

**Table 26. Farms with Diminished Crop Yields Resulting from Irrigation Interruption by Cause: 2008 and 2003**

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

Geographic area	Total <sup>1</sup>		Shortage of surface water		Shortage of ground water		Irrigation equipment failure	
	Farms	Acres irrigated	Farms	Acres irrigated	Farms	Acres irrigated	Farms	Acres irrigated
United States .....2008 ..	33,052	8,997,812	17,337	4,074,095	3,479	1,755,337	7,737	3,624,169
.....2003 ..	39,887	10,192,594	28,955	6,026,318	5,416	2,282,297	6,513	2,818,897
<b>2008 DATA</b>								
Alabama .....	91	15,408	40	8,982	6	(D)	24	4,891
Alaska .....	-	-	-	-	-	-	-	-
Arizona .....	387	65,440	146	24,020	49	7,804	36	45,499
Arkansas .....	401	555,666	138	163,406	49	74,601	156	247,953
California .....	6,316	1,381,662	3,325	1,053,655	630	529,251	595	331,834
Colorado .....	2,203	757,861	1,360	499,212	300	114,325	218	110,531
Connecticut .....	14	51	14	(D)	-	-	-	-
Delaware .....	61	29,609	21	10,926	3	1,196	36	19,192
Florida .....	628	187,620	39	38,744	8	9,638	282	37,169
Georgia .....	858	182,275	486	81,385	6	2,958	218	94,208
Hawaii .....	183	77,895	89	77,371	16	69,110	20	(D)
Idaho .....	1,513	467,816	1,076	254,264	221	88,311	279	180,996
Illinois .....	68	20,199	7	490	14	868	29	12,570
Indiana .....	92	42,269	14	6,258	3	4,215	73	37,955
Iowa .....	53	13,318	9	1,875	5	65	27	9,986
Kansas .....	566	391,628	130	40,786	130	143,078	286	249,056
Kentucky .....	187	4,159	88	2,355	30	419	32	718
Louisiana .....	67	51,922	16	14,331	4	1,320	36	29,455
Maine .....	3	45	-	-	-	-	-	-
Maryland .....	50	18,718	12	4,622	4	390	25	14,488
Massachusetts .....	12	850	12	850	-	-	-	-
Michigan .....	240	68,150	25	6,978	3	1,248	89	46,727
Minnesota .....	142	45,794	18	8,100	-	-	80	24,162
Mississippi .....	113	59,893	16	9,010	2	(D)	30	49,412
Missouri .....	101	59,591	17	18,472	11	2,404	83	36,351
Montana .....	1,947	463,440	1,585	362,461	6	5,242	418	154,575
Nebraska .....	1,384	658,797	51	67,950	240	82,246	660	333,585
Nevada .....	712	289,291	600	236,792	8	11,210	90	22,775
New Hampshire .....	5	(D)	-	-	3	3	-	-
New Jersey .....	64	8,594	17	3,893	4	65	13	1,862
New Mexico .....	1,882	240,521	1,194	70,660	135	46,684	103	112,834
New York .....	18	1,199	5	144	-	-	3	51
North Carolina .....	185	23,704	132	17,167	24	800	40	5,610
North Dakota .....	93	25,644	31	9,175	4	496	40	11,191
Ohio .....	21	923	6	542	2	(D)	15	523
Oklahoma .....	243	58,923	59	17,770	10	6,586	127	23,840
Oregon .....	2,783	287,719	1,331	187,180	177	28,823	644	62,902
Pennsylvania .....	151	2,028	101	877	48	66	12	659
Rhode Island .....	2	(D)	2	(D)	-	-	-	-
South Carolina .....	129	21,234	45	10,085	20	2,763	40	11,676
South Dakota .....	115	28,085	26	4,635	-	-	27	13,162
Tennessee .....	67	6,857	20	1,010	10	141	17	(D)
Texas .....	3,926	1,386,835	1,622	99,068	1,059	393,291	1,815	995,465
Utah .....	3,015	342,545	2,493	271,806	81	33,728	332	84,839
Vermont .....	-	-	-	-	-	-	-	-
Virginia .....	117	8,578	35	4,894	1	(D)	55	2,464
Washington .....	974	269,477	253	131,168	132	66,985	505	102,313
West Virginia .....	6	50	-	-	5	10	4	(D)
Wisconsin .....	99	69,414	14	4,596	2	(D)	51	54,265
Wyoming .....	765	306,012	617	245,999	14	21,650	75	42,808
<b>Water Resources Regions</b>								
Region 01 New England .....	36	1,049	28	981	3	3	-	-
Region 02 Mid-Atlantic .....	335	65,103	159	23,416	37	1,709	96	38,436
Region 03 South Atlantic-Gulf .....	2,033	432,055	765	160,026	59	16,659	644	152,761
Region 04 Great Lakes .....	330	88,574	40	9,298	7	1,732	133	61,415
Region 05 Ohio .....	293	23,601	103	8,046	67	(D)	72	17,919
Region 06 Tennessee .....	75	4,725	38	(D)	6	(D)	31	(D)
Region 07 Upper Mississippi .....	256	137,018	38	15,498	17	5,083	131	93,651
Region 08 Lower Mississippi .....	456	653,593	151	195,995	64	78,319	238	350,424
Region 09 Souris-Red-Rainy .....	65	16,550	2	(D)	-	-	50	7,900
Region 10 Missouri .....	4,466	1,642,553	2,221	722,238	449	185,228	1,255	619,666
Region 11 Arkansas-White-Red .....	2,185	1,002,744	1,106	252,446	279	236,937	778	501,623
Region 12 Texas-Gulf .....	3,578	1,175,482	1,624	100,568	1,022	350,921	1,501	814,425
Region 13 Rio Grande .....	1,563	172,568	827	88,151	150	36,341	105	30,170
Region 14 Upper Colorado .....	1,797	410,245	1,151	271,733	5	5,920	167	95,017
Region 15 Lower Colorado .....	552	76,827	236	31,347	49	7,804	36	45,499
Region 16 Great Basin .....	2,911	561,686	2,475	437,997	131	70,189	369	96,338
Region 17 Pacific Northwest .....	5,211	1,080,701	2,970	639,103	507	172,168	1,356	353,820
Region 18 California .....	6,727	1,374,843	3,314	1,035,975	611	515,951	755	340,599
Region 19 Alaska .....	-	-	-	-	-	-	-	-
Region 20 Hawaii .....	183	77,895	89	77,371	16	69,110	20	(D)

See footnote(s) at end of table.

--continued

**Table 26. Farms with Diminished Crop Yields Resulting from Irrigation Interruption by Cause: 2008 and 2003 - Con.**

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

Geographic area	Energy price increases or energy shortage		Poor water quality		Loss of water rights		Cost of purchased water		Other	
	Farms	Acres irrigated	Farms	Acres irrigated	Farms	Acres irrigated	Farms	Acres irrigated	Farms	Acres irrigated
United States ..... 2008 ..	3,403	1,175,609	632	240,225	483	172,443	2,562	397,309	6,767	1,120,710
..... 2003 ..	1,934	961,004	877	230,020	376	192,271	1,705	350,803	2,952	924,927
<b>2008 DATA</b>										
Alabama .....	23	4,412	5	15	1	(D)	23	(D)	18	4,137
Alaska .....	-	-	-	-	-	-	-	-	-	-
Arizona .....	10	11,984	-	-	4	160	114	10,564	157	685
Arkansas .....	92	148,788	11	15,550	-	-	25	36,000	74	82,713
California .....	283	123,769	77	69,480	125	57,466	1,727	104,854	1,613	178,376
Colorado .....	56	38,745	7	12,892	27	26,205	67	45,293	498	120,748
Connecticut .....	-	-	1	(D)	-	-	-	-	-	-
Delaware .....	10	1,906	-	-	-	-	-	-	8	1,952
Florida .....	83	14,706	18	29,743	2	(D)	-	-	233	88,826
Georgia .....	311	55,321	52	416	-	-	4	1,200	77	13,080
Hawaii .....	2	(D)	11	11	-	-	23	23	45	1,002
Idaho .....	55	46,901	8	5,540	5	(D)	76	20,762	118	43,514
Illinois .....	22	4,839	-	-	-	-	-	-	3	1,922
Indiana .....	15	1,518	-	-	-	-	-	-	18	2,856
Iowa .....	2	(D)	-	-	-	-	-	-	18	4,773
Kansas .....	117	61,812	85	27,584	44	2,332	44	2,332	103	59,695
Kentucky .....	18	852	-	-	-	-	25	308	29	(D)
Louisiana .....	6	6,842	10	3,684	-	-	1	(D)	11	5,490
Maine .....	3	(D)	-	-	-	-	-	-	-	-
Maryland .....	12	3,556	-	-	-	-	-	-	4	687
Massachusetts .....	-	-	-	-	-	-	-	-	-	-
Michigan .....	58	8,581	-	-	-	-	-	-	97	16,067
Minnesota .....	10	4,430	-	-	1	(D)	-	-	37	9,584
Mississippi .....	76	10,220	-	-	-	-	66	198	4	7,290
Missouri .....	21	9,039	9	720	9	720	9	720	17	4,524
Montana .....	70	56,652	12	11,496	20	18,208	12	9,280	249	49,070
Nebraska .....	264	81,410	-	-	-	-	26	19,240	290	134,886
Nevada .....	41	15,350	49	1,960	6	1,200	1	(D)	98	31,639
New Hampshire .....	-	-	-	-	-	-	-	-	2	(D)
New Jersey .....	10	1,256	-	-	-	-	-	-	31	4,676
New Mexico .....	202	22,126	62	744	-	-	6	2,400	473	22,466
New York .....	-	-	-	-	-	-	-	-	10	1,004
North Carolina .....	32	1,712	-	-	-	-	-	-	41	2,255
North Dakota .....	24	9,126	2	(D)	-	-	-	-	9	1,930
Ohio .....	2	(D)	-	-	-	-	-	-	4	206
Oklahoma .....	39	17,672	2	(D)	-	-	7	4,158	42	8,637
Oregon .....	155	16,055	-	-	2	(D)	-	-	952	42,076
Pennsylvania .....	6	326	-	-	-	-	-	-	11	243
Rhode Island .....	2	(D)	-	-	-	-	-	-	-	-
South Carolina .....	62	4,030	-	-	1	(D)	-	-	8	950
South Dakota .....	5	1,530	5	1,530	-	-	-	-	78	11,713
Tennessee .....	3	(D)	9	131	-	-	16	40	4	(D)
Texas .....	925	240,355	28	45,256	5	9,195	157	115,190	417	64,042
Utah .....	20	15,800	10	3,686	3	7,611	19	7,758	365	24,469
Vermont .....	-	-	-	-	-	-	-	-	-	-
Virginia .....	12	3,964	-	-	-	-	-	-	27	1,615
Washington .....	112	11,210	110	7,172	213	23,260	107	4,922	406	36,466
West Virginia .....	-	-	-	-	-	-	-	-	-	-
Wisconsin .....	30	17,111	-	-	-	-	-	-	22	2,831
Wyoming .....	102	29,695	49	1,470	15	9,360	7	5,740	46	26,550
<b>Water Resources Regions</b>										
Region 01 New England .....	5	125	1	(D)	-	-	-	-	2	(D)
Region 02 Mid-Atlantic .....	47	10,753	-	-	-	-	-	-	71	9,052
Region 03 South Atlantic-Gulf .....	572	79,561	70	30,159	3	5,456	88	1,668	384	107,518
Region 04 Great Lakes .....	81	12,916	-	-	-	-	-	-	134	19,416
Region 05 Ohio .....	21	(D)	9	131	-	-	25	308	36	(D)
Region 06 Tennessee .....	9	1,283	5	(D)	1	(D)	21	55	7	2,093
Region 07 Upper Mississippi .....	54	23,563	-	-	1	(D)	-	-	46	13,763
Region 08 Lower Mississippi .....	114	158,464	30	19,954	9	(D)	35	40,862	64	64,934
Region 09 Souris-Red-Rainy .....	7	4,650	-	-	-	-	-	-	6	1,800
Region 10 Missouri .....	455	175,628	129	27,013	87	37,570	116	55,695	801	264,943
Region 11 Arkansas-White-Red .....	257	176,571	95	29,847	3	3,555	68	52,638	222	138,281
Region 12 Texas-Gulf .....	892	190,198	28	45,256	5	9,195	115	81,390	408	53,842
Region 13 Rio Grande .....	67	15,371	-	-	-	-	-	-	474	23,786
Region 14 Upper Colorado .....	10	4,233	9	3,186	15	14,391	19	7,030	507	62,744
Region 15 Lower Colorado .....	134	14,526	-	-	4	160	114	10,564	170	3,505
Region 16 Great Basin .....	78	44,428	50	2,460	6	1,200	20	9,658	280	46,838
Region 17 Pacific Northwest .....	315	69,555	118	12,712	224	41,400	191	32,564	1,235	125,210
Region 18 California .....	283	123,769	77	69,480	125	57,466	1,727	104,854	1,875	180,472
Region 19 Alaska .....	-	-	-	-	-	-	-	-	-	-
Region 20 Hawaii .....	2	(D)	11	11	-	-	23	23	45	1,002

<sup>1</sup> Detail may not add to total because respondents could check more than one cause.