

IRRIGATION IN HUMID AREAS

Table 8.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION SYSTEMS.

[Data on cost of irrigation systems were reported only for farms

	Method of applying water (see text)	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
			1954		1955			Farms reporting	Number	
			Farms reporting	Acres	Farms reporting	Acres				
1	Total, 28 States.....	6,414	6,085	245,928	5,541	220,082	295,154	6,207	7,530	3,165
2	Sprinkler and combinations of sprinkler with other methods.....	5,895	5,589	205,881	5,151	189,358	249,795	5,767	6,892	3,008
3	Sprinkler only.....	5,680	5,383	183,554	4,998	167,300	222,268	5,569	6,453	2,902
4	Sprinkler and fixed overhead pipe only.....	86	81	1,708	76	1,894	2,099	72	124	41
5	Sprinkler and portable gated pipe only.....	44	43	5,421	41	5,609	6,861	42	85	24
6	Sprinkler and ditch only.....	41	38	7,090	36	6,192	8,243	41	120	20
7	Sprinkler and flooding only.....	29	29	4,761	26	4,460	6,262	29	69	11
8	Sprinkler in combination with other methods.....	15	15	3,347	14	3,903	4,062	14	41	10
9	Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	112	100	1,078	104	1,443	1,545	84	100	40
10	Fixed overhead pipe only.....	109	97	1,070	101	1,433	1,535	82	98	39
11	Combinations of fixed overhead pipe and other methods (except sprinkler).....	3	3	8	3	10	10	2	2	1
12	Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	58	56	8,284	47	6,978	10,172	58	109	20
13	Portable gated pipe only.....	31	30	1,862	22	1,032	2,147	31	40	8
14	Portable gated pipe and ditches.....	16	16	3,282	14	2,749	3,960	16	38	6
15	Portable gated pipe and flooding.....	11	10	3,140	11	3,197	4,065	11	31	6
16	Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe and portable gated pipe).....	188	182	15,491	117	11,540	17,105	154	225	63
17	Ditches only.....	132	126	5,965	73	4,297	6,858	103	125	46
18	Ditches and flooding.....	53	53	9,518	41	7,235	10,238	48	97	15
19	Combinations of ditches with other methods.....	3	3	8	3	8	9	3	3	2
20	Flooding and combination of flooding with other methods.....	101	101	14,135	74	9,662	15,292	95	143	14
21	Other methods.....	58	56	1,041	47	1,096	1,222	47	59	20
22	Method not reported.....	2	1	18	1	5	23	2	2	...
23	Maine.....	24	16	138	22	416	483	20	23	14
24	Sprinkler and combinations of sprinkler with other methods.....	20	14	133	19	410	477	19	22	13
25	Sprinkler only.....	19	13	122	18	392	459	19	22	13
26	Sprinkler and portable gated pipe only.....	1	1	11	1	18	18	...	...	...
27	Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	1	1	2	1	2	2	1	1	...
28	Portable gated pipe only.....	1	1	2	1	2	2	1	1	...
29	Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	1	...	...	...	...	...	...	...	1
30	Ditches only.....	1	...	...	...	...	...	...	...	1
31	Flooding and combination of flooding with other methods.....	1	1	3	1	3	3	...	...	...
32	Other methods.....	1	...	...	1	1	1	...	...	...
33	New Hampshire.....	31	30	510	30	685	718	28	31	15
34	Sprinkler and combinations of sprinkler with other methods.....	28	27	487	28	663	695	26	28	14
35	Sprinkler only.....	28	27	487	28	663	695	26	28	14
36	Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	1	1	20	1	20	20	1	2	1
37	Fixed overhead pipe only.....	1	1	20	1	20	20	1	2	1
38	Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	2	2	3	1	2	3	1	1	...
39	Ditches only.....	1	1	1	...	...	...	...	...	...
40	Combinations of ditches with other methods.....	1	1	2	1	2	2	1	1	...
41	Vermont.....	14	14	267	13	275	341	14	16	4
42	Sprinkler and combinations of sprinkler with other methods.....	14	14	267	13	275	341	14	16	4
43	Sprinkler only.....	14	14	267	13	275	341	14	16	4
44	Massachusetts.....	217	199	3,982	205	4,462	5,343	177	213	102
45	Sprinkler and combinations of sprinkler with other methods.....	202	185	3,865	190	4,336	5,178	168	204	96
46	Sprinkler only.....	191	175	3,693	180	4,150	4,972	161	191	93
47	Sprinkler and fixed overhead pipe only.....	9	9	140	8	151	170	5	9	1
48	Sprinkler and ditch only.....	1	...	...	1	4	4	1	1	1
49	Sprinkler in combination with other methods.....	1	1	32	1	31	32	1	3	1
50	Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	10	9	58	10	64	64	6	6	3
51	Fixed overhead pipe only.....	10	9	58	10	64	64	6	6	3
52	Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	2	2	13	2	16	55	2	2	1
53	Portable gated pipe only.....	2	2	13	2	16	55	2	2	1
54	Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe and portable gated pipe).....	2	2	44	2	44	44	...	...	2
55	Ditches only.....	2	2	44	2	44	44	...	...	2
56	Other methods.....	1	1	2	1	2	2	1	1	...

IRRIGATION IN HUMID AREAS

FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS, BY METHOD OF APPLYING WATER, BY STATES: 1955

reporting irrigation beginning in 1946 or later. See text.]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells			
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)
35,545,680	5,542	145	6,382	27,477,344	4,305	112	693	826,488	1,193	3.36	3,896	7,241,848	1,859	29.45
32,852,570	5,573	160	5,892	25,853,911	4,388	126	448	476,086	1,063	2.31	3,617	6,522,573	1,803	31.68
30,554,219	5,379	166	5,677	24,317,404	4,283	132	351	286,714	817	1.56	3,466	5,950,101	1,717	32.42
493,932	5,743	289	86	369,954	4,302	217	14	12,680	906	7.42	56	111,298	1,987	65.16
513,672	11,674	95	44	401,560	9,126	74	14	20,645	1,475	3.81	28	91,467	3,267	16.87
476,821	11,630	67	41	235,898	5,754	33	41	78,350	1,911	11.05	31	162,573	5,244	22.93
398,757	13,750	84	29	250,650	8,643	53	27	77,647	2,876	16.31	24	70,460	2,936	14.80
415,169	27,678	124	15	278,445	18,563	83	1	50	50	0.01	12	136,674	11,390	40.83
618,898	5,526	574	112	517,211	4,618	480	18	12,505	695	11.60	62	89,182	1,438	82.73
617,078	5,661	577	109	515,841	4,732	482	17	12,455	733	11.64	61	88,782	1,455	82.97
1,820	607	228	3	1,370	457	171	1	50	50	6.25	1	400	400	50.00
487,375	8,403	59	58	240,676	4,150	29	37	89,975	2,432	10.86	36	156,724	4,353	18.92
148,852	4,802	80	31	93,481	3,016	50	11	16,339	1,485	8.77	13	39,032	3,002	20.96
183,199	11,450	56	16	87,275	5,455	27	15	34,199	2,280	10.42	14	61,725	4,409	18.81
155,324	14,120	49	11	59,920	5,447	19	11	39,437	3,585	12.56	9	55,967	6,219	17.82
876,760	4,664	57	165	458,888	2,781	30	123	150,216	1,221	9.70	105	267,656	2,549	17.28
367,785	2,786	62	112	181,759	1,623	30	84	57,151	600	9.58	69	128,875	1,868	21.61
506,960	9,565	53	50	276,204	5,524	29	37	92,850	2,509	9.76	34	137,906	4,056	14.49
2,015	672	252	3	925	308	116	2	215	108	26.88	2	875	438	109.38
542,728	5,374	38	98	303,326	3,095	21	57	85,901	1,507	6.08	47	153,501	3,266	10.86
158,807	2,738	153	55	94,790	1,723	92	10	11,805	1,181	11.34	29	52,212	1,800	50.16
8,542	4,271	475	2	8,542	4,271	474	...	...	...	...	...	...	...	...
66,866	2,786	485	23	57,011	2,479	413	1	600	600	4.35	14	9,255	661	67.07
64,631	3,232	486	20	55,976	2,799	421	...	...	...	...	13	8,655	666	65.08
64,131	3,375	526	19	55,476	2,920	455	...	...	...	...	13	8,655	666	70.94
500	500	45	1	500	500	45	...	...	...	...	...	...	...	...
915	915	458	1	915	915	458	...	...	...	...	...	...	...	...
915	915	458	1	915	915	458	...	...	...	...	...	...	...	...
1,200	1,200	...	...	...	...	...	1	600	600	...	1	600	600	...
1,200	1,200	...	...	...	...	...	1	600	600	...	1	600	600	...
50	50	17	1	50	50	17	...	...	...	...	...	...	...	...
70	70	...	1	70	70	...	...	...	...	...	...	...	...	...
88,468	2,854	173	30	68,898	2,297	135	6	2,081	347	4.08	15	17,489	1,166	34.29
83,068	2,967	170	28	66,048	2,359	136	4	1,681	420	3.45	14	15,339	1,096	31.50
83,068	2,967	170	28	66,048	2,359	136	4	1,681	420	3.45	14	15,339	1,096	31.50
4,750	4,750	238	1	2,600	2,600	130	...	...	...	...	1	2,150	2,150	107.50
4,750	4,750	238	1	2,600	2,600	130	...	...	...	...	1	2,150	2,150	107.50
650	325	217	1	250	250	83	2	400	200	133.33	...	...	...	...
200	200	...	...	...	...	...	1	200	200	200.00	...	...	...	...
450	450	225	1	250	250	125	1	200	200	100.00	...	...	...	...
30,008	2,143	112	14	28,513	2,037	107	...	...	...	...	5	1,495	299	5.60
30,008	2,143	112	14	28,513	2,037	107	...	...	...	...	5	1,495	299	5.60
30,008	2,143	112	14	28,513	2,037	107	...	...	...	...	5	1,495	299	5.60
731,941	3,373	184	215	620,932	2,888	156	24	21,891	912	5.50	112	89,118	796	22.38
712,646	3,528	184	202	607,152	3,006	157	21	19,586	933	5.07	104	85,908	826	22.23
686,706	3,595	186	191	583,927	3,057	158	19	19,491	1,026	5.28	100	83,288	833	22.55
19,100	2,122	136	9	17,925	1,992	128	1	75	75	0.54	2	1,100	550	7.86
340	340	340	1	300	300	...	1	20	20	...	1	20	20	...
6,500	6,500	203	1	5,000	5,000	156	...	...	...	...	1	1,500	1,500	46.88
12,225	1,222	211	10	10,225	1,022	176	...	...	...	...	5	2,000	400	34.48
12,225	1,222	211	10	10,225	1,022	176	...	...	...	...	5	2,000	400	34.48
3,315	1,658	255	2	3,000	1,500	231	...	...	...	...	1	315	315	24.23
3,315	1,658	255	2	3,000	1,500	231	...	...	...	...	1	315	315	24.23
3,195	1,598	73	...	...	...	...	2	2,300	1,150	52.27	2	895	448	20.34
3,195	1,598	73	...	...	...	...	2	2,300	1,150	52.27	2	895	448	20.34
560	560	280	1	555	555	278	1	5	5	2.50	...	...	...	...

IRRIGATION IN HUMID AREAS

Table 8.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION SYSTEMS,

[Data on cost of irrigation systems were reported only for farms

	Method of applying water (see text)	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
			1954		1955			Farms reporting	Number	
			Farms reporting	Acres	Farms reporting	Acres				
1	Rhode Island.....	17	17	535	15	377	633	16	21	7
2	Sprinkler and combinations of sprinkler with other methods.....	16	16	510	14	345	601	15	20	7
3	Sprinkler only.....	16	16	510	14	345	601	15	20	7
4	Other methods.....	1	1	25	1	32	32	1	1	...
5	Connecticut.....	161	151	5,924	155	6,161	6,679	158	208	98
6	Sprinkler and combinations of sprinkler with other methods.....	153	143	5,900	147	6,133	6,652	152	201	93
7	Sprinkler only.....	149	139	5,808	143	6,016	6,552	149	195	90
8	Sprinkler and fixed overhead pipe only.....	3	3	50	3	60	60	2	4	2
9	Sprinkler and flooding only.....	1	1	42	1	57	40	1	2	1
10	Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	2	2	13	2	13	13	2	2	1
11	Fixed overhead pipe only.....	2	2	13	2	13	13	2	2	1
12	Flooding and combination of flooding with other methods.....	1	1	4	1	5	4	1	1	...
13	Other methods.....	5	5	7	5	10	10	3	4	4
14	New York.....	467	434	16,596	449	18,390	20,078	422	512	169
15	Sprinkler and combinations of sprinkler with other methods.....	452	420	16,476	434	18,201	19,886	413	500	166
16	Sprinkler only.....	436	406	16,008	418	17,680	19,349	401	478	160
17	Sprinkler and fixed overhead pipe only.....	11	10	273	11	271	283	7	13	2
18	Sprinkler and portable gated pipe only.....	2	1	24	2	32	36	2	2	2
19	Sprinkler and ditch only.....	2	2	71	2	118	118	2	6	2
20	Sprinkler in combination with other methods.....	1	1	100	1	100	100	1	1	...
21	Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	8	7	38	8	55	56	3	3	2
22	Fixed overhead pipe only.....	8	7	38	8	55	56	3	3	2
23	Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	1	1	52	1	103	103	1	2	1
24	Portable gated pipe only.....	1	1	52	1	103	103	1	2	1
25	Flooding and combination of flooding with other methods.....	2	2	7	2	7	9	2	2	...
26	Other methods.....	4	4	23	4	24	24	3	5	...
27	New Jersey.....	560	520	20,343	541	24,339	24,291	540	683	328
28	Sprinkler and combinations of sprinkler with other methods.....	542	502	20,198	524	24,190	24,139	526	667	322
29	Sprinkler only.....	526	487	19,840	509	23,745	23,688	512	648	313
30	Sprinkler and fixed overhead pipe only.....	10	9	123	10	155	145	8	13	4
31	Sprinkler and ditch only.....	1	1	5	1	5	5	1	1	1
32	Sprinkler and flooding only.....	3	3	66	2	82	98	3	3	2
33	Sprinkler in combination with other methods.....	2	2	164	2	203	203	2	2	2
34	Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	12	12	131	12	136	136	8	9	4
35	Fixed overhead pipe only.....	12	12	131	12	136	136	8	9	4
36	Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	1	1	2	1	3	3	1	2	1
37	Ditches only.....	1	1	2	1	3	3	1	2	1
38	Flooding and combination of flooding with other methods.....	2	2	7	2	6	7	2	2	1
39	Other methods.....	3	3	5	2	4	6	3	3	...
40	Pennsylvania.....	277	266	7,681	263	8,398	9,502	272	304	134
41	Sprinkler and combinations of sprinkler with other methods.....	257	247	7,442	245	8,253	9,259	254	283	122
42	Sprinkler only.....	250	240	7,388	238	8,206	9,205	250	278	120
43	Sprinkler and fixed overhead pipe only.....	4	4	30	4	22	30	2	3	1
44	Sprinkler and ditch only.....	1	1	16	1	17	17	1	1	1
45	Sprinkler and flooding only.....	1	1	4	1	4	3	1	1	...
46	Sprinkler in combination with other methods.....	1	1	4	1	4	4	...	...	...
47	Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	8	7	95	7	52	95	6	6	5
48	Fixed overhead pipe only.....	8	7	95	7	52	95	6	6	5
49	Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	1	1	3	1	5	5	1	1	1
50	Portable gated pipe only.....	1	1	3	1	5	5	1	1	1
51	Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	1	1	5	1	5	5	1	1	1
52	Combination of ditches with other methods.....	1	1	5	1	5	5	1	1	1
53	Flooding and combination of flooding with other methods.....	4	4	75	4	30	75	4	5	...
54	Other methods.....	6	6	61	5	53	63	6	8	5

IRRIGATION IN HUMID AREAS

FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS, BY METHOD OF APPLYING WATER, BY STATES: 1955—Continued

reporting irrigation beginning in 1946 or later. See text]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells				
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	
63,525	3,737	119	17	54,045	3,179	101	...	...	...	...	8	9,480	1,185	17.72	1
60,995	3,812	120	16	51,515	3,220	101	...	...	...	...	8	9,480	1,185	18.59	2
60,995	3,812	120	16	51,515	3,220	101	...	...	...	...	8	9,480	1,185	18.59	3
2,530	2,530	101	1	2,530	2,530	101	...	...	...	...	...	...	...	...	4
1,279,209	7,945	216	160	1,020,923	6,381	172	21	15,500	738	2.62	101	242,786	2,404	40.98	5
1,273,283	8,322	216	152	1,016,493	6,687	172	21	15,500	738	2.63	96	241,290	2,513	40.90	6
1,252,533	8,406	216	148	1,003,593	6,781	173	20	15,350	768	2.64	93	233,590	2,512	40.22	7
13,700	5,233	314	3	8,200	2,733	164	...	...	...	...	2	7,500	3,750	150.00	8
5,050	5,050	120	1	4,700	4,700	112	1	150	150	3.57	1	200	200	4.76	9
2,725	1,362	210	2	2,650	1,325	204	...	...	...	...	1	75	75	5.77	10
2,725	1,362	210	2	2,650	1,325	204	...	...	...	...	1	75	75	5.77	11
480	480	120	1	480	480	120	...	...	...	...	...	...	...	...	12
2,721	544	389	5	1,300	260	186	...	...	...	...	4	1,421	355	203.00	13
2,560,967	5,484	154	467	2,099,369	4,495	126	26	29,961	1,152	1.81	301	431,637	1,434	26.01	14
2,517,293	5,569	153	452	2,074,521	4,590	126	23	24,197	1,052	1.47	295	418,575	1,419	25.40	15
2,426,976	5,566	152	436	2,008,692	4,607	125	20	21,952	1,098	1.37	284	396,332	1,396	24.76	16
61,700	5,609	226	11	43,100	3,918	158	1	1,200	1,200	4.40	6	17,400	2,900	63.74	17
5,500	2,750	229	2	4,000	2,000	167	...	...	...	...	2	1,500	750	62.50	18
7,117	3,558	100	2	4,729	2,364	67	2	1,045	522	14.72	2	1,343	672	18.92	19
16,000	16,000	160	1	14,000	14,000	140	...	...	...	...	1	2,000	2,000	20.00	20
11,058	1,382	291	8	9,358	1,170	246	...	...	...	...	3	1,700	567	44.74	21
11,058	1,382	291	8	9,358	1,170	246	...	...	...	...	3	1,700	567	44.74	22
9,096	9,096	175	1	6,240	6,240	120	1	1,714	1,714	32.96	1	1,142	1,142	21.96	23
9,096	9,096	175	1	6,240	6,240	120	1	1,714	1,714	32.96	1	1,142	1,142	21.96	24
1,900	950	271	2	1,900	950	271	...	...	...	...	...	...	...	...	25
21,620	5,405	940	4	7,350	1,838	320	2	4,050	2,025	176.09	2	10,220	5,110	444.35	26
3,659,940	6,536	180	599	3,000,933	5,368	148	80	48,387	605	2.38	409	610,620	1,493	30.02	27
3,619,917	6,679	179	541	2,970,273	5,490	147	76	45,487	599	2.25	400	604,157	1,510	29.91	28
3,547,131	6,744	179	525	2,913,300	5,549	147	71	41,832	589	2.11	387	591,999	1,530	29.84	29
30,998	3,100	252	10	25,504	2,550	207	2	745	372	6.06	7	4,749	678	38.61	30
1,100	1,100	220	1	700	700	140	1	300	300	60.00	1	100	100	20.00	31
12,620	4,207	191	3	6,300	2,100	95	2	2,610	1,305	39.55	3	3,710	1,237	56.21	32
28,068	14,034	171	2	24,469	12,234	149	...	...	...	...	2	3,599	1,800	21.95	33
37,608	3,134	287	12	28,770	2,398	220	3	2,800	933	21.37	6	6,038	1,006	46.09	34
37,608	3,134	287	12	28,770	2,398	220	3	2,800	933	21.37	6	6,038	1,006	46.09	35
550	550	275	1	450	450	225	...	...	...	...	1	100	100	50.00	36
550	550	275	1	450	450	225	...	...	...	...	1	100	100	50.00	37
590	295	84	2	440	220	63	1	100	100	14.29	1	50	50	7.14	38
1,275	425	255	3	1,000	333	200	...	...	...	...	1	275	275	55.00	39
1,227,710	4,432	160	277	1,058,772	3,822	138	11	3,051	277	0.40	143	165,887	1,160	21.60	40
1,201,090	4,674	161	257	1,037,548	4,037	139	10	2,851	285	0.38	131	160,691	1,227	21.59	41
1,194,540	4,778	162	250	1,031,848	4,127	140	8	2,701	338	0.37	129	159,991	1,240	21.66	42
4,000	1,000	133	4	3,900	975	130	...	...	...	...	1	100	100	3.33	43
850	850	53	1	200	200	12	1	50	50	3.12	1	600	600	37.50	44
1,300	1,300	325	1	1,200	1,200	300	1	100	100	25.00	...	...	...	...	45
400	400	100	1	400	400	100	...	...	...	...	...	...	...	...	46
14,394	1,799	152	8	12,504	1,563	132	...	...	...	...	5	1,890	378	19.89	47
14,394	1,799	152	8	12,504	1,563	132	...	...	...	...	5	1,890	378	19.89	48
1,050	1,050	350	1	550	550	183	...	...	...	...	1	500	500	166.67	49
1,050	1,050	350	1	550	550	183	...	...	...	...	1	500	500	166.67	50
1,200	1,200	240	1	600	600	120	...	...	...	...	1	600	600	120.00	51
1,200	1,200	240	1	600	600	120	...	...	...	...	1	600	600	120.00	52
3,600	900	48	4	3,600	900	48	...	...	...	...	...	...	...	...	53
6,376	1,063	105	6	3,970	662	65	1	200	200	3.28	5	2,206	441	36.16	54

IRRIGATION IN HUMID AREAS

Table 8.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION SYSTEMS.

[Data on cost of irrigation systems were reported only for farms

Method of applying water (see text)	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
1 Ohio.....	225	216	5,193	195	4,521	5,944	218	258	97
2 Sprinkler and combinations of sprinkler with other methods.....	211	203	5,114	184	4,440	5,856	208	247	92
3 Sprinkler only.....	200	192	4,865	174	4,139	5,554	197	228	85
4 Sprinkler and fixed overhead pipe only.....	8	8	242	7	292	293	8	14	4
5 Sprinkler and ditch only.....	1	1	2	1	4	4	1	1	1
6 Sprinkler and flooding only.....	1	1	4	1	4	4	1	3	1
7 Sprinkler in combination with other methods.....	1	1	1	1	1	1	1	1	1
8 Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	11	10	64	8	65	72	7	8	4
9 Fixed overhead pipe only.....	11	10	64	8	65	72	7	8	4
10 Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	1	1	6	1	6	6	1	1	...
11 Portable gated pipe only.....	1	1	6	1	6	6	1	1	...
12 Other methods.....	2	2	9	2	10	10	2	2	1
13 Indiana.....	120	118	7,283	94	5,857	8,416	118	150	40
14 Sprinkler and combinations of sprinkler with other methods.....	113	111	7,118	91	5,845	8,251	111	143	38
15 Sprinkler only.....	111	109	4,924	89	3,350	5,631	109	124	37
16 Sprinkler and ditch only.....	1	1	160	1	35	160	1	5	...
17 Sprinkler in combination with other methods.....	1	1	2,034	1	2,460	2,460	1	14	1
18 Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	2	2	8	2	7	8	2	2	1
19 Fixed overhead pipe only.....	2	2	8	2	7	8	2	2	1
20 Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	1	1	31	...	...	31	1	1	...
21 Portable gated pipe only.....	1	1	31	...	...	31	1	1	...
22 Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	3	3	125	1	5	125	3	3	1
23 Ditches only.....	3	3	125	1	5	125	3	3	1
24 Flooding and combination of flooding with other methods.....	1	1	1	...	...	1	1	1	...
25 Illinois.....	66	61	1,404	53	1,258	1,663	64	82	21
26 Sprinkler and combinations of sprinkler with other methods.....	58	54	1,319	50	1,227	1,576	56	73	19
27 Sprinkler only.....	55	51	1,255	47	1,159	1,526	53	69	18
28 Sprinkler and fixed overhead pipe only.....	3	3	64	3	68	50	3	4	1
29 Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	1	1	5	1	5	5	1	1	...
30 Fixed overhead pipe only.....	1	1	5	1	5	5	1	1	...
31 Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	4	3	15	1	2	17	4	5	2
32 Ditches only.....	4	3	15	1	2	17	4	5	2
33 Flooding and combination of flooding with other methods.....	1	1	30	1	24	30	1	1	...
34 Other methods.....	2	2	35	...	...	35	2	2	...
35 Wisconsin.....	133	125	4,615	121	5,072	6,147	132	154	48
36 Sprinkler and combinations of sprinkler with other methods.....	130	123	4,312	118	4,767	5,842	129	149	47
37 Sprinkler only.....	127	120	4,195	117	4,765	5,724	126	146	46
38 Sprinkler and fixed overhead pipe only.....	2	2	17	1	2	18	2	2	1
39 Sprinkler in combination with other methods.....	1	1	100	...	...	100	1	1	...
40 Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	2	1	3	2	5	5	2	2	...
41 Fixed overhead pipe only.....	2	1	3	2	5	5	2	2	...
42 Other methods.....	1	1	300	1	300	300	1	3	1
43 Michigan.....	547	502	9,832	512	11,545	13,638	539	621	257
44 Sprinkler and combinations of sprinkler with other methods.....	535	492	9,532	503	11,216	13,273	532	614	252
45 Sprinkler only.....	526	483	9,283	494	10,954	12,989	524	597	245
46 Sprinkler and fixed overhead pipe only.....	4	4	161	4	170	170	4	11	4
47 Sprinkler and portable gated pipe only.....	1	1	2	1	2	4	...	...	1
48 Sprinkler and ditch only.....	1	1	1	1	1	1	1	2	...
49 Sprinkler and flooding only.....	1	1	10	1	13	15	1	2	1
50 Sprinkler in combination with other methods.....	2	2	75	2	76	94	2	2	1
51 Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	6	4	92	4	155	162	4	4	2
52 Fixed overhead pipe only.....	5	3	88	3	150	157	3	3	2
53 Combinations of fixed overhead pipe and other methods (except sprinkler).....	1	1	4	1	5	5	1	1	...
54 Other methods.....	6	6	208	5	174	203	3	3	3

IRRIGATION IN HUMID AREAS

FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS, BY METHOD OF APPLYING WATER, BY STATES: 1955—Continued

reporting irrigation beginning in 1946 or later. See text]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells				
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	
932,641	4,145	180	225	729,121	3,241	140	11	13,280	1,207	2.56	132	190,240	1,441	36.63	1
872,983	4,137	171	211	685,793	3,250	134	10	13,200	1,320	2.58	126	173,990	1,381	34.02	2
804,746	4,024	165	200	647,853	3,239	133	7	6,100	871	1.25	117	150,793	1,289	31.00	3
56,037	7,005	232	8	33,115	4,139	137	1	3,000	3,000	12.40	6	19,922	3,320	82.32	4
2,950	2,950	1,475	1	2,000	2,000	1,000	1	100	100	50.00	1	850	850	425.00	5
8,500	8,500	2,125	1	2,500	2,500	625	1	4,000	4,000	1,000.00	1	2,000	2,000	500.00	6
750	750	750	1	325	325	325	...	...	...	...	1	425	425	425.00	7
56,958	5,178	890	11	41,678	3,789	651	1	80	80	1.25	5	15,200	3,040	237.50	8
56,958	5,178	890	11	41,678	3,789	651	1	80	80	1.25	5	15,200	3,040	237.50	9
1,200	1,200	200	1	1,200	1,200	200	...	...	...	...	...	...	...	...	10
1,200	1,200	200	1	1,200	1,200	200	...	...	...	...	...	...	...	...	11
1,500	750	167	2	450	225	50	...	...	...	...	1	1,050	1,050	116.67	12
763,815	6,365	105	120	643,216	5,360	88	4	5,550	1,388	0.76	73	115,049	1,576	15.80	13
743,165	6,577	104	113	629,016	5,567	88	2	2,500	1,250	0.35	69	111,649	1,618	15.69	14
542,665	4,889	110	111	481,016	4,333	98	1	500	500	0.10	67	61,149	913	12.42	15
14,500	14,500	91	1	12,000	12,000	75	1	2,000	2,000	12.50	1	500	500	3.12	16
186,000	186,000	91	1	136,000	136,000	67	...	...	...	...	1	50,000	50,000	24.58	17
3,950	1,975	494	2	3,800	1,900	475	...	...	...	...	1	150	150	18.75	18
3,950	1,975	494	2	3,800	1,900	475	...	...	...	...	1	150	150	18.75	19
5,500	5,500	177	1	5,500	5,500	177	...	...	...	...	...	...	...	...	20
5,500	5,500	177	1	5,500	5,500	177	...	...	...	...	...	...	...	...	21
10,000	3,333	80	3	3,900	1,300	31	2	3,050	1,525	24.40	2	3,050	1,525	24.40	22
10,000	3,333	80	3	3,900	1,300	31	2	3,050	1,525	24.40	2	3,050	1,525	24.40	23
1,200	1,200	1,200	1	1,000	1,000	1,000	...	...	...	...	1	200	200	200.00	24
274,312	4,156	195	66	227,311	3,444	162	3	400	133	0.28	37	46,601	1,259	33.19	25
268,222	4,625	203	58	221,741	3,823	168	1	300	300	0.23	34	46,181	1,358	35.01	26
230,605	4,193	184	55	188,541	3,428	150	...	...	...	...	32	42,064	1,314	33.52	27
37,617	12,539	588	3	33,200	11,067	519	1	300	300	4.69	2	4,117	2,058	64.33	28
1,100	1,100	220	1	1,100	1,100	220	...	...	...	...	...	...	...	...	29
1,100	1,100	220	1	1,100	1,100	220	...	...	...	...	...	...	...	...	30
2,990	748	199	4	2,470	618	165	2	100	50	6.67	3	420	140	28.00	31
2,990	748	199	4	2,470	618	165	2	100	50	6.67	3	420	140	28.00	32
1,300	1,300	43	1	1,300	1,300	43	...	...	...	...	...	...	...	...	33
700	350	20	2	700	350	20	...	...	...	...	...	...	...	...	34
702,669	5,283	152	133	626,048	4,707	136	8	5,410	676	1.17	68	71,211	1,047	15.43	35
670,169	5,155	155	130	596,348	4,587	138	7	5,210	744	1.21	66	68,611	1,040	15.91	36
658,779	5,187	157	127	585,248	4,608	140	6	5,080	847	1.21	65	68,451	1,053	16.32	37
1,390	695	82	2	1,100	550	65	1	130	130	7.65	1	160	160	9.41	38
10,000	10,000	100	1	10,000	10,000	100	...	...	...	...	...	...	...	...	39
5,900	2,950	1,967	2	4,700	2,350	1,567	1	200	200	66.67	1	1,000	1,000	333.33	40
5,900	2,950	1,967	2	4,700	2,350	1,567	1	200	200	66.67	1	1,000	1,000	333.33	41
26,600	26,600	89	1	25,000	25,000	83	...	...	...	...	1	1,600	1,600	5.33	42
2,243,235	4,101	228	545	1,921,974	3,527	195	43	41,196	958	4.19	329	280,065	851	28.49	43
2,164,670	4,046	227	535	1,867,504	3,491	196	39	35,996	923	3.78	324	261,170	806	27.40	44
2,114,870	4,021	228	526	1,826,304	3,472	197	36	35,051	974	3.78	316	253,515	802	27.31	45
35,910	8,978	223	4	30,100	7,525	187	...	...	...	...	4	5,810	1,452	36.09	46
2,290	2,290	1,145	1	2,000	2,000	1,000	1	145	145	72.50	1	145	145	72.50	47
1,100	1,100	1,100	1	400	400	400	1	600	600	600.00	1	100	100	100.00	48
2,950	2,950	295	1	2,500	2,500	250	1	200	200	20.00	1	250	250	25.00	49
7,550	3,775	101	2	6,200	3,100	83	...	...	...	...	1	1,350	1,350	18.00	50
54,365	9,061	591	6	51,120	8,520	556	2	2,300	1,150	25.00	2	945	472	10.27	51
54,045	10,809	614	5	50,800	10,160	577	2	2,300	1,150	26.14	2	945	472	10.74	52
320	320	80	1	320	320	80	...	...	...	...	...	...	...	...	53
24,200	4,033	116	4	3,350	838	16	2	2,900	1,450	13.94	3	17,950	5,983	86.30	54

IRRIGATION IN HUMID AREAS

Table 8.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION SYSTEMS.

[Data on cost of irrigation systems were reported only for farms

Method of applying water (see text)	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
1 Minnesota.....	94	90	2,719	81	2,509	3,392	93	108	8
2 Sprinkler and combinations of sprinkler with other methods.....	89	85	2,710	76	2,500	3,383	89	104	8
3 Sprinkler only.....	88	84	2,709	75	2,499	3,382	88	103	8
4 Sprinkler and fixed overhead pipe only.....	1	1	1	1	1	1	1	1	...
5 Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	3	3	6	3	6	6	3	3	...
6 Fixed overhead pipe only.....	3	3	6	3	6	6	3	3	...
7 Other methods.....	2	2	3	2	3	3	1	1	...
8 Iowa.....	21	20	576	20	727	820	20	23	8
9 Sprinkler and combinations of sprinkler with other methods.....	20	20	576	19	713	820	19	22	8
10 Sprinkler only.....	19	19	569	18	689	796	18	20	7
11 Sprinkler and flooding only.....	1	1	7	1	24	24	1	2	1
12 Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	1	...	...	1	14	...	1	1	...
13 Fixed overhead pipe only.....	1	...	...	1	14	...	1	1	...
14 Missouri.....	280	271	15,528	206	9,818	17,340	264	320	50
15 Sprinkler and combinations of sprinkler with other methods.....	232	225	13,002	170	7,854	14,512	226	270	40
16 Sprinkler only.....	223	216	12,536	161	7,321	13,903	218	256	39
17 Sprinkler and fixed overhead pipe only.....	3	3	68	3	96	96	2	3	1
18 Sprinkler and portable gated pipe only.....	1	1	9	1	58	58	1	3	...
19 Sprinkler and ditch only.....	2	2	67	2	71	76	2	3	...
20 Sprinkler and flooding only.....	3	3	322	3	308	379	3	5	...
21 Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	10	10	122	9	118	119	5	6	3
22 Fixed overhead pipe only.....	9	9	119	8	115	116	4	5	2
23 Combinations of fixed overhead pipe and other methods (except sprinkler).....	1	1	3	1	3	3	1	1	1
24 Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	19	18	913	14	801	1,097	17	22	4
25 Ditches only.....	10	9	187	8	195	260	8	10	3
26 Ditches and flooding.....	8	8	725	5	605	835	8	11	...
27 Combinations of ditches with other methods.....	1	1	1	1	1	2	1	1	1
28 Flooding and combination of flooding with other methods.....	14	14	1,484	9	1,039	1,604	13	19	2
29 Other methods.....	5	4	7	4	6	8	3	3	1
30 Delaware.....	33	32	2,600	31	3,187	3,359	33	39	21
31 Sprinkler and combinations of sprinkler with other methods.....	33	32	2,600	31	3,187	3,359	33	39	21
32 Sprinkler only.....	32	31	2,420	30	2,977	3,149	32	37	20
33 Sprinkler and portable gated pipe only.....	1	1	180	1	210	210	1	2	1
34 Maryland.....	101	93	5,328	92	6,157	7,068	100	119	58
35 Sprinkler and combinations of sprinkler with other methods.....	96	88	5,295	88	6,139	7,035	96	115	57
36 Sprinkler only.....	95	87	4,695	87	5,339	6,235	95	106	56
37 Sprinkler in combination with other methods.....	1	1	600	1	800	800	1	9	1
38 Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	1	1	6	1	6	6	1	1	...
39 Fixed overhead pipe only.....	1	1	6	1	6	6	1	1	...
40 Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	1	1	13	...	...	13	1	1	1
41 Ditches only.....	1	1	13	...	...	13	1	1	1
42 Flooding and combination of flooding with other methods.....	1	1	10	1	10	10	...	...	...
43 Other methods.....	2	2	4	2	2	4	2	2	...
44 Virginia.....	297	284	11,793	255	9,042	13,219	294	325	192
45 Sprinkler and combinations of sprinkler with other methods.....	285	272	11,554	245	8,753	12,845	284	311	185
46 Sprinkler only.....	281	268	11,504	241	8,625	12,702	280	304	181
47 Sprinkler and fixed overhead pipe only.....	4	4	50	4	128	143	4	7	4
48 Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	5	5	18	5	17	20	5	7	3
49 Fixed overhead pipe only.....	5	5	18	5	17	20	5	7	3
50 Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	4	4	11	3	7	9	2	2	1
51 Ditches only.....	4	4	11	3	7	9	2	2	1
52 Flooding and combination of flooding with other methods.....	1	1	65	...	...	65	1	1	1
53 Other methods.....	2	2	145	2	265	280	2	4	2

IRRIGATION IN HUMID AREAS

FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS, BY METHOD OF APPLYING WATER, BY STATES: 1955—Continued

reporting irrigation beginning in 1946 or later. See text.]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells				
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	
520,844	5,541	192	94	454,455	4,835	167	6	5,533	922	2.03	44	60,856	1,383	22.38	1
517,717	5,817	191	89	451,663	5,075	167	6	5,533	922	2.04	40	60,521	1,513	22.33	2
517,417	5,880	191	88	451,363	5,129	167	6	5,533	922	2.04	40	60,521	1,513	22.34	3
300	300	300	1	300	300	300	...	...	...	...	...	...	...	...	4
2,237	746	373	3	1,942	647	324	...	...	...	...	3	295	98	49.17	5
2,237	746	373	3	1,942	647	324	...	...	...	...	3	295	98	49.17	6
890	445	297	2	850	425	283	...	...	...	...	1	40	40	13.33	7
83,107	3,957	144	21	71,047	3,383	123	2	790	395	1.37	12	11,270	939	19.57	8
70,387	3,519	122	20	60,087	3,004	104	2	790	395	1.37	11	9,510	865	16.51	9
66,487	3,499	117	19	58,587	3,084	103	1	90	90	0.16	10	7,810	781	13.73	10
3,900	3,900	557	1	1,500	1,500	214	1	700	700	100.00	1	1,700	1,700	242.86	11
12,720	12,720	...	1	10,960	10,960	...	...	...	...	...	1	1,760	1,760	...	12
12,720	12,720	...	1	10,960	10,960	...	...	...	...	...	1	1,760	1,760	...	13
1,318,692	4,710	85	278	1,105,366	3,976	71	39	35,111	900	2.26	98	178,215	1,819	11.48	14
1,174,283	5,062	90	232	1,000,486	4,312	77	16	17,540	1,096	1.35	77	156,257	2,029	12.02	15
1,118,173	5,014	89	223	957,736	4,295	76	10	15,030	1,503	1.20	71	145,407	2,048	11.60	16
18,400	6,133	271	3	14,500	4,833	213	1	600	600	8.82	2	3,300	1,650	48.53	17
16,000	16,000	1,778	1	13,000	13,000	1,444	1	100	100	11.11	1	2,900	2,900	322.22	18
5,110	2,555	76	2	5,000	2,500	75	2	110	55	1.64	...	...	...	...	19
16,600	5,533	52	3	10,250	3,417	32	2	1,700	850	5.28	3	4,650	1,550	14.44	20
47,900	4,790	393	10	39,500	3,950	324	3	850	283	6.97	4	7,550	1,888	61.89	21
47,200	5,244	397	9	39,250	4,361	330	2	800	400	6.72	3	7,150	2,383	60.08	22
700	700	233	1	250	250	83	1	50	50	16.67	1	400	400	133.33	23
31,969	1,683	35	18	19,515	1,084	21	12	6,851	571	7.50	8	5,603	700	6.14	24
13,429	1,343	72	9	7,885	876	42	6	2,366	394	12.65	4	3,178	794	16.99	25
18,175	2,272	25	8	11,555	1,444	16	5	4,470	894	6.17	3	2,150	717	2.97	26
365	365	365	1	75	75	75	1	15	15	15.00	1	275	275	275.00	27
57,300	4,093	39	14	41,515	2,965	28	7	7,370	1,053	4.97	7	8,415	1,202	5.67	28
7,240	1,448	1,034	4	4,350	1,088	621	1	2,500	2,500	357.14	2	390	195	55.71	29
356,853	10,814	137	33	298,567	9,047	115	3	2,500	833	0.96	24	55,786	2,324	21.46	30
356,853	10,814	137	33	298,567	9,047	115	3	2,500	833	0.96	24	55,786	2,324	21.46	31
337,853	10,558	140	32	282,067	8,815	117	3	2,500	833	1.03	23	53,286	2,317	22.02	32
19,000	19,000	106	1	16,500	16,500	92	...	...	...	...	1	2,500	2,500	13.89	33
687,578	6,808	129	100	534,795	5,348	100	9	8,025	892	1.51	66	144,758	2,193	27.17	34
675,478	7,036	128	96	525,695	5,476	99	8	7,425	928	1.40	63	142,358	2,260	26.89	35
559,227	5,887	119	95	472,444	4,973	101	8	7,425	928	1.58	62	79,358	1,280	16.90	36
116,251	116,251	194	1	53,251	53,251	89	...	...	...	...	1	63,000	6,300	105.00	37
6,500	6,500	1,083	1	5,000	5,000	833	...	...	...	...	1	1,500	1,500	250.00	38
6,500	6,500	1,083	1	5,000	5,000	833	...	...	...	...	1	1,500	1,500	250.00	39
4,900	4,900	377	1	3,600	3,600	277	1	600	600	46.15	1	700	700	53.85	40
4,900	4,900	377	1	3,600	3,600	277	1	600	600	46.15	1	700	700	53.85	41
200	200	20	...	...	...	...	...	...	...	...	1	200	200	20.00	42
500	250	125	2	500	250	125	...	...	...	...	...	...	...	...	43
1,812,422	6,102	154	296	1,337,113	4,517	113	19	21,420	1,127	1.82	202	453,889	2,247	38.49	44
1,776,982	6,235	154	285	1,315,083	4,614	114	15	19,680	1,312	1.70	194	442,219	2,279	38.27	45
1,741,292	6,197	151	281	1,292,983	4,601	112	15	19,680	1,312	1.71	190	428,629	2,256	37.26	46
35,690	8,922	714	4	22,100	5,525	442	...	...	...	...	4	13,590	3,398	271.80	47
9,350	1,870	519	5	7,500	1,500	417	...	...	...	...	4	1,850	462	102.78	48
9,350	1,870	519	5	7,500	1,500	417	...	...	...	...	4	1,850	462	102.78	49
350	88	32	3	290	97	26	2	40	20	3.64	1	20	20	1.82	50
350	88	32	3	290	97	26	2	40	20	3.64	1	20	20	1.82	51
1,600	1,600	25	1	200	200	3	1	700	700	10.77	1	700	700	10.77	52
24,140	12,070	166	2	14,040	7,020	97	1	1,000	1,000	6.90	2	9,100	4,550	62.76	53

IRRIGATION IN HUMID AREAS

Table 8.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION SYSTEMS.

[Data on cost of irrigation systems were reported only for farms

Method of applying water (see text)	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
1 West Virginia.....	16	16	736	15	671	777	15	17	5
2 Sprinkler and combinations of sprinkler with other methods.....	14	14	728	13	663	769	14	16	4
3 Sprinkler only.....	14	14	728	13	663	769	14	16	4
4 Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	1	1	5	1	5	5	1	1	...
5 Fixed overhead pipe only.....	1	1	5	1	5	5	1	1	...
6 Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	1	1	3	1	3	3	...	...	1
7 Ditches only.....	1	1	3	1	3	3	...	...	1
8 North Carolina.....	799	781	15,391	672	12,123	17,920	793	882	588
9 Sprinkler and combinations of sprinkler with other methods.....	778	762	15,234	660	11,983	17,709	776	862	582
10 Sprinkler only.....	760	744	14,427	646	11,382	16,850	758	832	568
11 Sprinkler and fixed overhead pipe only.....	7	7	55	5	44	60	7	8	5
12 Sprinkler and portable gated pipe only.....	6	6	347	4	130	317	6	7	4
13 Sprinkler and ditch only.....	4	4	385	4	417	432	4	12	4
14 Sprinkler in combination with other methods.....	1	1	20	1	10	50	1	3	1
15 Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	7	6	38	6	63	84	6	9	4
16 Fixed overhead pipe only.....	7	6	38	6	63	84	6	9	4
17 Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	1	1	5	1	1	5	1	1	...
18 Portable gated pipe only.....	1	1	5	1	1	5	1	1	...
19 Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	5	4	25	2	17	25	2	2	...
20 Ditches only.....	4	3	13	1	5	13	1	1	...
21 Ditches and flooding.....	1	1	12	1	12	12	1	1	...
22 Flooding and combination of flooding with other methods.....	3	3	13	...	...	16	3	3	1
23 Other methods.....	4	4	58	3	59	63	4	4	1
24 Method not reported.....	1	1	18	...	...	18	1	1	...
25 South Carolina.....	234	223	10,180	183	6,956	11,848	229	279	187
26 Sprinkler and combinations of sprinkler with other methods.....	219	208	9,316	170	6,388	10,858	218	264	176
27 Sprinkler only.....	215	204	9,283	167	6,374	10,824	214	258	172
28 Sprinkler and fixed overhead pipe only.....	1	1	8	1	8	8	1	2	1
29 Sprinkler and ditch only.....	2	2	2	2	22	22	2	2	2
30 Sprinkler in combination with other methods.....	1	1	3	1	4	4	1	2	1
31 Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	4	4	84	4	89	94	4	5	3
32 Fixed overhead pipe only.....	4	4	84	4	89	94	4	5	3
33 Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	2	2	124	2	111	140	2	4	1
34 Portable gated pipe only.....	2	2	124	2	111	140	2	4	1
35 Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	6	6	433	5	262	533	3	4	4
36 Ditches and flooding.....	6	6	433	5	262	533	3	4	4
37 Flooding and combination of flooding with other methods.....	1	1	100	...	...	100	...	...	1
38 Other methods.....	2	2	123	2	106	123	2	2	2
39 Georgia.....	408	381	12,679	370	12,907	16,197	402	478	320
40 Sprinkler and combinations of sprinkler with other methods.....	387	362	12,544	353	12,765	16,027	387	461	311
41 Sprinkler only.....	376	353	12,206	343	12,370	15,592	376	440	301
42 Sprinkler and fixed overhead pipe only.....	5	4	109	4	125	142	5	13	4
43 Sprinkler and ditch only.....	6	5	229	6	270	293	6	8	6
44 Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	6	5	62	6	78	84	5	7	2
45 Fixed overhead pipe only.....	5	4	61	5	76	82	5	7	2
46 Combinations of fixed overhead pipe and other methods (except sprinkler).....	1	1	1	1	2	2	...	...	...
47 Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	10	9	58	7	51	71	6	6	5
48 Ditches only.....	7	6	28	5	25	40	4	4	3
49 Ditches and flooding.....	3	3	30	2	26	31	2	2	2
50 Flooding and combination of flooding with other methods.....	4	4	13	4	13	13	3	3	2
51 Other methods.....	1	1	2	...	...	2	1	1	...

IRRIGATION IN HUMID AREAS

FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS, BY METHOD OF APPLYING WATER, BY STATES: 1955—Continued

reporting irrigation beginning in 1946 or later. See text]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells				
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	
89,590	5,599	122	16	67,490	4,218	92	1	200	200	0.27	5	21,900	4,380	29.76	1
86,490	6,178	119	14	64,990	4,642	89	...	...	...	...	4	21,500	5,375	29.53	2
86,490	6,178	119	14	64,990	4,642	89	...	...	...	...	4	21,500	5,375	29.53	3
2,000	2,000	400	1	2,000	2,000	400	...	...	...	...	...	...	...	...	4
2,000	2,000	400	1	2,000	2,000	400	...	...	...	...	...	...	...	...	5
1,100	1,100	367	1	500	500	167	1	200	200	66.67	1	400	400	133.33	6
1,100	1,100	367	1	500	500	167	1	200	200	66.67	1	400	400	133.33	7
3,988,395	4,992	259	796	2,832,441	3,558	184	59	37,676	639	2.45	613	1,118,278	1,824	72.66	8
3,917,540	5,035	257	778	2,767,606	3,557	182	52	35,936	691	2.36	606	1,113,998	1,838	73.13	9
3,783,988	4,979	262	760	2,674,346	3,519	185	47	30,156	642	2.09	590	1,079,486	1,830	74.82	10
26,750	3,821	486	7	17,020	2,431	309	1	680	680	12.36	7	9,050	1,293	164.55	11
47,302	7,884	136	6	31,740	5,290	91	...	...	...	...	4	15,562	3,890	44.55	12
56,400	14,100	146	4	41,500	10,375	108	4	5,100	1,275	13.25	4	9,800	2,450	25.45	13
3,100	3,100	155	1	3,000	3,000	150	...	...	...	...	1	100	100	5.00	14
47,875	6,839	1,260	7	44,250	6,321	1,164	2	575	288	15.13	4	3,050	762	80.26	15
47,875	6,839	1,260	7	44,250	6,321	1,164	2	575	288	15.13	4	3,050	762	80.26	16
200	200	40	1	200	200	40	...	...	...	...	...	...	...	...	17
200	200	40	1	200	200	40	...	...	...	...	...	...	...	...	18
845	169	34	2	770	385	31	4	65	16	2.60	1	10	10	0.40	19
65	16	5	1	20	20	2	3	35	12	2.69	1	10	10	0.77	20
780	780	65	1	750	750	62	1	30	30	2.50	...	...	...	...	21
670	223	52	3	650	217	50	...	...	...	...	1	20	20	1.54	22
14,065	3,516	242	4	11,765	2,941	203	1	1,100	1,100	18.97	1	1,200	1,200	20.69	23
7,200	7,200	400	1	7,200	7,200	400	...	...	...	...	...	...	...	...	24
1,576,599	6,738	155	232	1,059,966	4,569	104	29	34,167	1,178	3.36	194	482,466	2,487	47.39	25
1,494,929	6,826	160	219	1,017,896	4,648	109	22	20,137	915	2.16	182	456,896	2,510	49.04	26
1,482,104	6,804	160	215	1,009,971	4,698	109	19	19,837	1,044	2.14	178	452,296	2,541	48.72	27
6,200	6,200	775	1	5,000	5,000	625	...	...	...	...	1	1,200	1,200	150.00	28
3,375	1,788	162	2	2,125	1,062	97	...	250	125	11.36	2	1,200	600	54.55	29
3,050	3,050	1,017	1	800	800	267	1	50	50	16.67	1	2,200	2,200	733.33	30
24,250	6,062	289	4	16,100	4,025	192	2	900	450	10.71	4	7,250	1,812	86.31	31
24,250	6,062	289	4	16,100	4,025	192	2	900	450	10.71	4	7,250	1,812	86.31	32
24,100	12,050	194	2	11,000	5,500	89	2	7,100	3,550	57.26	1	6,000	6,000	48.39	33
24,100	12,050	194	2	11,000	5,500	89	2	7,100	3,550	57.26	1	6,000	6,000	48.39	34
12,370	2,095	29	5	3,920	784	9	2	5,030	2,515	11.62	4	3,620	905	8.36	35
12,370	2,095	29	5	3,920	784	9	2	5,030	2,515	11.62	4	3,620	905	8.36	36
6,000	6,000	60	...	...	...	...	1	1,000	1,000	10.00	1	5,000	5,000	50.00	37
14,750	7,375	120	2	11,050	5,525	90	...	...	...	...	2	3,700	1,850	30.08	38
2,044,255	7,216	232	403	1,970,929	4,891	155	36	32,001	889	2.52	339	941,325	2,777	74.24	39
2,857,660	7,384	228	386	1,910,019	4,948	152	26	26,926	1,036	2.15	325	920,715	2,833	73.40	40
2,755,681	7,329	226	375	1,845,625	4,922	151	19	20,251	1,066	1.66	315	889,805	2,825	72.90	41
57,400	11,480	527	5	43,500	8,700	399	1	1,200	1,200	11.01	4	12,700	3,175	116.51	42
44,579	7,430	195	6	20,894	3,482	91	6	5,475	912	23.91	6	18,210	3,035	79.52	43
75,385	12,564	1,216	6	55,800	9,300	900	2	4,500	2,250	72.58	5	15,085	3,017	243.31	44
74,585	14,917	1,223	5	55,000	11,000	902	2	4,500	2,250	73.77	5	15,085	3,017	247.30	45
800	800	800	1	800	800	800	...	...	...	...	...	...	...	...	46
7,200	720	124	7	3,250	464	56	7	500	71	8.62	5	3,450	690	59.48	47
3,325	475	119	5	2,050	410	73	4	125	31	4.46	3	1,150	383	41.07	48
3,875	1,292	129	2	1,200	600	40	3	375	125	12.50	2	2,300	1,150	76.67	49
3,010	752	232	3	1,360	453	105	1	75	75	5.77	3	1,575	525	121.15	50
1,000	1,000	500	1	500	500	250	...	...	...	...	1	500	500	250.00	51

IRRIGATION IN HUMID AREAS

Table 8.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION SYSTEMS,

[Data on cost of irrigation systems were reported only for farms

Method of applying water (see text)	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
1 Kentucky.....	376	366	8,341	246	4,221	9,443	371	399	122
2 Sprinkler and combinations of sprinkler with other methods.....	364	355	8,290	236	4,164	9,386	359	384	118
3 Sprinkler only.....	360	351	8,188	234	4,138	9,264	355	380	116
4 Sprinkler and fixed overhead pipe only.....	3	3	64	1	12	84	3	3	1
5 Sprinkler and portable gated pipe only.....	1	1	38	1	14	38	1	1	1
6 Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	3	3	15	3	18	18	3	5	2
7 Fixed overhead pipe only.....	3	3	15	3	18	18	3	5	2
8 Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	4	4	29	3	28	27	4	5	1
9 Portable gated pipe only.....	3	3	23	2	20	22	3	3	1
10 Portable gated pipe and ditches.....	1	1	6	1	8	5	1	2	...
11 Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	2	2	2	1	1	2	2	2	1
12 Ditches only.....	2	2	2	1	1	2	2	2	1
13 Flooding and combination of flooding with other methods.....	1	1	3	1	3	3	1	1	...
14 Other methods.....	1	1	2	1	2	2	1	1	...
15 Method not reported.....	1	...	...	1	5	5	1	1	...
16 Tennessee.....	366	342	12,044	294	8,605	14,415	360	393	97
17 Sprinkler and combinations of sprinkler with other methods.....	343	321	11,696	283	8,300	13,878	339	369	95
18 Sprinkler only.....	337	316	10,896	278	7,685	13,022	333	357	92
19 Sprinkler and fixed overhead pipe only.....	2	1	184	1	220	240	2	4	2
20 Sprinkler and portable gated pipe only.....	3	3	416	3	195	416	3	6	...
21 Sprinkler in combination with other methods.....	1	1	200	1	200	200	1	2	1
22 Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	4	2	127	4	291	312	4	4	...
23 Fixed overhead pipe only.....	4	2	127	4	291	312	4	4	...
24 Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	1	1	3	...	...	3	1	1	...
25 Portable gated pipe only.....	1	1	3	...	...	3	1	1	...
26 Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	15	15	212	6	13	216	14	16	2
27 Ditches only.....	15	15	212	6	13	216	14	16	2
28 Flooding and combination of flooding with other methods.....	1	1	3	...	...	3	1	1	...
29 Other methods.....	2	2	3	1	1	3	1	2	...
30 Alabama.....	156	151	7,839	129	6,410	9,884	155	197	61
31 Sprinkler and combinations of sprinkler with other methods.....	141	136	7,659	121	6,320	9,695	141	179	56
32 Sprinkler only.....	129	124	7,230	109	5,552	8,915	129	160	49
33 Sprinkler and fixed overhead pipe only.....	4	4	57	4	55	67	4	7	2
34 Sprinkler and portable gated pipe only.....	3	3	229	3	455	455	3	5	3
35 Sprinkler and ditch only.....	2	2	85	2	170	170	2	4	...
36 Sprinkler and flooding only.....	2	2	44	2	74	74	2	2	2
37 Sprinkler in combination with other methods.....	1	1	14	1	14	14	1	1	...
38 Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	3	3	28	3	41	41	3	3	...
39 Fixed overhead pipe only.....	3	3	28	3	41	41	3	3	...
40 Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	9	9	136	4	47	132	8	11	5
41 Ditches only.....	6	6	61	2	6	57	5	6	3
42 Ditches and flooding.....	3	3	75	2	41	75	3	5	2
43 Flooding and combination of flooding with other methods.....	1	1	10	...	...	10	1	1	...
44 Other methods.....	2	2	6	1	2	6	2	3	...
45 Mississippi.....	374	366	55,871	279	44,993	65,596	360	675	114
46 Sprinkler and combinations of sprinkler with other methods.....	163	158	22,004	126	19,328	27,493	163	329	62
47 Sprinkler only.....	103	100	7,518	74	5,847	9,579	103	144	44
48 Sprinkler and fixed overhead pipe only.....	2	1	12	1	14	39	2	3	1
49 Sprinkler and portable gated pipe only.....	25	25	4,165	24	4,495	5,309	25	59	8
50 Sprinkler and ditch only.....	17	16	6,047	13	5,078	6,941	17	74	6
51 Sprinkler and flooding only.....	16	16	4,262	14	3,894	5,625	16	49	3
52 Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	1	1	40	1	120	120	1	3	...
53 Fixed overhead pipe only.....	1	1	40	1	120	120	1	3	...
54 Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	43	41	8,016	35	6,706	9,795	43	90	15
55 Portable gated pipe only.....	17	16	1,600	11	768	1,775	17	23	3
56 Portable gated pipe and ditches.....	15	15	3,276	13	2,741	3,955	15	36	6
57 Portable gated pipe and flooding.....	11	10	3,140	11	3,197	4,065	11	31	6
58 Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	102	101	13,491	67	10,277	14,807	89	147	31
59 Ditches only.....	70	69	5,248	41	3,988	6,055	58	73	24
60 Ditches and flooding.....	32	32	8,243	26	6,289	8,752	31	74	7
61 Flooding and combination of flooding with other methods.....	62	62	12,307	48	8,522	13,339	61	102	6
62 Other methods.....	3	3	13	2	40	42	3	4	...

IRRIGATION IN HUMID AREAS

FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS, BY METHOD OF APPLYING WATER, BY STATES: 1955—Continued
reporting irrigation beginning in 1946 or later. See text.]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells				
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	
1,376,536	3,661	165	376	1,155,730	3,074	139	7	1,574	225	0.19	145	219,232	1,512	26.28	1
1,352,993	3,717	163	364	1,134,587	3,117	137	7	1,574	225	0.19	141	216,832	1,538	26.16	2
1,338,493	3,718	163	360	1,124,187	3,123	137	5	974	195	0.12	139	213,332	1,535	26.05	3
9,000	3,000	141	3	7,900	2,633	123	2	600	300	9.38	1	500	500	7.81	4
5,500	5,500	145	1	2,500	2,500	66	...	...	...	...	1	3,000	3,000	78.95	5
14,000	4,667	933	3	13,400	4,467	893	...	...	...	...	2	600	300	40.00	6
14,000	4,667	933	3	13,400	4,467	893	...	...	...	...	2	600	300	40.00	7
6,801	1,700	235	4	5,201	1,300	179	...	...	...	...	1	1,600	1,600	55.17	8
5,301	1,767	230	3	3,701	1,234	161	...	...	...	...	1	1,600	1,600	69.57	9
1,500	1,500	250	1	1,500	1,500	250	...	...	...	...	...	...	...	...	10
850	425	425	2	650	325	325	...	...	...	...	1	200	200	100.00	11
850	425	425	2	650	325	325	...	...	...	...	1	200	200	100.00	12
250	250	83	1	250	250	83	...	...	...	...	...	...	...	...	13
300	300	150	1	300	300	150	...	...	...	...	...	...	...	...	14
1,342	1,342	...	1	1,342	1,342	...	...	...	...	...	...	...	...	...	15
1,481,815	4,049	123	366	1,277,314	3,490	106	13	10,755	827	0.89	105	193,746	1,845	16.09	16
1,452,668	4,235	124	343	1,250,597	3,646	107	7	10,125	1,446	0.87	101	191,946	1,900	16.41	17
1,360,878	4,038	125	337	1,196,957	3,552	110	4	5,425	1,356	0.50	96	158,496	1,651	14.55	18
19,290	9,645	105	2	14,640	7,320	80	1	4,000	4,000	21.74	2	650	325	3.53	19
42,500	14,167	102	3	19,000	6,333	46	2	700	350	1.68	2	22,800	11,400	54.81	20
30,000	30,000	150	1	20,000	20,000	100	...	...	...	...	1	10,000	10,000	50.00	21
19,807	4,952	156	4	19,807	4,952	156	...	...	...	...	...	...	...	...	22
19,807	4,952	156	4	19,807	4,952	156	...	...	...	...	...	...	...	...	23
100	100	33	1	100	100	33	...	...	...	...	...	...	...	...	24
100	100	33	1	100	100	33	...	...	...	...	...	...	...	...	25
7,890	526	37	15	5,460	364	26	6	630	105	2.97	4	1,800	450	8.49	26
7,890	526	37	15	5,460	364	26	6	630	105	2.97	4	1,800	450	8.49	27
350	350	117	1	350	350	117	...	...	...	...	...	...	...	...	28
1,000	500	333	2	1,000	500	333	...	...	...	...	...	...	...	...	29
1,132,779	7,261	145	155	969,877	6,257	124	23	6,752	294	0.86	77	156,150	2,028	19.92	30
989,491	7,018	129	141	844,955	5,993	110	16	4,770	298	0.62	67	139,766	2,086	18.25	31
896,591	6,950	124	129	768,755	5,959	106	11	3,720	338	0.51	58	124,116	2,140	17.17	32
46,950	11,738	84	4	39,850	9,962	699	1	150	150	2.63	3	6,950	2,317	121.93	33
28,400	9,467	124	3	23,500	7,833	103	...	...	...	...	3	4,900	1,633	21.40	34
4,950	2,475	58	2	4,250	2,125	50	2	700	350	8.24	...	...	...	...	35
5,100	2,550	116	2	3,600	1,800	82	2	200	100	4.55	2	1,300	650	29.55	36
7,500	7,500	536	1	5,000	5,000	357	...	...	...	...	1	2,500	2,500	178.57	37
129,641	43,214	4,630	3	115,447	38,482	4,123	1	100	100	3.57	3	14,094	4,698	503.36	38
129,641	43,214	4,630	3	115,447	38,482	4,123	1	100	100	3.57	3	14,094	4,698	503.36	39
12,127	1,347	89	8	8,115	1,014	60	6	1,882	314	13.84	6	2,130	355	15.66	40
4,462	744	73	5	3,600	720	59	4	282	70	4.62	4	580	145	9.51	41
7,665	2,555	102	3	4,515	1,505	60	2	1,600	800	21.33	2	1,550	775	20.67	42
500	500	50	1	500	500	50	...	...	...	...	...	...	...	...	43
1,020	510	170	2	860	430	143	...	...	...	...	1	160	160	26.67	44
3,550,909	9,494	64	365	2,185,188	5,987	39	209	442,677	2,118	7.92	225	923,044	4,102	16.52	45
1,846,959	11,331	84	163	1,303,239	7,995	59	54	156,642	2,901	7.12	97	387,078	3,990	17.59	46
811,792	7,881	108	103	645,519	6,267	86	11	6,355	578	0.85	60	159,918	2,665	21.27	47
11,500	5,750	958	2	9,000	4,500	750	...	...	...	...	1	2,500	2,500	208.33	48
346,680	13,867	83	25	288,820	11,553	69	10	19,700	1,970	4.73	13	38,160	2,935	9.16	49
334,250	19,662	55	17	141,800	8,341	23	17	62,600	3,682	10.35	11	129,850	11,805	21.47	50
342,737	21,421	80	16	218,100	13,631	51	16	67,987	4,249	15.95	12	56,650	4,721	13.29	51
22,200	22,200	555	1	17,000	17,000	425	1	200	200	5.00	1	5,000	5,000	125.00	52
22,200	22,200	555	1	17,000	17,000	425	1	200	200	5.00	1	5,000	5,000	125.00	53
435,098	10,119	54	43	206,770	4,809	26	34	81,161	2,387	10.12	31	147,167	4,747	18.36	54
98,075	5,769	61	17	61,075	3,593	38	8	7,525	941	4.70	8	29,475	3,684	18.42	55
181,699	12,113	55	15	85,775	5,718	26	15	34,199	2,280	10.44	14	61,725	4,409	18.84	56
155,324	14,120	49	11	59,920	5,447	19	11	39,437	3,585	12.56	9	55,967	6,219	17.82	57
777,174	7,619	58	93	405,148	4,356	30	73	127,968	1,753	9.49	63	244,058	3,874	18.09	58
313,279	4,475	60	62	150,884	2,434	29	49	46,623	951	8.88	40	115,772	2,894	22.06	59
463,895	14,497	56	31	254,264	8,202	31	24	81,345	3,389	9.87	23	128,286	5,578	15.56	60
463,728	7,479	38	62	249,731	4,028	20	46	76,656	1,666	6.23	31	137,341	4,430	11.16	61
5,750	1,917	442	3	3,300	1,100	254	1	50	50	3.85	2	2,400	1,200	184.62	62