

Table 40. Barriers to Making Improvements to Reduce Energy Use or Conserve Water: 2003 and 1998

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

Geographic area	Total ¹				Investigating improvements not a priority		
	Farms	Land in farms (acres)	Acres irrigated	Acre-feet applied	Farms	Acres irrigated ²	Acre-feet applied ²
U.S. TOTAL 2003 1998	149,827 153,411	106,356,634 90,783,642	26,165,456 24,714,243	40,934,755 43,344,569	9,409 55,873	2,558,302 8,150,674	4,237,773 13,285,056
2003 DATA							
Alabama	466	217,865	35,145	23,998	15	(D)	1,784
Alaska	41	3,261	388	893	9	352	149
Arizona	1,902	707,548	385,523	1,637,840	154	35,389	163,304
Arkansas	3,283	3,174,440	2,080,186	2,020,878	162	144,812	139,563
California	33,518	9,430,329	4,212,161	11,923,266	829	465,823	1,400,207
Colorado	7,647	6,309,436	1,326,581	2,069,622	651	121,508	209,253
Connecticut	159	6,894	1,299	556	27	185	85
Delaware	139	121,321	43,018	15,415	35	3,190	1,014
Florida	6,225	2,557,521	974,627	1,344,348	576	111,518	68,590
Georgia	2,316	1,543,855	498,888	207,966	105	20,337	7,525
Hawaii	1,000	154,541	13,786	15,633	37	(D)	(D)
Idaho	9,168	3,338,053	1,278,028	2,506,979	1,023	142,135	234,515
Illinois	906	851,560	232,763	145,970	46	33,332	23,927
Indiana	979	796,660	194,185	88,049	60	11,896	11,927
Iowa	547	445,596	92,504	40,688	35	5,483	2,587
Kansas	2,552	4,292,986	1,149,440	1,285,895	205	108,630	123,711
Kentucky	761	249,585	15,507	6,658	42	1,315	544
Louisiana	1,712	1,480,846	522,655	561,650	78	34,511	35,989
Maine	374	152,874	12,601	7,106	38	1,242	332
Maryland	406	127,191	31,867	14,212	9	2,544	998
Massachusetts	492	37,958	7,634	36,228	48	285	1,053
Michigan	1,782	683,044	173,542	72,833	133	25,395	12,286
Minnesota	1,243	766,231	252,450	162,854	85	27,584	15,687
Mississippi	1,286	1,436,974	713,372	536,574	40	61,048	82,146
Missouri	1,436	1,536,143	653,088	438,431	180	73,231	46,786
Montana	6,044	10,993,382	1,056,510	1,402,994	113	54,113	54,249
Nebraska	9,726	10,904,141	3,502,115	3,766,330	919	369,006	440,193
Nevada	999	2,040,575	263,828	599,406	55	31,695	82,121
New Hampshire	114	8,698	631	347	8	8	4
New Jersey	588	65,145	19,730	11,201	42	5,822	3,644
New Mexico	4,806	3,248,939	386,224	915,057	67	17,580	50,824
New York	909	156,566	23,111	8,573	31	4,338	1,000
North Carolina	1,676	490,599	66,072	27,696	164	5,362	2,373
North Dakota	391	1,118,678	124,573	118,395	34	15,700	28,640
Ohio	516	63,962	7,372	2,611	25	145	313
Oklahoma	1,239	1,849,347	281,737	336,006	41	17,304	15,065
Oregon	9,613	5,010,913	899,019	1,588,438	1,361	127,332	223,331
Pennsylvania	1,116	190,765	11,970	5,321	220	1,466	1,488
Rhode Island	45	2,478	519	275	8	16	36
South Carolina	751	186,745	21,346	12,824	16	5,523	2,541
South Dakota	974	1,750,965	243,446	831,072	102	30,605	27,886
Tennessee	681	239,253	24,311	12,089	7	3,179	(D)
Texas	9,814	11,705,796	2,153,662	2,486,788	296	197,918	193,479
Utah	7,057	2,752,671	558,410	1,087,805	491	22,714	40,409
Vermont	160	12,829	580	380	8	32	7
Virginia	633	258,556	15,760	6,831	16	1,720	1,025
Washington	7,683	2,940,174	671,505	1,362,696	425	102,950	293,190
West Virginia	67	5,151	601	668	14	118	50
Wisconsin	1,016	572,130	177,758	155,099	49	33,313	29,463
Wyoming	2,869	9,365,464	753,428	1,031,307	275	67,072	114,742
Water Resources Areas							
WRA 01 New England	1,281	217,504	23,030	44,687	135	1,748	1,511
WRA 02 Mid-Atlantic	2,941	625,674	122,917	55,636	322	16,785	8,812
WRA 03 South Atlantic-Gulf	12,245	5,122,860	1,600,169	1,619,621	879	145,040	83,812
WRA 04 Great Lakes	2,741	1,037,118	265,035	114,492	177	39,620	18,068
WRA 05 Ohio	2,342	1,069,587	165,156	81,230	114	10,089	4,958
WRA 06 Tennessee	578	145,125	18,461	12,949	9	(D)	591
WRA 07 Upper Mississippi	3,296	2,425,889	661,972	438,750	172	79,324	62,427
WRA 08 Lower Mississippi	5,356	6,517,009	3,504,201	3,098,523	314	275,456	263,423
WRA 09 Souris-Red-Rainy	355	533,300	105,943	85,756	29	13,012	(D)
WRA 10 Missouri	21,337	36,156,014	6,131,531	7,998,254	1,676	609,428	775,720
WRA 11 Arkansas-White-Red	6,749	10,897,193	2,453,125	2,910,526	436	217,424	267,297
WRA 12 Texas-Gulf	8,218	4,783,709	1,567,942	1,793,027	192	130,446	126,232
WRA 13 Rio Grande	4,598	5,868,255	329,383	757,077	70	21,045	46,733
WRA 14 Upper Colorado	6,307	4,053,054	864,055	1,216,526	568	56,302	79,419
WRA 15 Lower Colorado	2,180	1,269,840	418,182	1,737,429	165	38,829	173,208
WRA 16 Great Basin	6,811	4,225,111	696,639	1,395,121	464	52,056	114,683
WRA 17 Pacific Northwest	27,397	11,650,601	2,900,947	5,405,541	2,427	357,027	737,178
WRA 18 California	34,054	9,600,989	4,322,594	12,153,089	1,214	481,973	1,412,789
WRA 19 Alaska	41	3,261	388	893	9	352	149
WRA 20 Hawaii	1,000	154,541	13,786	15,633	37	(D)	(D)

See footnote(s) at end of table.

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Table 40. Barriers to Making Improvements to Reduce Energy Use or Conserve Water: 2003 and 1998 - Con.

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

Geographic area	Risk of reduced yield or poor crop quality			Physical field/crop condition limit system improvements			Improvements will not reduce costs enough to cover installation costs		
	Farms	Acres irrigated ²	Acre-feet applied ²	Farms	Acres irrigated ²	Acre-feet applied ²	Farms	Acres irrigated ²	Acre-feet applied ²
U.S. TOTAL 2003 1998	10,311 28,552	4,724,156 6,686,590	8,902,293 12,992,919	9,134 24,074	4,386,546 9,159,513	8,065,032 17,371,693	21,856 49,690	10,457,690 15,524,749	18,372,578 28,746,579
2003 DATA									
Alabama	14	196	211	11	2,597	631	26	5,474	4,105
Alaska	1	(D)	(D)	2	(D)	(D)	11	(D)	224
Arizona	123	78,656	377,864	190	79,359	352,198	161	135,379	620,817
Arkansas	215	397,714	469,744	224	330,473	378,493	464	517,829	605,186
California	1,979	810,823	2,751,881	2,503	816,993	2,655,440	4,684	1,807,099	5,382,489
Colorado	652	305,198	519,504	547	331,501	511,481	1,823	506,247	827,845
Connecticut	9	9	1	-	-	-	2	(D)	(D)
Delaware	13	7,748	5,353	5	4,139	4,148	8	4,483	1,388
Florida	82	53,031	67,608	39	61,672	71,391	544	204,520	191,276
Georgia	101	42,287	19,212	68	19,730	11,112	170	67,099	36,581
Hawaii	43	(D)	(D)	6	(D)	(D)	40	46,577	(D)
Idaho	519	351,859	662,423	355	377,343	702,586	1,600	814,695	1,641,251
Illinois	63	28,816	17,431	47	25,065	17,061	66	44,938	23,853
Indiana	21	15,014	8,345	25	16,559	11,447	36	22,723	13,807
Iowa	24	1,545	1,742	18	8,593	3,173	48	13,143	7,359
Kansas	365	292,871	416,957	367	166,272	215,371	856	562,270	780,103
Kentucky	36	1,184	668	14	329	125	35	140	85
Louisiana	63	56,012	64,865	79	52,163	61,019	202	98,417	119,077
Maine	44	1,102	999	6	394	(D)	9	1,926	(D)
Maryland	34	5,492	849	6	(D)	53	65	10,893	(D)
Massachusetts	45	1,967	13,204	8	1,030	(D)	85	1,175	7,878
Michigan	175	58,687	32,543	120	52,448	28,407	186	145,896	84,446
Minnesota	31	18,491	11,073	31	18,305	15,274	139	70,290	45,410
Mississippi	31	68,924	58,297	50	91,351	82,891	84	147,603	116,415
Missouri	53	64,431	43,752	48	48,609	38,486	195	162,545	116,541
Montana	310	156,692	202,066	680	271,170	337,810	835	475,054	619,329
Nebraska	737	562,011	765,677	782	643,212	767,320	2,347	1,649,230	1,902,721
Nevada	91	55,458	121,941	91	55,346	129,753	184	131,700	380,569
New Hampshire	-	-	-	5	11	1	-	-	-
New Jersey	16	3,874	4,329	23	3,239	1,578	57	9,073	4,435
New Mexico	460	53,382	143,736	177	43,050	109,845	501	97,600	217,082
New York	16	2,545	1,858	24	8,875	3,406	145	7,174	3,427
North Carolina	10	1,400	1,768	45	3,298	1,248	56	6,653	4,168
North Dakota	24	12,418	25,814	14	5,947	5,918	44	20,945	34,421
Ohio	20	320	310	15	79	41	37	2,230	481
Oklahoma	93	50,285	58,110	33	12,747	19,933	166	53,053	56,966
Oregon	358	95,108	185,488	299	123,596	274,981	749	318,272	664,628
Pennsylvania	86	971	322	72	704	285	222	2,217	853
Rhode Island	4	12	36	-	-	-	4	12	36
South Carolina	4	3,666	1,451	13	4,474	1,311	16	4,242	1,952
South Dakota	78	27,219	(D)	105	17,718	20,815	138	43,256	37,659
Tennessee	6	(D)	(D)	8	439	(D)	24	522	128
Texas	1,315	638,188	830,364	282	184,216	234,125	1,741	1,291,158	1,526,794
Utah	358	55,930	132,689	569	72,517	144,911	554	159,139	379,969
Vermont	-	-	-	-	-	-	5	(D)	1
Virginia	15	(D)	1,756	15	3,058	1,300	91	1,946	915
Washington	1,258	189,618	498,139	592	185,613	464,696	1,456	429,600	1,045,253
West Virginia	-	-	-	6	24	19	12	(D)	25
Wisconsin	93	32,152	37,046	81	38,273	32,070	133	85,315	78,509
Wyoming	223	72,417	116,091	434	198,607	344,292	800	277,469	549,982
Water Resources Areas									
WRA 01 New England	102	3,090	14,240	19	1,435	4,589	100	3,181	10,224
WRA 02 Mid-Atlantic	131	23,225	12,567	99	13,137	8,054	539	31,741	12,179
WRA 03 South Atlantic-Gulf	207	100,782	90,384	176	91,771	85,693	799	286,808	237,603
WRA 04 Great Lakes	216	80,090	(D)	164	70,332	38,451	256	188,261	111,923
WRA 05 Ohio	93	11,101	5,487	58	11,846	(D)	129	21,257	(D)
WRA 06 Tennessee	7	98	15	5	127	46	30	(D)	588
WRA 07 Upper Mississippi	192	65,142	56,750	161	73,539	58,200	310	160,280	125,659
WRA 08 Lower Mississippi	324	525,507	563,237	346	466,862	483,242	799	834,294	843,220
WRA 09 Souris-Red-Rainy	21	(D)	6,187	16	(D)	8,157	55	24,889	15,790
WRA 10 Missouri	1,701	1,054,638	1,466,347	2,207	1,309,953	1,732,161	4,749	2,777,300	3,588,708
WRA 11 Arkansas-White-Red	586	720,571	965,425	402	261,809	351,669	1,568	1,245,723	1,572,244
WRA 12 Texas-Gulf	826	276,212	360,674	237	142,838	180,966	1,277	713,345	847,512
WRA 13 Rio Grande	855	111,269	239,402	179	68,711	143,018	538	127,769	290,720
WRA 14 Upper Colorado	399	75,351	148,973	500	147,244	229,188	1,179	185,433	373,330
WRA 15 Lower Colorado	128	80,406	383,114	195	83,492	365,069	245	142,558	644,680
WRA 16 Great Basin	362	101,625	246,944	600	116,803	253,368	641	271,705	709,130
WRA 17 Pacific Northwest	2,095	628,076	1,323,700	1,254	693,307	1,447,643	3,891	1,571,165	3,332,731
WRA 18 California	2,022	818,993	2,773,631	2,508	821,267	2,666,674	4,700	1,823,426	5,416,228
WRA 19 Alaska	1	(D)	(D)	2	(D)	(D)	11	(D)	224
WRA 20 Hawaii	43	(D)	(D)	6	(D)	(D)	40	46,577	(D)

See footnote(s) at end of table.

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Table 40. Barriers to Making Improvements to Reduce Energy Use or Conserve Water: 2003 and 1998 - Con.

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

Geographic area	Cannot finance improvements			Landlord will not share in cost			Uncertainty about future availability of water		
	Farms	Acres irrigated ²	Acre-feet applied ²	Farms	Acres irrigated ²	Acre-feet applied ²	Farms	Acres irrigated ²	Acre-feet applied ²
U.S. TOTAL 2003 1998	20,631 48,522	8,337,601 14,580,598	14,855,178 26,710,383	8,234 16,047	6,386,635 8,691,912	11,029,536 13,683,854	14,034 20,168	5,417,875 6,218,474	9,605,186 11,612,753
2003 DATA									
Alabama	17	1,486	1,044	6	2,013	1,049	-	-	-
Alaska	13	665	333	1	(D)	(D)	3	6	19
Arizona	156	156,846	776,176	117	152,619	703,810	125	106,569	513,056
Arkansas	634	681,728	842,870	470	651,894	861,989	155	176,072	220,725
California	3,770	1,261,657	3,713,560	1,907	1,022,051	3,113,270	1,405	710,803	2,310,115
Colorado	1,310	391,183	565,076	339	267,025	419,295	1,996	505,713	738,061
Connecticut	14	254	142	-	-	-	1	(D)	(D)
Delaware	1	(D)	(D)	4	1,208	147	4	2,540	3,633
Florida	257	79,448	99,441	18	19,895	25,634	58	19,906	30,154
Georgia	133	45,995	31,289	92	35,773	29,490	103	32,659	(D)
Hawaii	63	14,656	41,252	6	(D)	(D)	23	(D)	(D)
Idaho	1,973	770,392	1,471,338	393	432,283	848,275	1,251	485,641	826,519
Illinois	50	9,493	6,624	25	22,757	16,693	-	-	-
Indiana	24	12,928	6,515	21	16,636	9,244	3	960	96
Iowa	20	2,411	1,781	7	4,396	1,575	1	(D)	(D)
Kansas	718	418,457	541,264	406	349,791	542,089	1,007	487,073	695,815
Kentucky	18	637	100	1	(D)	(D)	-	-	-
Louisiana	155	83,613	93,256	111	84,331	95,086	26	15,946	18,886
Maine	9	1,549	430	-	-	-	10	1,734	(D)
Maryland	32	2,646	818	2	(D)	(D)	1	(D)	(D)
Massachusetts	148	3,153	25,585	5	120	50	31	186	(D)
Michigan	182	65,093	37,978	64	58,927	35,016	55	26,350	14,644
Minnesota	103	30,903	20,389	21	24,234	16,900	12	6,960	2,716
Mississippi	77	98,826	76,913	87	178,627	158,530	6	6,554	3,058
Missouri	141	75,230	56,347	100	106,576	65,554	13	(D)	4,512
Montana	1,017	496,680	650,282	265	209,077	299,084	647	251,795	300,277
Nebraska	1,911	1,172,301	1,443,256	1,501	1,184,618	1,325,220	1,132	649,653	822,095
Nevada	199	119,919	366,059	22	30,271	83,945	173	79,525	183,991
New Hampshire	14	39	11	-	-	-	2	(D)	(D)
New Jersey	58	10,053	10,143	10	3,493	1,402	15	2,059	2,462
New Mexico	455	160,921	351,281	72	46,588	150,410	727	117,555	257,210
New York	94	8,033	3,766	-	-	-	7	2,150	725
North Carolina	169	6,391	3,792	8	3,380	1,420	1	(D)	(D)
North Dakota	31	12,583	13,641	16	16,900	17,465	13	2,761	3,115
Ohio	24	1,890	10,035	-	-	-	1	(D)	(D)
Oklahoma	143	61,360	76,017	43	33,668	48,935	114	41,579	48,112
Oregon	1,358	338,260	712,626	108	97,931	194,493	845	187,380	411,193
Pennsylvania	89	1,441	566	34	(D)	123	42	366	140
Rhode Island	-	-	-	-	-	-	-	-	-
South Carolina	19	8,254	6,783	3	(D)	(D)	-	-	-
South Dakota	175	44,273	46,013	52	21,695	17,953	58	14,318	13,567
Tennessee	40	356	409	2	(D)	(D)	-	-	-
Texas	1,733	855,941	1,036,734	1,270	900,364	1,093,121	1,636	922,965	1,034,167
Utah	793	180,165	389,034	161	51,366	120,291	794	127,439	264,032
Vermont	10	10	3	-	-	-	2	(D)	(D)
Virginia	19	2,351	830	5	1,290	447	3	300	150
Washington	1,532	369,306	843,744	246	207,552	480,182	797	173,989	376,547
West Virginia	6	(D)	(D)	-	-	-	-	-	-
Wisconsin	99	40,095	36,068	15	34,031	27,607	34	970	518
Wyoming	625	237,444	443,505	198	103,988	218,523	702	212,225	279,981
Water Resources Areas									
WRA 01 New England	185	4,995	26,169	5	120	50	44	2,022	2,789
WRA 02 Mid-Atlantic	225	20,487	13,370	19	8,103	2,421	38	7,552	7,175
WRA 03 South Atlantic-Gulf	498	141,054	142,023	127	63,061	59,419	165	53,720	(D)
WRA 04 Great Lakes	309	84,480	50,947	77	71,591	43,952	57	26,700	14,863
WRA 05 Ohio	68	5,313	11,525	40	7,836	3,661	33	33	17
WRA 06 Tennessee	132	1,898	1,094	5	(D)	(D)	-	-	-
WRA 07 Upper Mississippi	214	68,110	52,307	66	76,658	57,598	46	(D)	2,557
WRA 08 Lower Mississippi	814	811,074	878,503	663	926,473	1,058,279	184	193,187	231,712
WRA 09 Souris-Red-Rainy	32	13,221	9,439	9	6,333	4,647	5	2,796	2,550
WRA 10 Missouri	4,406	2,162,452	2,898,929	2,232	1,740,074	2,230,519	3,576	1,385,903	1,832,321
WRA 11 Arkansas-White-Red	1,280	840,130	1,071,976	782	876,926	1,188,935	1,490	822,776	1,046,651
WRA 12 Texas-Gulf	1,373	608,259	730,460	998	478,261	601,733	972	678,572	761,901
WRA 13 Rio Grande	465	170,595	413,838	70	46,798	147,884	1,171	182,197	388,133
WRA 14 Upper Colorado	780	192,713	268,849	155	70,255	74,401	952	135,028	161,291
WRA 15 Lower Colorado	164	161,308	796,952	199	159,679	735,034	287	117,259	534,210
WRA 16 Great Basin	876	274,716	699,546	99	73,067	166,670	654	182,489	410,307
WRA 17 Pacific Northwest	4,925	1,459,682	2,921,479	766	748,562	1,527,089	2,846	832,857	1,541,449
WRA 18 California	3,809	1,301,793	3,826,188	1,915	1,027,165	3,124,179	1,488	750,271	2,415,141
WRA 19 Alaska	13	665	333	1	(D)	(D)	3	6	19
WRA 20 Hawaii	63	14,656	41,252	6	(D)	(D)	23	(D)	(D)

See footnote(s) at end of table.

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Table 40. Barriers to Making Improvements to Reduce Energy Use or Conserve Water: 2003 and 1998 - Con.

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

Geographic area	Will not be farming this operation long enough to justify improvements			Other		
	Farms	Acres irrigated ²	Acre-feet applied ²	Farms	Acres irrigated ²	Acre-feet applied ²
U.S. TOTAL 2003 1998	6,573 24,670	1,798,734 4,334,691	3,672,184 7,856,227	17,742 12,640	5,841,855 3,495,650	10,842,319 6,668,005
2003 DATA						
Alabama	3	450	38	46	9,441	4,953
Alaska	1	(D)	(D)	7	653	302
Arizona	63	100,441	486,647	234	105,745	485,000
Arkansas	28	39,506	33,607	325	468,939	546,570
California	1,616	345,991	1,228,174	4,412	1,169,575	3,677,304
Colorado	151	79,087	97,186	353	180,644	338,524
Connecticut	8	8	16	37	499	205
Delaware	2	(D)	(D)	23	12,550	5,448
Florida	454	20,488	28,344	554	114,010	126,916
Georgia	69	8,237	3,260	130	76,285	38,980
Hawaii	29	3,505	(D)	66	249	643
Idaho	336	190,305	388,299	854	340,058	665,916
Illinois	32	9,015	1,686	88	31,768	24,948
Indiana	10	6,978	4,142	72	21,437	10,243
Iowa	14	2,173	927	50	13,124	7,092
Kansas	103	72,181	87,957	591	307,398	388,155
Kentucky	-	-	-	81	2,214	1,499
Louisiana	85	15,521	13,599	137	76,583	79,105
Maine	4	82	34	44	833	278
Maryland	4	140	208	15	4,474	2,004
Massachusetts	68	184	635	77	2,298	10,228
Michigan	84	21,042	11,083	132	47,964	25,651
Minnesota	34	10,633	6,013	98	58,586	49,173
Mississippi	34	46,898	44,346	67	107,372	105,010
Missouri	78	18,044	12,355	76	57,343	35,626
Montana	114	36,069	43,093	674	202,677	270,214
Nebraska	601	245,173	304,326	1,689	750,247	895,093
Nevada	23	23,553	65,807	309	90,675	217,234
New Hampshire	5	26	7	20	114	172
New Jersey	12	944	596	84	6,318	6,994
New Mexico	72	17,026	40,938	513	103,567	276,828
New York	5	60	5	107	4,700	1,977
North Carolina	8	1,858	2,134	210	13,187	14,052
North Dakota	8	2,833	1,786	35	27,400	19,560
Ohio	33	524	127	14	2,074	(D)
Oklahoma	16	9,491	12,344	228	73,882	104,543
Oregon	507	65,086	135,969	918	156,221	336,816
Pennsylvania	70	262	325	241	3,599	1,200
Rhode Island	-	-	-	5	113	(D)
South Carolina	10	2,000	2,000	135	7,225	3,062
South Dakota	20	8,568	7,127	110	35,393	39,152
Tennessee	2	(D)	(D)	3	60	42
Texas	730	233,780	275,664	1,301	515,071	723,286
Utah	194	30,631	63,328	692	139,718	350,226
Vermont	-	-	-	26	203	(D)
Virginia	-	-	-	142	8,395	2,245
Washington	608	85,497	180,058	1,453	351,864	738,733
West Virginia	-	-	-	13	58	(D)
Wisconsin	60	12,430	11,447	72	57,158	52,729
Wyoming	165	30,930	74,164	179	81,894	155,585
Water Resources Areas						
WRA 01 New England	85	300	692	195	3,916	11,190
WRA 02 Mid-Atlantic	60	2,181	1,199	396	37,680	18,469
WRA 03 South Atlantic-Gulf	544	33,033	35,775	955	214,730	184,510
WRA 04 Great Lakes	108	26,539	14,169	220	61,208	34,159
WRA 05 Ohio	66	557	144	293	12,371	6,343
WRA 06 Tennessee	2	(D)	(D)	134	5,817	3,521
WRA 07 Upper Mississippi	119	32,567	19,910	298	141,965	115,483
WRA 08 Lower Mississippi	152	104,652	87,309	512	620,352	669,014
WRA 09 Souris-Red-Rainy	5	2,670	1,383	32	31,905	26,832
WRA 10 Missouri	1,052	381,320	503,141	2,917	1,212,210	1,547,570
WRA 11 Arkansas-White-Red	173	161,463	181,370	1,071	635,192	850,234
WRA 12 Texas-Gulf	675	172,318	225,325	998	300,750	430,981
WRA 13 Rio Grande	74	10,046	21,960	391	92,557	245,016
WRA 14 Upper Colorado	140	26,683	39,091	399	112,714	255,345
WRA 15 Lower Colorado	63	100,441	486,647	248	109,455	492,735
WRA 16 Great Basin	129	47,104	111,988	947	226,109	529,285
WRA 17 Pacific Northwest	1,467	342,693	701,129	3,218	829,249	1,679,535
WRA 18 California	1,629	350,386	1,238,651	4,445	1,192,773	3,741,153
WRA 19 Alaska	1	(D)	(D)	7	653	302
WRA 20 Hawaii	29	3,505	(D)	66	249	643

¹ Respondents could choose more than one barrier to improvement.
² Acres irrigated and acre-feet applied are totals for all irrigation on these farms.