

Table 42. Discontinuance of All Irrigation by Reason: 2003 and 1998

[Excludes abnormal and horticultural specialty farms. For meaning of abbreviations and symbols, see introductory text]

Geographic area	Discontinued irrigation since previous census year				Reason for discontinuance ¹					
	Farms	Acres irrigated in previous census year ²	Farms reporting discontinuance to be permanent		Sufficient soil moisture		Shortage of surface water		Shortage of ground water	
			Farms	Acres irrigated in previous census year ²	Farms	Acres irrigated in previous census year ²	Farms	Acres irrigated in previous census year ²	Farms	Acres irrigated in previous census year ²
U.S. TOTAL 2003 1998	32,422 23,675	1,789,503 1,360,312	2,770 4,063	149,202 281,698	27,010 5,970	1,453,010 328,007	1,608 1,246	101,842 56,595	1,084 955	23,159 26,423
2003 DATA										
Alabama	579	28,510	75	3,729	534	27,368	13	25	-	-
Alaska	7	(D)	4	4	3	(D)	-	-	-	-
Arizona	473	13,159	-	-	367	8,492	6	1,212	81	1,935
Arkansas	503	57,143	106	6,909	479	47,218	-	-	-	-
California	2,250	111,397	4	4,640	1,846	62,966	-	-	-	-
Colorado	1,369	81,738	259	9,756	733	42,486	576	24,610	266	13,324
Connecticut	128	1,254	11	61	120	1,222	-	-	2	(D)
Delaware	143	23,279	1	(D)	126	21,162	-	-	-	-
Florida	1,596	63,630	283	9,526	1,302	53,434	-	-	-	-
Georgia	1,469	123,726	46	9,193	1,410	121,047	-	-	-	-
Hawaii	237	1,054	2	(D)	229	1,046	-	-	-	-
Idaho	138	40,864	-	-	129	30,380	1	(D)	-	-
Illinois	183	9,529	14	(D)	169	9,116	-	-	-	-
Indiana	563	28,208	41	785	483	27,243	-	-	-	-
Iowa	137	8,953	10	1,582	117	8,312	9	45	-	-
Kansas	471	87,189	4	6,812	344	67,833	36	4,320	74	1,036
Kentucky	1,926	16,198	105	434	1,834	15,578	14	35	-	-
Louisiana	414	58,458	27	7,719	353	43,215	-	-	-	-
Maine	119	1,993	2	(D)	84	1,817	-	-	-	-
Maryland	309	20,060	5	646	296	18,066	-	-	-	-
Massachusetts	160	1,966	63	188	97	1,871	-	-	32	(D)
Michigan	664	22,548	71	2,097	466	18,480	10	1,240	2	(D)
Minnesota	290	29,073	24	2,094	213	21,391	4	2,384	-	-
Mississippi	501	41,221	13	1,851	486	35,521	-	-	-	-
Missouri	651	36,958	112	967	570	32,058	4	1,560	4	1,560
Montana	1,154	64,116	65	4,290	692	50,298	235	8,988	163	815
Nebraska	211	43,188	82	19,434	119	41,900	19	11,666	-	-
Nevada	35	22,810	8	4,360	20	18,840	-	-	-	-
New Hampshire	90	225	12	33	74	206	5	14	5	14
New Jersey	444	12,121	35	472	413	11,075	-	-	-	-
New Mexico	655	64,646	-	-	431	39,928	171	22,840	5	1,570
New York	914	29,660	62	780	908	28,613	3	1,037	1	(D)
North Carolina	2,545	125,125	368	12,784	2,519	122,553	3	600	3	600
North Dakota	57	6,979	8	764	45	5,933	12	1,046	-	-
Ohio	626	10,057	118	439	550	(D)	-	-	-	-
Oklahoma	506	27,140	91	3,450	355	18,159	-	-	-	-
Oregon	725	43,629	11	2,640	347	38,127	14	(D)	-	-
Pennsylvania	826	12,674	9	351	772	12,335	9	105	3	45
Rhode Island	43	243	4	8	38	201	-	-	4	(D)
South Carolina	545	24,351	26	1,180	535	23,976	-	-	-	-
South Dakota	185	21,425	-	-	157	17,585	2	(D)	-	-
Tennessee	786	8,640	62	277	726	8,406	2	(D)	-	-
Texas	2,718	236,605	412	25,234	2,211	187,081	382	764	382	764
Utah	509	20,647	3	1,650	267	15,688	20	3,350	-	-
Vermont	72	395	5	(D)	71	375	-	-	-	-
Virginia	1,746	45,161	96	1,422	1,654	41,977	57	171	57	171
Washington	1,185	37,691	-	-	781	24,681	-	-	-	-
West Virginia	156	(D)	11	16	144	778	-	-	-	-
Wisconsin	270	8,746	-	-	253	8,729	-	-	-	-
Wyoming	139	13,765	-	-	138	10,265	1	(D)	-	-
Water Resources Areas										
WRA 01 New England	560	5,785	92	316	433	5,421	5	14	43	102
WRA 02 Mid-Atlantic	2,682	100,275	113	3,007	2,496	93,295	9	105	-	-
WRA 03 South Atlantic-Gulf	7,754	391,447	820	36,957	7,298	372,877	73	796	60	771
WRA 04 Great Lakes	1,548	48,933	92	2,200	1,312	41,282	13	2,277	3	1,237
WRA 05 Ohio	3,437	47,769	328	(D)	3,229	45,933	16	235	3	45
WRA 06 Tennessee	831	(D)	48	262	788	8,989	-	-	-	-
WRA 07 Upper Mississippi	1,000	51,530	94	1,116	855	43,157	13	1,605	4	1,560
WRA 08 Lower Mississippi	837	148,517	173	17,361	729	120,187	-	-	-	-
WRA 09 Souris-Red-Rainy	51	13,211	6	2,556	39	10,955	4	2,384	-	-
WRA 10 Missouri	2,181	204,474	262	34,155	1,411	160,659	357	32,400	290	7,151
WRA 11 Arkansas-White-Red	1,904	224,174	99	15,802	1,042	151,643	694	42,150	218	9,594
WRA 12 Texas-Gulf	2,891	169,623	407	10,364	2,393	141,489	382	(D)	382	764
WRA 13 Rio Grande	214	47,552	1	(D)	88	27,810	-	-	-	-
WRA 14 Upper Colorado	741	22,878	203	406	740	19,378	1	(D)	-	-
WRA 15 Lower Colorado	478	15,159	-	-	372	(D)	6	1,212	81	1,935
WRA 16 Great Basin	429	36,377	11	6,010	172	27,448	20	3,350	-	-
WRA 17 Pacific Northwest	2,377	134,829	11	2,640	1,522	102,633	15	11,050	-	-
WRA 18 California	2,263	116,197	4	4,640	1,859	67,766	-	-	-	-
WRA 19 Alaska	7	(D)	4	4	3	(D)	-	-	-	-
WRA 20 Hawaii	237	1,054	2	(D)	229	1,046	-	-	-	-

See footnote(s) at end of table.

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Table 42. Discontinuance of All Irrigation by Reason: 2003 and 1998 - Con.

[Excludes abnormal and horticultural specialty farms. For meaning of abbreviations and symbols, see introductory text]

Geographic area	Reason for discontinuance ¹ - con.							
	Irrigation is uneconomical		Land degradation (erosion, salinity, etc.)		Loss of water rights		Sold or leased water	
	Farms	Acres irrigated in previous census year ²	Farms	Acres irrigated in previous census year ²	Farms	Acres irrigated in previous census year ²	Farms	Acres irrigated in previous census year ²
U.S. TOTAL	2003 1,781	86,292	159	17,124	-	-	270	35,369
	1998 1,213	81,283	(NA)	(NA)	8	16	44	4,816
2003 DATA								
Alabama	48	1,163	-	-	-	-	-	-
Alaska	4	4	-	-	-	-	-	-
Arizona	37	2,510	-	-	-	-	-	-
Arkansas	19	3,420	-	-	-	-	-	-
California	397	16,440	-	-	-	-	49	23,471
Colorado	53	5,300	-	-	-	-	4	4,800
Connecticut	10	(D)	-	-	-	-	-	-
Delaware	2	(D)	-	-	-	-	-	-
Florida	358	10,993	-	-	-	-	-	-
Georgia	19	1,520	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-
Illinois	-	-	-	-	-	-	-	-
Indiana	21	736	-	-	-	-	-	-
Iowa	2	(D)	-	-	-	-	-	-
Kansas	-	-	-	-	-	-	-	-
Kentucky	14	133	-	-	-	-	-	-
Louisiana	-	-	2	(D)	-	-	-	-
Maine	1	(D)	-	-	-	-	-	-
Maryland	-	-	-	-	-	-	3	270
Massachusetts	-	-	-	-	-	-	-	-
Michigan	2	(D)	-	-	-	-	-	-
Minnesota	15	2,250	-	-	-	-	-	-
Mississippi	-	-	-	-	-	-	-	-
Missouri	9	864	-	-	-	-	-	-
Montana	64	3,200	-	-	-	-	-	-
Nebraska	-	-	-	-	-	-	-	-
Nevada	2	(D)	-	-	-	-	-	-
New Hampshire	3	3	-	-	-	-	-	-
New Jersey	-	-	-	-	-	-	-	-
New Mexico	72	4,158	5	1,570	-	-	-	-
New York	6	1,347	-	-	-	-	-	-
North Carolina	-	-	-	-	-	-	-	-
North Dakota	5	260	5	(D)	-	-	-	-
Ohio	-	-	-	-	-	-	-	-
Oklahoma	123	6,663	-	-	-	-	-	-
Oregon	-	-	-	-	-	-	-	-
Pennsylvania	-	-	-	-	-	-	-	-
Rhode Island	4	4	-	-	-	-	-	-
South Carolina	10	532	-	-	-	-	-	-
South Dakota	23	805	-	-	-	-	-	-
Tennessee	3	45	-	-	-	-	-	-
Texas	441	18,332	13	7,774	-	-	-	-
Utah	-	-	-	-	-	-	80	3,210
Vermont	-	-	-	-	-	-	-	-
Virginia	9	162	-	-	-	-	-	-
Washington	3	1,638	134	5,360	-	-	134	3,618
West Virginia	-	-	-	-	-	-	-	-
Wisconsin	2	(D)	-	-	-	-	-	-
Wyoming	-	-	-	-	-	-	-	-
Water Resources Areas								
WRA 01 New England	18	119	-	-	-	-	-	-
WRA 02 Mid-Atlantic	5	768	-	-	-	-	3	270
WRA 03 South Atlantic-Gulf	444	14,370	-	-	-	-	-	-
WRA 04 Great Lakes	5	1,317	-	-	-	-	-	-
WRA 05 Ohio	36	254	-	-	-	-	-	-
WRA 06 Tennessee	-	-	-	-	-	-	-	-
WRA 07 Upper Mississippi	12	1,460	-	-	-	-	-	-
WRA 08 Lower Mississippi	9	864	2	(D)	-	-	-	-
WRA 09 Souris-Red-Rainy	2	(D)	-	-	-	-	-	-
WRA 10 Missouri	88	7,675	5	(D)	-	-	4	4,800
WRA 11 Arkansas-White-Red	150	22,143	5	1,570	-	-	-	-
WRA 12 Texas-Gulf	433	6,272	13	7,774	-	-	-	-
WRA 13 Rio Grande	72	4,158	-	-	-	-	-	-
WRA 14 Upper Colorado	-	-	-	-	-	-	7	1,750
WRA 15 Lower Colorado	37	2,510	-	-	-	-	-	-
WRA 16 Great Basin	2	(D)	-	-	-	-	73	1,460
WRA 17 Pacific Northwest	67	4,838	134	5,360	-	-	134	3,618
WRA 18 California	397	16,440	-	-	-	-	49	23,471
WRA 19 Alaska	4	4	-	-	-	-	-	-
WRA 20 Hawaii	-	-	-	-	-	-	-	-

See footnote(s) at end of table.

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Table 42. Discontinuance of All Irrigation by Reason: 2003 and 1998 - Con.

[Excludes abnormal and horticultural specialty farms. For meaning of abbreviations and symbols, see introductory text]

Geographic area	Reason for discontinuance ¹ - con.							
	Converted to non-agricultural uses		Converted to agricultural enterprise that does not require irrigation		Available surface water too salty due to drought conditions		Other	
	Farms	Acres irrigated in previous census year ²	Farms	Acres irrigated in previous census year ²	Farms	Acres irrigated in previous census year ²	Farms	Acres irrigated in previous census year ²
U.S. TOTAL	68	3,611	2,380	150,615	190	13,214	16,375	934,355
1998	301	13,787	15,595	888,184	(NA)	(NA)	426	40,735
2003 DATA								
Alabama	6	84	29	762	-	-	307	11,877
Alaska	-	-	-	-	-	-	3	(D)
Arizona	-	-	-	-	-	-	367	8,492
Arkansas	-	-	-	-	-	-	401	28,379
California	-	-	8	18,520	104	10,400	1,796	52,966
Colorado	-	-	56	9,842	-	-	733	42,486
Connecticut	-	-	-	-	-	-	47	142
Delaware	-	-	15	2,015	-	-	42	2,203
Florida	-	-	40	5,820	-	-	1,052	43,734
Georgia	-	-	59	2,679	-	-	414	20,812
Hawaii	-	-	8	8	9	9	95	625
Idaho	-	-	8	4,384	-	-	129	30,380
Illinois	7	350	14	(D)	1	(D)	132	6,917
Indiana	19	19	42	927	-	-	378	18,917
Iowa	-	-	11	596	-	-	79	6,391
Kansas	-	-	16	10,600	-	-	344	67,833
Kentucky	-	-	78	585	16	160	511	2,886
Louisiana	12	1,560	47	11,523	-	-	223	28,347
Maine	-	-	34	116	-	-	38	291
Maryland	-	-	10	1,724	24	24	97	1,892
Massachusetts	-	-	31	31	-	-	65	323
Michigan	-	-	188	2,828	-	-	314	11,057
Minnesota	-	-	64	7,092	1	(D)	154	18,747
Mississippi	-	-	15	5,700	2	(D)	413	13,521
Missouri	-	-	68	2,476	-	-	419	25,652
Montana	-	-	163	1,630	-	-	529	47,038
Nebraska	-	-	92	1,288	-	-	119	41,900
Nevada	-	-	17	5,970	-	-	20	18,840
New Hampshire	5	14	13	(D)	-	-	45	129
New Jersey	-	-	32	384	-	-	98	976
New Mexico	5	1,570	-	-	-	-	431	39,928
New York	-	-	5	250	-	-	435	4,970
North Carolina	-	-	132	2,190	-	-	748	18,478
North Dakota	-	-	-	-	5	260	35	5,120
Ohio	14	14	67	2,778	-	-	217	1,511
Oklahoma	-	-	28	2,318	-	-	278	13,493
Oregon	-	-	367	2,202	-	-	336	35,487
Pennsylvania	-	-	51	324	2	(D)	115	1,989
Rhode Island	-	-	5	42	-	-	17	54
South Carolina	-	-	10	375	-	-	273	7,575
South Dakota	-	-	26	2,760	-	-	116	15,105
Tennessee	-	-	63	264	-	-	261	2,207
Texas	-	-	66	31,192	-	-	1,779	167,036
Utah	-	-	149	(D)	-	-	267	15,688
Vermont	-	-	1	(D)	-	-	55	189
Virginia	-	-	104	3,766	9	126	443	7,625
Washington	-	-	136	4,032	-	-	781	24,681
West Virginia	-	-	12	24	-	-	51	(D)
Wisconsin	-	-	-	-	17	17	235	8,313
Wyoming	-	-	-	-	-	-	138	10,265
Water Resources Areas								
WRA 01 New England	5	14	83	205	-	-	232	1,043
WRA 02 Mid-Atlantic	-	-	179	5,931	26	184	613	13,329
WRA 03 South Atlantic-Gulf	6	84	304	14,014	9	126	3,192	105,120
WRA 04 Great Lakes	-	-	227	5,678	-	-	843	17,524
WRA 05 Ohio	33	33	167	1,898	16	160	1,131	20,392
WRA 06 Tennessee	-	-	43	176	-	-	397	(D)
WRA 07 Upper Mississippi	7	350	88	6,332	18	(D)	637	36,548
WRA 08 Lower Mississippi	12	1,560	80	17,241	2	(D)	473	72,571
WRA 09 Souris-Red-Rainy	-	-	12	2,816	1	(D)	28	9,504
WRA 10 Missouri	-	-	349	16,495	5	260	1,324	155,868
WRA 11 Arkansas-White-Red	5	1,570	36	7,118	-	-	917	135,649
WRA 12 Texas-Gulf	-	-	65	21,862	-	-	1,961	121,444
WRA 13 Rio Grande	-	-	54	15,584	-	-	88	27,810
WRA 14 Upper Colorado	-	-	-	-	-	-	740	19,378
WRA 15 Lower Colorado	-	-	-	-	-	-	372	10,492
WRA 16 Great Basin	-	-	166	6,119	-	-	172	27,448
WRA 17 Pacific Northwest	-	-	511	10,618	-	-	1,348	96,733
WRA 18 California	-	-	8	18,520	104	10,400	1,809	57,766
WRA 19 Alaska	-	-	-	-	-	-	3	(D)
WRA 20 Hawaii	-	-	8	8	9	9	95	625

¹ Respondents could choose more than one reason for not irrigating in 2003.

² Acres irrigated are totals for all irrigation on these farms. Data were acquired from the 2002 and 1997 Censuses of Agriculture results.