,190	3.9	1,680,643	6.5	1,944,825	7.4	2,349,967	8.4	2,349,967	8.4	20.8	2,349,967	1,762,721
All other ⁴	(3)	(3)	1,466,253	7.2	1,349,792	5.1	1,306,797	5.0	1,145,250	4.1	1,145,250	4.1	-12.4	1,145,250	32,473
CAPITAL INVESTED															
Total	\$9,533,921	\$70,010,594	\$321,454,006	100.0	\$697,657,328	100.0	\$822,755,790	100.0	\$1,032,049,201	100.0	\$1,032,049,201	100.0	17.8	\$963,888,263	\$88,160,938
Individual and partnership	(3)	(3)	(3)	(3)	154,654,169	22.2	197,667,180	21.0	197,582,750	17.8	197,582,750	17.8	-0.3	170,568,731	17,013,999
Cooperatives	(3)	(3)	(3)	(3)	183,041,500	26.2	179,329,962	20.1	224,140,876	21.5	224,140,876	21.5	25.0	205,082,650	19,058,326
Irrigation district	(3)	(3)	(3)	(3)	88,573,514	12.7	210,733,476	23.6	265,737,810	25.5	265,737,810	25.5	26.1	260,701,900	5,035,910
Commercial	(3)	(3)	(3)	(3)	85,735,470	12.3	62,551,714	7.0	66,243,823	6.3	66,243,823	6.3	6.2	59,250,003	6,993,820
U. S. Bureau of Reclamation	(3)	(3)	(3)	(3)	129,509,819	18.6	193,989,576	21.7	250,245,359	23.8	250,245,359	23.8	29.0	211,048,133	59,199,226
All other ⁴	(3)	(3)	(3)	(3)	56,162,856	8.0	58,488,882	6.6	58,299,603	5.5	58,299,603	5.5	-0.3	57,439,946	659,657
AVERAGE INVESTMENT PER ACRE WORKS WERE CAPABLE OF SUPPLYING WITH WATER															
Total	\$7.95	\$9.04	15.85	xxx	26.81	xxx	\$34.20	xxx	37.50	xxx	xxx	9.1	34.36	20.65	
Individual and partnership	(3)	(3)	(3)	xxx	16.71	xxx	\$25.54	xxx	xxx	xxx	xxx	xxx	17.69	21.81	
Cooperatives	(3)	(3)	(3)	xxx	21.78	xxx	22.81	xxx	xxx	xxx	xxx	xxx	25.65	19.24	
Irrigation district	(3)	(3)	(3)	xxx	54.89	xxx	43.49	xxx	xxx	xxx	xxx	xxx	52.46	11.15	
Commercial	(3)	(3)	(3)	xxx	30.62	xxx	28.85	xxx	xxx	xxx	xxx	xxx	30.21	30.04	
U. S. Bureau of Reclamation	(3)	(3)	(3)	xxx	77.06	xxx	99.75	xxx	xxx	xxx	xxx	xxx	89.81	22.24	
All other ⁴	(3)	(3)	(3)	xxx	41.61	xxx	44.75	xxx	xxx	xxx	xxx	xxx	50.15	26.47	

¹Census of Agriculture. ²Areas shown under "Supplemental sources" are parts of areas shown under "Primary sources" and therefore are not added again into the totals (see text). ³Data not separated by type of enterprise. ⁴Includes Reclamation District Office of Indian Affairs, State, City and/or sewage, and other. ⁵Revised. ⁶Based on area irrigated.

TABLE 5.—IRRIGATION OF AGRICULTURAL LANDS IN THE HUMID STATES EXCLUSIVE OF ARKANSAS AND LOUISIANA—NUMBER OF FARMS REPORTING IRRIGATION AND AREA IRRIGATED, 1939, 1934, 1902, AND 1899; AND CONSTRUCTION COSTS OF SYSTEMS, 1902 AND 1899; BY STATES

STATE (Order based on number of farms reporting irrigation for 1939)	FARMS REPORTING IRRIGATION				AREA IRRIGATED								CONSTRUCTION COSTS OF SYSTEMS					
	1939 ¹	1934 ¹	1902	1899	1939 ¹			1934 ¹	1902	1899	Average per farm							
					Total	Cropland harvested	Pas-ture											
	Number	Number	Number	Number	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Dollars	Dollars	Dollars	Dollars
Total (29 humid States)	7,949	6,410	1,875	1,426	166,053	162,771	3,282	95,793	56,011	44,113	20.9	14.9	29.0	30.9	2,319,857	1,511,200	41.42	34.26
Florida ²	5,947	2,751	405	180	126,191	125,682	2,509	65,832	3,772	1,558	32.0	25.9	9.3	8.5	512,859	252,588	135.96	151.10
Ohio	658	655			4,556	4,556		4,598			6.9	7.0						
New Jersey	580	699	9	8	7,956	7,795	161	7,902	48	75	13.7	11.3	5.5	9.1	3,236	2,851	67.42	38.78
New York	567	498	14	10	5,948	5,850	98	5,221	159	66	10.5	6.6	11.4	6.8	4,780	1,872	30.06	27.53
Michigan	462	718			2,960	2,735	225	5,567			6.4	7.8						
Pennsylvania	299	195	147	154	3,528	3,528	28	1,047	906	614	11.2	4.4	6.2	6.1	17,214	15,627	19.00	19.20
Massachusetts	231	22	30	28	2,049	2,051	18	322	293	134	8.9	14.6	9.4	4.8	24,850	14,680	87.81	109.55
Minnesota	216	61			2,968	2,918	50	488			13.7	8.0						
Wisconsin	163	78			2,345	2,345		1,438			14.4	18.4						
Missouri	140	143			960	960		981			6.9	6.9						
Indiana	136	102			685	685		532			5.0	5.2						
Iowa	88	107			2,258	2,195	65	1,461			25.7	13.7						
Illinois	72	42			307	307		195			4.5	4.6						
Connecticut	57	11	48	56	520	520		115	379	471	9.1	10.5	7.9	8.4	11,572	16,113	30.53	34.21
Virginia	53	36			687	687		587			13.0	10.8						
Kentucky	46	37			205	205		234			4.5	6.3						
Alabama	37	48	7	7	281	281		195	95	69	7.6	4.0	13.6	12.7	3,180	5,200	33.47	58.43
North Carolina ³	37	51	104	101	246	239	7	125	3,265	6.6	4.0	32.9	32.5	112,905	112,771	32.99	34.35	
Maine	33	6	11	11	143	94	49	23	17	17	4.3	3.8	1.5	1.5	2,267	2,170	133.35	127.65
Georgia ³	25	72	260	258	158	158		401	8,581	7,856	6.1	5.6	33.0	33.0	274,990	250,214	52.05	51.85
West Virginia	23	11			270	268		2	47		11.7	4.5						
Tennessee	21	4			311	246		65	57		14.8	14.2						
Maryland	17	9			67	62		5			3.9	8.8						
South Carolina ³	14	65	851	648	411	411		414	58,220	29,690	29.4	6.4	46.0	45.8	1,345,104	851,509	35.14	28.68
Rhode Island	10	5	2	2	109	109		88	15	40	10.9	17.6	7.5	20.0	2,500	3,000	166.67	75.00
Mississippi	7	6	7	5	94	94		21	114	40	15.4	3.5	16.3	15.3	6,400	2,825	56.14	70.62
New Hampshire	7	8			25	25		17			3.6	2.8						
Delaware	2	1			7	7		8			3.5	2.7						
Vermont	1	1			7	7		2			2.0	2.0						

¹Census of Agriculture. ²Florida was one of the 20 States for which the special irrigation schedules were used in 1940. Additional data for Florida shown in other tables. ³Irrigation in 1902 and 1899 was largely for the growing of rice.