

Table 17. Farms With Diminished Crop Yields Resulting From Irrigation Interruption by Cause: 2013

[Excludes institutional, research, and experimental farms. For meaning of abbreviations and symbols see introductory text]

Geographic area	Total ¹		Shortage of surface water		Shortage of ground water		Irrigation equipment failure	
	Farms	Total acres irrigated ²	Farms	Total acres irrigated ²	Farms	Total acres irrigated ²	Farms	Total acres irrigated ²
United States	34,766	9,696,808	20,032	5,359,538	5,821	2,090,700	5,625	2,532,714
Alabama	82	8,801	8	2,200	8	80	17	4,063
Alaska	16	27	5	5	2	(D)	5	10
Arizona	828	78,170	480	45,975	217	25,823	304	25,665
Arkansas	342	356,770	123	148,551	62	91,956	70	132,252
California	4,242	1,046,482	2,192	731,524	1,884	438,744	631	229,596
Colorado	4,053	907,993	3,265	725,559	240	185,630	402	84,425
Connecticut	31	34	7	7	14	14	3	6
Delaware	31	12,904	-	-	-	-	14	4,946
Florida	553	102,164	52	80,183	7	(D)	114	9,607
Georgia	198	89,104	25	11,550	4	2,800	44	49,259
Hawaii	112	(D)	42	(D)	14	(D)	31	684
Idaho	2,869	872,915	2,257	645,712	180	88,040	291	194,566
Illinois	107	63,952	12	2,398	1	(D)	42	13,864
Indiana	72	16,214	6	1,260	-	-	50	12,507
Iowa	71	8,776	23	1,660	8	272	21	6,148
Kansas	719	446,890	99	28,978	156	117,080	155	126,629
Kentucky	65	514	33	447	-	-	-	-
Louisiana	89	36,195	4	8,115	1	(D)	23	11,734
Maine	22	928	-	-	-	-	9	36
Maryland	103	(D)	13	2,065	5	10	29	2,988
Massachusetts	28	243	6	54	-	-	-	-
Michigan	166	46,783	30	(D)	9	2,875	95	32,234
Minnesota	188	54,146	39	7,949	4	1,684	129	40,220
Mississippi	64	52,696	20	3,097	-	-	18	31,906
Missouri	243	43,078	91	9,557	44	2,772	71	21,689
Montana	1,450	579,957	1,244	499,401	113	23,925	86	90,799
Nebraska	2,159	1,236,114	614	438,160	57	38,655	411	428,932
Nevada	1,083	387,593	962	359,578	176	61,260	50	26,199
New Hampshire	31	1,807	12	1,780	10	18	8	1,760
New Jersey	27	1,951	2	(D)	1	(D)	12	422
New Mexico	2,974	205,384	2,207	104,540	314	47,429	155	70,737
New York	86	1,105	28	128	11	23	19	88
North Carolina	244	(D)	-	-	81	155	24	1,016
North Dakota	84	18,995	17	2,279	-	-	34	12,039
Ohio	58	1,790	22	40	-	-	13	(D)
Oklahoma	320	73,428	71	10,164	85	23,349	133	44,755
Oregon	1,820	418,008	1,060	335,076	115	24,576	249	41,718
Pennsylvania	81	836	6	84	9	39	27	(D)
Rhode Island	5	(D)	-	-	-	-	4	8
South Carolina	56	4,759	-	-	-	-	11	(D)
South Dakota	105	28,374	21	3,758	-	-	63	16,035
Tennessee	60	(D)	2	(D)	-	-	11	3,570
Texas	2,675	1,190,514	830	216,500	1,205	685,149	779	528,830
Utah	3,723	456,241	2,931	363,467	484	78,875	549	74,561
Vermont	31	(D)	-	-	-	-	18	47
Virginia	39	(D)	4	3,233	-	-	7	1,793
Washington	724	157,879	21	20,972	188	46,503	92	58,948
West Virginia	9	48	9	48	3	42	3	42
Wisconsin	132	45,614	37	2,662	5	50	62	30,463
Wyoming	1,496	577,177	1,100	496,613	104	30,592	237	63,224
Water Resources Regions								
Region 01 New England	117	3,210	25	1,841	24	32	24	1,810
Region 02 Mid-Atlantic	307	28,545	46	5,381	15	329	100	9,769
Region 03 South Atlantic-Gulf	1,140	206,494	84	92,456	96	(D)	214	63,352
Region 04 Great Lakes	305	58,239	75	(D)	15	2,893	150	39,986
Region 05 Ohio	209	(D)	62	2,357	8	52	53	7,489
Region 06 Tennessee	50	(D)	4	2,040	4	64	12	3,210
Region 07 Upper Mississippi	448	153,148	74	9,749	16	1,966	232	85,402
Region 08 Lower Mississippi	369	410,765	95	138,892	56	91,950	124	171,111
Region 09 Souris-Red-Rainy	66	(D)	13	3,412	-	-	28	9,901
Region 10 Missouri	5,889	2,585,791	2,918	1,410,745	356	191,273	1,083	644,058
Region 11 Arkansas-White-Red	2,152	832,329	1,094	267,644	370	242,049	349	241,281
Region 12 Texas-Gulf	2,323	1,033,608	562	180,847	1,153	632,730	722	475,840
Region 13 Rio Grande	3,123	243,570	2,512	174,705	293	77,223	131	29,957
Region 14 Upper Colorado	3,617	647,681	2,954	508,416	272	(D)	406	98,112
Region 15 Lower Colorado	1,052	93,082	598	55,373	217	25,823	406	26,379
Region 16 Great Basin	3,599	724,802	3,061	622,903	559	138,711	281	88,735
Region 17 Pacific Northwest	5,505	1,497,565	3,565	1,072,533	467	135,330	592	300,143
Region 18 California	4,367	1,093,163	2,243	764,281	1,884	438,744	682	235,485
Region 19 Alaska	16	27	5	5	2	(D)	5	10
Region 20 Hawaii	112	(D)	42	(D)	14	(D)	31	684

See footnote(s) at end of table.

--continued

Table 17. Farms With Diminished Crop Yields Resulting From Irrigation Interruption by Cause: 2013 (continued)

[Excludes institutional, research, and experimental farms. For meaning of abbreviations and symbols see introductory text]

Geographic area	Energy price increases or energy shortage		Water salinity too high ³		Loss of water rights		Cost of purchased water		Other	
	Farms	Total acres irrigated ²	Farms	Total acres irrigated ²	Farms	Total acres irrigated ²	Farms	Total acres irrigated ²	Farms	Total acres irrigated ²
United States	1,511	504,208	374	226,547	457	220,415	2,707	343,558	7,439	1,843,410
Alabama	4	16	-	-	-	-	3	6	54	2,480
Alaska	-	-	-	-	-	-	3	3	11	16
Arizona	114	114	1	(D)	10	(D)	135	3,834	362	24,291
Arkansas	-	-	11	13,400	-	-	20	22,486	150	114,059
California	162	69,802	41	61,183	13	30,008	1,212	87,567	351	118,995
Colorado	20	6,460	2	(D)	12	9,989	277	35,140	358	78,672
Connecticut	-	-	-	-	-	-	-	-	7	7
Delaware	-	-	-	-	-	-	-	-	17	7,958
Florida	25	2,351	6	18	6	18	6	18	388	10,085
Georgia	23	5,975	8	4,400	-	-	-	-	127	29,870
Hawaii	18	(D)	7	7	7	7	52	253	24	644
Idaho	65	58,094	-	-	71	24,406	342	53,313	254	87,827
Illinois	19	37,892	-	-	-	-	12	12	27	11,850
Indiana	-	-	-	-	-	-	-	-	21	4,642
Iowa	8	230	-	-	-	-	-	-	13	1,306
Kansas	3	(D)	-	-	21	21,000	-	-	409	223,393
Kentucky	-	-	-	-	-	-	5	300	37	(D)
Louisiana	11	1,421	-	-	-	-	26	2,113	36	14,233
Maine	-	-	-	-	-	-	-	-	13	892
Maryland	2	(D)	-	-	-	-	21	42	59	3,266
Massachusetts	6	54	-	-	-	-	7	7	22	(D)
Michigan	26	9,265	-	-	-	-	-	-	51	12,880
Minnesota	11	4,115	-	-	-	-	11	(D)	40	7,750
Mississippi	6	18	-	-	-	-	-	-	26	17,681
Missouri	6	3,288	2	(D)	2	(D)	8	276	78	10,824
Montana	-	-	13	12,618	74	59,237	-	-	187	121,732
Nebraska	42	25,200	-	-	1	(D)	14	12,740	1,256	396,186
Nevada	25	23,802	3	2,700	10	4,590	8	17,426	75	26,282
New Hampshire	-	-	-	-	-	-	-	-	13	13
New Jersey	3	485	1	(D)	-	-	3	144	12	919
New Mexico	185	13,710	6	5,877	3	3,000	73	6,376	402	26,493
New York	12	30	-	-	-	-	6	12	34	872
North Carolina	9	297	-	-	-	-	-	-	146	4,316
North Dakota	12	6,312	-	-	-	-	7	21	23	2,406
Ohio	-	-	-	-	-	-	13	117	19	1,103
Oklahoma	70	6,749	25	7,377	-	-	30	30	62	5,592
Oregon	96	28,036	6	13,582	32	15,480	117	8,010	405	62,227
Pennsylvania	15	63	-	-	-	-	7	196	32	445
Rhode Island	-	-	-	-	-	-	-	-	1	(D)
South Carolina	-	-	-	-	-	-	-	-	45	(D)
South Dakota	16	(D)	-	-	-	-	-	-	19	6,981
Tennessee	-	-	-	-	-	-	-	-	39	1,575
Texas	180	95,726	127	91,440	11	13,800	120	67,407	508	227,865
Utah	151	13,910	112	8,070	174	19,197	143	18,118	575	40,799
Vermont	3	48	-	-	-	-	8	24	10	19
Virginia	7	49	-	-	-	-	-	-	24	753
Washington	75	5,955	-	-	6	7,377	-	-	368	44,170
West Virginia	3	42	3	42	3	42	3	42	3	42
Wisconsin	24	25,577	-	-	-	-	-	-	34	7,733
Wyoming	54	8,564	-	-	1	(D)	1	(D)	212	76,834
Water Resources Regions										
Region 01 New England	6	54	-	-	-	-	7	7	56	1,291
Region 02 Mid-Atlantic	26	1,366	1	(D)	-	-	30	198	151	13,781
Region 03 South Atlantic-Gulf	74	(D)	14	4,418	6	18	9	24	762	50,292
Region 04 Great Lakes	32	10,833	-	-	-	-	10	32	100	14,491
Region 05 Ohio	9	54	3	42	3	42	34	679	84	12,073
Region 06 Tennessee	-	-	-	-	-	-	6	36	30	327
Region 07 Upper Mississippi	56	66,069	-	-	-	-	23	969	117	20,359
Region 08 Lower Mississippi	15	4,445	11	13,400	-	-	34	6,593	124	117,223
Region 09 Souris-Red-Rainy	9	4,854	-	-	-	-	7	21	15	3,924
Region 10 Missouri	122	39,596	13	11,318	36	71,761	159	39,269	2,065	685,112
Region 11 Arkansas-White-Red	71	14,489	30	17,377	1	(D)	101	24,349	556	248,497
Region 12 Texas-Gulf	182	97,966	122	81,440	6	9,300	125	71,267	494	176,256
Region 13 Rio Grande	203	17,930	6	5,877	19	17,004	68	2,516	261	17,629
Region 14 Upper Colorado	103	3,090	103	(D)	111	(D)	202	16,334	550	70,126
Region 15 Lower Colorado	114	114	1	(D)	10	(D)	135	3,834	366	29,091
Region 16 Great Basin	84	44,523	12	7,680	73	15,149	32	32,985	250	38,409
Region 17 Pacific Northwest	172	71,470	10	15,838	163	49,526	458	56,622	1,048	214,194
Region 18 California	215	80,516	41	61,183	22	40,670	1,212	87,567	375	129,675
Region 19 Alaska	-	-	-	-	-	-	3	3	11	16
Region 20 Hawaii	18	(D)	7	7	7	7	52	253	24	644

¹ Detail may not add to total because respondents could check more than one cause.
² This is the total irrigated acres on the operation and not the acres affected by irrigation interruption.
³ The wording for this item in 2008 was "Poor water quality."