

Table 21. Farms With Diminished Crop Yields Resulting From Irrigation Interruption by Cause: 2023

[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	Acres affected by irrigation interruption	Farms	Acres affected by irrigation interruption	Farms	Acres affected by irrigation interruption	Farms	Acres affected by irrigation interruption
United States	17,145	2,022,246	7,368	850,172	2,310	510,222	4,343	575,892
Alabama	73	8,013	7	525	-	-	18	7,394
Alaska	-	-	-	-	-	-	-	-
Arizona	115	14,668	68	9,360	3	(D)	44	3,306
Arkansas	97	29,429	36	23,122	15	3,583	33	5,022
California	1,551	130,193	328	66,992	209	7,434	527	37,587
Colorado	1,917	226,134	1,185	171,975	145	26,103	219	16,428
Connecticut	22	62	-	-	8	8	-	-
Delaware	13	1,190	-	-	-	-	13	1,190
Florida	233	19,100	30	1,200	-	-	97	2,378
Georgia	174	11,143	27	675	11	(D)	109	3,813
Hawaii	202	1,716	36	448	-	-	42	112
Idaho	608	81,270	298	34,538	71	29,913	153	31,369
Illinois	42	2,178	-	-	-	-	2	(D)
Indiana	59	3,437	26	1,200	-	-	16	2,152
Iowa	42	405	41	(D)	-	-	-	-
Kansas	637	217,140	137	24,160	103	29,277	161	33,622
Kentucky	60	147	20	81	-	-	7	21
Louisiana	215	40,539	69	30,886	38	26,960	100	20,220
Maine	20	35	-	-	-	-	-	-
Maryland	54	3,346	13	344	12	27	9	1,474
Massachusetts	111	420	17	121	9	(D)	9	9
Michigan	163	6,395	124	3,494	19	19	26	5,106
Minnesota	227	29,310	63	3,490	20	1,360	128	22,412
Mississippi	84	11,680	14	52	8	8	39	10,542
Missouri	203	43,383	104	18,085	34	9,043	65	34,240
Montana	885	82,044	665	71,623	50	3,889	138	6,697
Nebraska	1,046	196,323	173	24,076	227	41,283	461	69,919
Nevada	152	39,077	31	1,736	1	(D)	17	10,181
New Hampshire	3	3	-	-	-	-	-	-
New Jersey	40	1,607	-	-	-	-	16	16
New Mexico	1,381	34,700	993	19,041	127	11,055	98	2,814
New York	139	6,455	4	(D)	-	-	4	(D)
North Carolina	244	9,212	128	6,880	23	23	46	1,173
North Dakota	31	3,324	10	485	-	-	17	2,199
Ohio	81	1,378	15	108	-	-	-	-
Oklahoma	249	30,838	49	3,338	54	13,150	128	14,286
Oregon	1,163	72,769	828	52,986	86	16,021	158	10,413
Pennsylvania	137	1,170	44	919	46	67	9	65
Rhode Island	9	12	2	(D)	2	(D)	-	-
South Carolina	75	1,188	25	25	25	25	24	240
South Dakota	32	4,102	2	(D)	-	-	26	4,030
Tennessee	24	6,137	1	(D)	17	(D)	-	-
Texas	2,102	502,513	584	173,234	816	263,696	720	181,605
Utah	1,155	60,775	604	47,767	24	6,540	284	15,872
Vermont	40	67	5	(D)	13	13	-	-
Virginia	108	4,165	48	2,423	-	-	39	1,438
Washington	372	24,949	167	16,546	54	9,738	148	5,899
West Virginia	7	19	4	4	-	-	3	15
Wisconsin	190	12,282	84	2,793	23	2,524	83	4,167
Wyoming	558	45,804	259	34,881	17	510	107	5,359
Water Resource Regions								
Region 01 New England	166	552	19	123	19	19	9	9
Region 02 Mid-Atlantic	378	16,999	109	3,690	55	88	74	4,973
Region 03 South Atlantic-Gulf	797	49,659	206	9,324	44	(D)	282	15,373
Region 04 Great Lakes	358	15,851	154	3,701	32	32	52	6,347
Region 05 Ohio	204	4,544	62	1,479	3	6	30	1,651
Region 06 Tennessee	71	6,095	23	23	40	40	23	23
Region 07 Upper Mississippi	484	36,304	185	7,157	52	3,893	199	26,192
Region 08 Lower Mississippi	311	80,169	85	41,712	33	15,541	158	47,941
Region 09 Souris-Red-Rainy	17	1,333	5	325	-	-	4	360
Region 10 Missouri	2,832	455,505	1,116	122,857	341	59,775	736	101,704
Region 11 Arkansas-White-Red	1,766	389,214	713	155,729	399	169,718	491	130,523
Region 12 Texas-Gulf	1,681	356,253	490	124,687	633	174,619	535	85,207
Region 13 Rio Grande	1,518	63,085	1,085	49,045	161	5,187	182	31,226
Region 14 Upper Colorado	919	89,762	510	70,916	21	84	109	7,036
Region 15 Lower Colorado	161	14,965	92	9,393	3	(D)	65	3,327
Region 16 Great Basin	1,115	93,922	543	46,265	25	8,497	259	25,948
Region 17 Pacific Northwest	2,539	204,373	1,562	132,861	235	56,988	542	42,676
Region 18 California	1,626	141,945	373	70,437	214	9,734	551	45,264
Region 19 Alaska	-	-	-	-	-	-	-	-
Region 20 Hawaii	202	1,716	36	448	-	-	42	112

See footnote(s) at end of table.

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Table 21. Farms With Diminished Crop Yields Resulting From Irrigation Interruption by Cause: 2023 (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		Loss of water rights		Cost of purchased water		Other	
	Farms	Acres affected by irrigation interruption	Farms	Acres affected by irrigation interruption	Farms	Acres affected by irrigation interruption	Farms	Acres affected by irrigation interruption	Farms	Acres affected by irrigation interruption
United States	977	181,460	195	49,279	288	49,921	811	78,245	4,507	541,915
Alabama	24	(D)	-	-	-	-	23	69	-	-
Alaska	-	-	-	-	-	-	-	-	-	-
Arizona	1	(D)	-	-	-	-	20	218	25	2,030
Arkansas	-	-	-	-	-	-	7	7	21	1,278
California	256	11,302	10	1,528	10	6,500	218	12,422	525	35,756
Colorado	-	-	-	-	66	16,060	27	1,720	494	26,091
Connecticut	-	-	-	-	-	-	-	-	14	54
Delaware	-	-	-	-	-	-	-	-	-	-
Florida	30	(D)	-	-	-	-	-	-	62	92
Georgia	28	1,275	-	-	-	-	-	-	54	3,672
Hawaii	29	100	-	-	-	-	73	145	93	1,081
Idaho	19	2,375	-	-	22	1,060	23	1,594	194	17,247
Illinois	-	-	-	-	-	-	-	-	40	(D)
Indiana	-	-	-	-	-	-	-	-	25	1,685
Iowa	-	-	-	-	-	-	-	-	1	(D)
Kansas	20	1,660	-	-	20	1,200	20	2,400	201	130,676
Kentucky	13	74	-	-	-	-	12	24	40	66
Louisiana	42	15,007	52	20,994	7	14,700	30	15,322	35	16,638
Maine	-	-	-	-	-	-	-	-	20	35
Maryland	-	-	-	-	-	-	-	-	17	809
Massachusetts	-	-	-	-	-	-	-	-	94	(D)
Michigan	-	-	-	-	-	-	-	-	20	20
Minnesota	32	1,712	-	-	-	-	16	1,040	52	13,488
Mississippi	-	-	-	-	-	-	27	196	8	26
Missouri	12	7,440	7	7	-	-	11	20	13	(D)
Montana	22	1,188	-	-	24	3,636	-	-	151	9,416
Nebraska	20	53,000	-	-	20	2,540	-	-	280	84,727
Nevada	-	-	-	-	31	1,736	-	-	109	34,660
New Hampshire	-	-	-	-	-	-	-	-	3	3
New Jersey	5	75	-	-	-	-	-	-	16	16
New Mexico	84	4,610	-	-	-	-	31	31	239	2,764
New York	-	-	-	-	-	-	-	-	137	5,555
North Carolina	8	2,400	11	2,940	-	-	22	22	91	1,770
North Dakota	-	-	-	-	-	-	5	325	6	646
Ohio	-	-	-	-	-	-	-	-	66	1,270
Oklahoma	29	2,030	-	-	-	-	-	-	47	93
Oregon	25	2,320	3	195	20	(D)	40	40	236	13,537
Pennsylvania	-	-	-	-	-	-	-	-	44	139
Rhode Island	-	-	-	-	-	-	-	-	5	(D)
South Carolina	-	-	-	-	-	-	23	23	3	900
South Dakota	-	-	-	-	-	-	-	-	4	(D)
Tennessee	-	-	-	-	-	-	-	-	6	6,030
Texas	179	56,503	103	23,606	6	705	105	36,916	372	106,427
Utah	-	-	-	-	25	303	47	2,943	354	7,435
Vermont	-	-	-	-	-	-	-	-	27	54
Virginia	11	616	9	9	-	-	-	-	35	109
Washington	28	3,675	-	-	2	(D)	14	2,632	42	1,285
West Virginia	-	-	-	-	-	-	-	-	-	-
Wisconsin	26	10,284	-	-	-	-	-	-	20	338
Wyoming	34	1,581	-	-	35	1,397	17	136	166	11,643
Water Resource Regions										
Region 01 New England	-	-	-	-	-	-	-	-	137	419
Region 02 Mid-Atlantic	5	(D)	-	-	-	-	-	-	148	6,390
Region 03 South Atlantic-Gulf	93	6,258	11	2,940	-	-	87	150	215	6,457
Region 04 Great Lakes	5	7,764	-	-	-	-	-	-	154	590
Region 05 Ohio	21	90	9	9	-	-	12	24	127	3,035
Region 06 Tennessee	-	-	-	-	-	-	-	-	6	6,030
Region 07 Upper Mississippi	53	4,232	-	-	-	-	18	1,042	106	15,504
Region 08 Lower Mississippi	42	15,007	52	20,994	7	14,700	45	15,489	42	16,642
Region 09 Souris-Red-Rainy	-	-	-	-	-	-	5	325	8	648
Region 10 Missouri	74	56,241	7	7	54	3,237	29	1,650	771	219,201
Region 11 Arkansas-White-Red	114	42,406	31	223	20	1,200	60	27,774	341	39,864
Region 12 Texas-Gulf	128	26,317	72	23,383	6	705	67	11,546	307	98,694
Region 13 Rio Grande	62	1,860	-	-	22	440	31	31	224	2,424
Region 14 Upper Colorado	-	-	-	-	45	16,320	22	220	326	12,053
Region 15 Lower Colorado	1	(D)	-	-	-	-	20	218	47	2,294
Region 16 Great Basin	-	-	-	-	56	2,039	67	4,483	363	39,403
Region 17 Pacific Northwest	89	7,258	3	195	68	4,780	57	2,726	561	34,800
Region 18 California	261	13,602	10	1,528	10	6,500	218	12,422	531	36,386
Region 19 Alaska	-	-	-	-	-	-	-	-	-	-
Region 20 Hawaii	29	100	-	-	-	-	73	145	93	1,081

¹ Sum may not add to the total if multiple causes were selected.