

Table 23. Investment in Irrigation Equipment, Facilities, Land Improvement, and Computer Technology: 2003 and 1998

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

Geographic area	Investment (all types) in survey year									
	Farms	Acres irrigated	Investment ¹ (\$1,000)	Average per farm (dollars)	Farms with investment of -					
					\$1 to \$999	\$1,000 to \$4,999	\$5,000 to \$14,999	\$15,000 to \$39,999	\$40,000 to \$74,999	\$75,000 or more
U.S. TOTAL	86,174	26,674,941	1,125,125	13,056	35,021	21,940	12,526	8,671	4,791	3,225
2003	70,304	25,594,276	1,161,404	16,520	27,382	17,795	12,025	6,735	(NA)	(NA)
1998										
2003 DATA										
Alabama	280	22,910	2,197	7,847	133	68	49	14	11	5
Alaska	33	1,188	91	2,769	19	13	-	-	1	-
Arizona	1,381	457,991	21,005	15,210	598	382	78	203	59	61
Arkansas	2,005	2,152,829	62,837	31,340	20	591	506	478	229	181
California	15,589	3,959,889	216,543	13,891	7,871	2,978	1,290	1,911	887	652
Colorado	4,408	1,134,465	40,137	9,106	1,538	1,354	587	752	87	90
Connecticut	56	1,103	330	5,886	23	13	12	8	-	-
Delaware	97	34,158	2,803	28,893	8	8	35	15	20	11
Florida	3,260	698,028	26,807	8,223	1,616	1,092	357	57	62	76
Georgia	786	259,875	19,012	24,188	326	41	112	145	104	58
Hawaii	458	70,374	5,309	11,591	260	136	35	19	1	7
Idaho	6,258	1,987,610	68,676	10,974	3,118	1,366	910	403	223	238
Illinois	350	161,936	7,306	20,873	95	117	47	37	34	20
Indiana	388	99,237	5,631	14,513	159	118	24	40	28	19
Iowa	284	56,409	2,123	7,476	136	87	18	28	11	4
Kansas	1,595	1,176,687	41,257	25,866	204	262	466	255	289	119
Kentucky	340	8,903	1,897	5,581	141	112	61	22	1	3
Louisiana	668	347,611	8,481	12,696	87	234	178	108	50	11
Maine	281	11,093	1,733	6,169	139	53	71	7	4	7
Maryland	209	16,005	1,504	7,195	32	114	40	17	3	3
Massachusetts	327	7,920	1,869	5,716	132	112	48	22	13	-
Michigan	1,024	243,325	16,995	16,597	398	197	223	80	64	62
Minnesota	670	168,680	8,021	11,971	291	164	109	38	38	30
Mississippi	448	687,702	11,020	24,597	50	84	137	84	58	35
Missouri	810	437,957	8,860	10,938	339	199	129	81	38	24
Montana	2,761	1,022,642	34,619	12,539	1,049	788	523	143	171	87
Nebraska	6,568	3,961,489	158,526	24,136	922	1,700	1,257	1,174	1,094	421
Nevada	671	309,902	14,696	21,902	261	147	95	89	39	40
New Hampshire	76	344	126	1,661	55	12	8	1	-	-
New Jersey	393	29,314	3,895	9,912	201	77	58	36	12	9
New Mexico	2,492	339,055	25,592	10,270	1,331	468	248	287	79	79
New York	439	29,801	2,063	4,699	269	92	42	19	14	3
North Carolina	1,020	44,970	8,447	8,282	411	361	53	132	50	13
North Dakota	202	91,145	2,900	14,355	36	80	41	25	9	11
Ohio	261	8,391	1,024	3,923	126	92	23	16	3	1
Oklahoma	962	250,307	14,776	15,359	236	360	158	102	53	53
Oregon	6,625	875,723	38,867	5,867	3,353	1,585	1,279	248	107	53
Pennsylvania	739	10,397	1,914	2,590	510	150	60	11	4	4
Rhode Island	28	313	76	2,701	8	17	2	1	-	-
South Carolina	371	33,324	3,793	10,222	248	45	19	36	9	14
South Dakota	439	136,130	5,570	12,689	110	172	70	30	49	8
Tennessee	282	13,850	1,386	4,915	180	61	31	5	-	5
Texas	7,070	2,763,806	114,875	16,248	1,594	2,477	1,326	719	524	430
Utah	3,811	572,580	24,134	6,333	1,967	1,099	384	240	66	55
Vermont	100	423	149	1,485	60	33	7	-	-	-
Virginia	280	18,251	2,474	8,837	143	36	78	11	5	7
Washington	6,056	1,124,851	57,303	9,462	3,289	1,342	855	323	96	151
West Virginia	37	237	25	677	31	6	-	-	-	-
Wisconsin	474	186,543	7,885	16,635	43	137	148	99	26	21
Wyoming	2,012	647,268	17,569	8,732	855	708	239	100	66	44
Water Resources Areas										
WRA 01 New England	807	20,898	4,163	5,159	389	212	143	39	17	7
WRA 02 Mid-Atlantic	1,896	117,690	13,043	6,879	1,031	439	249	96	44	37
WRA 03 South Atlantic-Gulf	5,483	1,050,697	59,398	10,833	2,771	1,352	581	380	234	165
WRA 04 Great Lakes	1,513	338,342	21,711	14,349	546	371	315	114	93	74
WRA 05 Ohio	964	88,199	5,562	5,770	496	284	113	43	12	16
WRA 06 Tennessee	484	16,362	2,025	4,185	122	304	45	7	2	4
WRA 07 Upper Mississippi	1,488	470,437	22,914	15,399	484	395	265	172	106	66
WRA 08 Lower Mississippi	3,160	3,175,057	71,879	22,747	240	933	788	728	270	201
WRA 09 Souris-Red-Rainy	204	68,777	1,785	8,751	43	89	42	19	8	3
WRA 10 Missouri	12,695	6,483,478	243,700	19,197	2,862	3,357	2,370	1,995	1,454	657
WRA 11 Arkansas-White-Red	4,122	2,729,608	112,089	27,193	654	962	991	559	532	424
WRA 12 Texas-Gulf	5,663	1,742,166	73,180	12,922	1,581	1,895	1,069	500	408	210
WRA 13 Rio Grande	2,656	403,545	30,869	11,622	1,111	814	219	310	104	98
WRA 14 Upper Colorado	4,048	563,408	16,257	4,016	1,910	1,376	414	326	13	9
WRA 15 Lower Colorado	1,772	493,777	23,076	13,023	605	675	87	284	60	61
WRA 16 Great Basin	3,647	813,715	38,077	10,441	1,972	771	497	192	103	112
WRA 17 Pacific Northwest	18,757	3,964,322	160,979	8,582	9,654	4,283	2,991	970	439	420
WRA 18 California	16,324	4,062,901	219,018	13,417	8,271	3,279	1,312	1,918	890	654
WRA 19 Alaska	33	1,188	91	2,769	19	13	-	-	1	-
WRA 20 Hawaii	458	70,374	5,309	11,591	260	136	35	19	1	7

See footnote(s) at end of table.

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Table 23. Investment in Irrigation Equipment, Facilities, Land Improvement, and Computer Technology: 2003 and 1998 - Con.

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

Geographic area	Investment (all types) in survey year - con.						
	Purpose of expenditures			Source of funding assistance			
	Replacement (dollars)	Water conservation (dollars)	New expansion (dollars)	EQUIP (farms)	Other USDA (farms)	Other public (farms)	No public funding (farms)
U.S. TOTAL 2003 1998	469,023,865 (NA)	172,069,158 (NA)	484,032,448 (NA)	1,808 (NA)	744 (NA)	616 (NA)	105,310 (NA)
2003 DATA							
Alabama	586,102	150,000	1,460,921	-	-	-	327
Alaska	(D)	(D)	84,070	-	-	-	38
Arizona	11,162,719	6,654,218	3,187,986	31	42	3	1,903
Arkansas	15,315,301	17,549,042	29,972,446	61	56	69	2,965
California	100,894,085	23,165,115	92,483,368	107	125	164	17,799
Colorado	21,014,490	9,334,603	9,788,390	135	80	2	5,607
Connecticut	51,529	-	278,100	9	-	-	73
Delaware	1,601,651	3,000	1,197,957	-	-	-	120
Florida	15,337,850	5,320,701	6,148,261	60	2	10	4,084
Georgia	6,055,751	902,745	12,053,349	5	2	-	1,024
Hawaii	4,058,158	(D)	(D)	-	-	-	591
Idaho	36,779,494	14,697,270	17,199,204	58	10	-	7,236
Illinois	(D)	(D)	4,291,429	4	-	-	413
Indiana	2,140,174	64,800	3,426,095	1	-	-	442
Iowa	1,383,000	558	739,631	-	2	-	335
Kansas	22,869,623	6,875,156	11,511,988	42	-	5	1,871
Kentucky	(D)	(D)	1,388,106	7	7	15	374
Louisiana	3,332,460	1,534,506	3,613,863	37	9	32	816
Maine	347,410	76,800	1,309,254	36	1	6	331
Maryland	807,896	6,936	688,965	-	-	2	272
Massachusetts	963,742	188,886	716,592	23	16	2	375
Michigan	4,729,679	206,280	12,059,529	-	-	2	1,488
Minnesota	2,559,916	336,580	5,124,054	4	-	-	823
Mississippi	4,177,998	1,747,354	5,094,318	27	-	2	687
Missouri	2,686,255	364,046	5,809,500	10	4	1	995
Montana	7,257,499	10,070,683	17,290,676	158	-	23	3,358
Nebraska	50,882,095	16,312,529	91,331,097	256	183	21	8,111
Nevada	4,293,674	3,478,305	6,924,519	33	-	14	823
New Hampshire	(D)	(D)	92,388	-	-	-	84
New Jersey	1,276,057	192,810	2,426,592	15	13	8	442
New Mexico	12,834,441	6,216,565	6,541,203	86	49	33	2,740
New York	679,276	(D)	(D)	-	6	-	522
North Carolina	4,170,508	109,000	4,167,691	-	-	17	1,262
North Dakota	1,790,575	157,380	951,852	7	-	4	249
Ohio	(D)	(D)	677,889	-	-	-	324
Oklahoma	6,218,891	689,978	7,866,723	69	11	-	1,031
Oregon	18,649,748	10,446,766	9,770,379	106	5	19	8,577
Pennsylvania	763,941	148,000	1,001,772	4	-	1	844
Rhode Island	(D)	(D)	38,000	1	-	-	44
South Carolina	749,190	499,800	2,543,557	29	1	-	556
South Dakota	2,083,902	1,142,700	2,343,730	35	3	-	515
Tennessee	541,250	18,960	825,759	-	-	6	323
Texas	43,331,755	19,747,003	51,795,762	235	29	42	9,079
Utah	11,572,492	2,888,844	9,672,571	26	37	88	4,522
Vermont	54,360	6,000	88,177	-	-	-	124
Virginia	645,112	372,950	1,456,200	-	3	-	384
Washington	29,386,031	5,728,480	22,188,807	36	12	12	7,235
West Virginia	5,600	-	19,440	-	6	-	31
Wisconsin	4,444,176	511,500	2,929,526	-	-	-	665
Wyoming	4,625,449	3,099,968	9,843,254	55	30	13	2,476
Water Resources Areas							
WRA 01 New England	1,438,932	271,246	2,453,261	69	17	8	947
WRA 02 Mid-Atlantic	4,954,885	779,998	7,307,715	19	22	11	2,231
WRA 03 South Atlantic-Gulf	26,584,196	6,962,246	25,851,758	94	5	27	6,914
WRA 04 Great Lakes	7,111,962	271,780	14,326,957	-	-	2	2,091
WRA 05 Ohio	1,738,638	87,950	3,735,664	9	13	14	1,156
WRA 06 Tennessee	(D)	(D)	1,082,301	-	-	7	599
WRA 07 Upper Mississippi	9,648,605	812,135	12,453,313	3	-	-	1,892
WRA 08 Lower Mississippi	22,915,909	17,180,288	31,782,779	123	64	104	4,398
WRA 09 Souris-Red-Rainy	1,115,887	(D)	(D)	9	-	-	240
WRA 10 Missouri	83,136,369	34,657,859	125,905,862	570	215	62	15,322
WRA 11 Arkansas-White-Red	41,108,614	20,667,522	50,312,758	193	26	5	4,872
WRA 12 Texas-Gulf	30,898,023	9,681,453	32,600,490	201	29	42	7,179
WRA 13 Rio Grande	15,958,523	6,180,877	8,729,835	93	66	33	3,424
WRA 14 Upper Colorado	3,674,180	6,788,868	5,793,619	32	58	79	5,099
WRA 15 Lower Colorado	11,896,499	7,117,018	4,062,786	35	42	3	2,449
WRA 16 Great Basin	16,262,680	6,088,281	15,725,666	48	35	24	4,271
WRA 17 Pacific Northwest	82,617,402	30,167,618	48,193,633	200	27	28	23,023
WRA 18 California	102,983,305	23,282,021	92,752,825	110	125	167	18,574
WRA 19 Alaska	(D)	(D)	84,070	-	-	-	38
WRA 20 Hawaii	4,058,158	(D)	(D)	-	-	-	591

See footnote(s) at end of table.

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Table 23. Investment in Irrigation Equipment, Facilities, Land Improvement, and Computer Technology: 2003 and 1998 - Con.

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

Geographic area	Purchase of equipment and machinery in survey year								
	Farms	Acres irrigated	Investment ¹ (\$1,000)	Average per farm (dollars)	Farms with investment of -				
					\$1 to \$999	\$1,000 to \$9,999	\$10,000 to \$29,999	\$30,000 to \$74,999	\$75,000 or more
U.S. TOTAL 2003 1998	75,448 58,831	23,496,627 21,571,346	816,603 704,486	10,823 11,975	33,721 24,039	25,111 22,030	8,589 6,972	5,946 (NA)	2,081 (NA)
2003 DATA									
Alabama	262	18,667	1,864	7,113	147	84	16	10	5
Alaska	32	1,158	84	2,637	23	8	-	1	-
Arizona	1,120	366,948	9,059	8,089	745	192	111	46	26
Arkansas	1,651	1,736,199	27,730	16,796	53	908	485	163	42
California	14,523	3,265,844	145,391	10,011	7,957	3,708	1,490	995	373
Colorado	3,807	926,420	29,980	7,875	1,495	1,194	926	139	53
Connecticut	55	1,073	260	4,730	32	15	5	3	-
Delaware	88	31,808	2,644	30,049	8	32	11	28	9
Florida	3,142	639,938	17,563	5,590	1,904	966	153	62	57
Georgia	729	237,910	15,393	21,116	305	110	109	167	38
Hawaii	449	68,386	3,901	8,689	295	125	16	6	7
Idaho	4,658	1,788,451	60,669	13,025	1,847	1,608	691	304	208
Illinois	318	146,176	5,336	16,780	78	142	31	55	12
Indiana	376	96,518	4,661	12,397	159	127	37	39	14
Iowa	259	52,217	1,878	7,249	135	77	28	15	4
Kansas	1,528	1,097,247	33,804	22,123	204	582	288	356	98
Kentucky	288	8,148	1,518	5,272	141	113	23	9	2
Louisiana	572	282,336	3,997	6,987	91	348	110	23	-
Maine	247	10,778	1,086	4,397	141	90	7	6	3
Maryland	203	14,723	1,268	6,247	56	126	13	6	2
Massachusetts	307	7,600	1,235	4,024	175	98	22	12	-
Michigan	907	235,761	14,200	15,656	373	299	79	106	50
Minnesota	579	143,281	6,500	11,226	264	209	34	47	25
Mississippi	408	590,152	5,070	12,427	49	204	116	31	8
Missouri	778	401,476	6,460	8,303	337	290	85	52	14
Montana	2,212	879,980	29,848	13,494	708	1,039	196	185	84
Nebraska	6,395	3,815,656	127,523	19,941	940	2,744	1,004	1,484	223
Nevada	491	208,977	8,036	16,368	185	183	56	38	29
New Hampshire	70	338	76	1,090	58	8	4	-	-
New Jersey	375	25,748	3,046	8,123	219	84	48	18	6
New Mexico	1,386	284,972	16,762	12,094	573	428	250	71	64
New York	425	29,251	1,808	4,254	274	102	27	22	-
North Carolina	984	43,190	7,308	7,427	413	380	111	69	11
North Dakota	177	83,761	2,345	13,250	26	102	27	14	8
Ohio	261	8,391	746	2,859	141	109	5	5	1
Oklahoma	878	231,948	12,022	13,692	227	480	67	64	40
Oregon	6,221	778,217	28,070	4,512	3,951	1,767	264	203	36
Pennsylvania	665	10,104	1,242	1,867	508	137	15	1	4
Rhode Island	28	313	42	1,495	17	10	1	-	-
South Carolina	357	31,382	2,350	6,583	248	59	31	10	9
South Dakota	407	127,159	4,203	10,327	130	186	42	41	8
Tennessee	225	9,580	988	4,393	162	49	9	-	5
Texas	5,507	2,577,946	89,990	16,341	1,916	1,864	709	700	318
Utah	3,044	451,221	16,453	5,405	1,775	988	179	75	27
Vermont	95	418	91	961	66	29	-	-	-
Virginia	213	13,839	1,334	6,265	143	50	8	8	4
Washington	5,638	1,066,276	41,114	7,292	3,158	1,772	462	147	99
West Virginia	31	231	13	411	31	-	-	-	-
Wisconsin	448	176,490	5,632	12,572	59	250	88	38	13
Wyoming	1,629	472,024	14,005	8,597	779	636	100	72	42
Water Resources Areas									
WRA 01 New England	741	20,222	2,717	3,667	455	223	39	21	3
WRA 02 Mid-Atlantic	1,744	105,660	10,021	5,746	1,077	476	99	67	25
WRA 03 South Atlantic-Gulf	5,245	964,797	43,742	8,340	3,054	1,342	414	316	119
WRA 04 Great Lakes	1,383	326,870	18,290	13,225	542	514	124	144	59
WRA 05 Ohio	858	84,969	4,305	5,017	497	292	34	22	13
WRA 06 Tennessee	436	14,146	1,616	3,707	115	300	15	2	4
WRA 07 Upper Mississippi	1,363	430,146	17,162	12,591	455	566	154	144	44
WRA 08 Lower Mississippi	2,700	2,618,170	33,279	12,325	274	1,465	706	207	48
WRA 09 Souris-Red-Rainy	165	56,749	1,348	8,170	39	89	23	12	2
WRA 10 Missouri	11,584	5,982,599	200,369	17,297	2,552	4,781	1,867	1,943	441
WRA 11 Arkansas-White-Red	3,798	2,510,145	85,352	22,473	622	1,517	779	543	337
WRA 12 Texas-Gulf	4,551	1,602,708	55,003	12,086	1,916	1,516	425	583	111
WRA 13 Rio Grande	1,179	322,599	17,842	15,133	458	302	245	108	66
WRA 14 Upper Colorado	3,461	417,069	11,340	3,276	1,922	1,182	338	12	7
WRA 15 Lower Colorado	1,357	387,244	10,319	7,605	752	340	192	47	26
WRA 16 Great Basin	3,021	631,060	24,838	8,222	1,660	1,024	168	103	66
WRA 17 Pacific Northwest	16,128	3,586,483	128,329	7,957	8,656	5,025	1,450	667	330
WRA 18 California	15,253	3,365,447	146,745	9,621	8,357	4,024	1,501	998	373
WRA 19 Alaska	32	1,158	84	2,637	23	8	-	1	-
WRA 20 Hawaii	449	68,386	3,901	8,689	295	125	16	6	7

See footnote(s) at end of table.

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Table 23. Investment in Irrigation Equipment, Facilities, Land Improvement, and Computer Technology: 2003 and 1998 - Con.

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

Geographic area	Purchase of equipment and machinery in survey year - con.						
	Purpose of expenditures			Source of funding assistance			
	Replacement (farms)	Water conservation (farms)	New expansion (farms)	EQIP (farms)	Other USDA (farms)	Other public (farms)	No public funding (farms)
U.S. TOTAL	54,114	4,307	17,027	1,199	359	371	73,519
1998	43,895	2,323	12,613	(NA)	(NA)	(NA)	(NA)
2003 DATA							
Alabama	180	3	79	-	-	-	262
Alaska	10	3	19	-	-	-	32
Arizona	932	17	171	9	9	1	1,101
Arkansas	1,070	44	537	1	33	20	1,597
California	10,985	210	3,328	35	57	160	14,271
Colorado	2,706	694	407	68	63	2	3,674
Connecticut	36	-	19	7	-	-	48
Delaware	63	-	25	-	-	-	88
Florida	2,699	27	416	54	-	-	3,088
Georgia	416	28	285	5	-	-	724
Hawaii	356	11	82	-	-	-	449
Idaho	3,113	447	1,098	32	7	-	4,619
Illinois	241	-	77	4	-	-	314
Indiana	244	4	128	1	-	-	375
Iowa	187	-	72	-	2	-	257
Kansas	1,167	137	224	42	-	5	1,481
Kentucky	166	1	121	7	-	8	273
Louisiana	385	8	179	14	5	15	538
Maine	182	6	59	36	1	-	210
Maryland	158	4	41	-	-	-	203
Massachusetts	205	2	100	13	6	2	286
Michigan	435	4	468	-	-	2	905
Minnesota	443	8	128	-	-	-	579
Mississippi	290	11	107	8	-	2	398
Missouri	422	3	353	6	4	1	767
Montana	1,053	147	1,012	93	-	7	2,112
Nebraska	4,490	438	1,467	255	101	21	6,018
Nevada	329	74	88	17	-	11	463
New Hampshire	36	2	32	-	-	-	70
New Jersey	280	13	82	6	13	6	350
New Mexico	939	124	323	33	-	7	1,346
New York	205	8	212	-	-	-	425
North Carolina	559	-	425	-	-	17	967
North Dakota	130	13	34	7	-	2	168
Ohio	177	1	83	-	-	-	261
Oklahoma	609	66	203	67	7	-	804
Oregon	5,082	745	394	68	3	16	6,134
Pennsylvania	511	3	151	4	-	1	660
Rhode Island	26	-	2	1	-	-	27
South Carolina	184	119	54	19	-	-	338
South Dakota	265	29	113	13	-	-	394
Tennessee	130	2	93	-	-	3	222
Texas	3,902	281	1,324	191	4	38	5,274
Utah	2,105	119	820	9	25	2	3,008
Vermont	52	-	43	-	-	-	95
Virginia	184	-	29	-	-	-	213
Washington	4,483	180	975	34	5	9	5,590
West Virginia	23	-	8	-	-	-	31
Wisconsin	303	1	144	-	-	-	448
Wyoming	966	270	393	40	14	13	1,562
Water Resources Areas							
WRA 01 New England	501	10	230	57	7	2	675
WRA 02 Mid-Atlantic	1,269	25	450	10	13	7	1,714
WRA 03 South Atlantic-Gulf	3,943	176	1,126	78	-	17	5,150
WRA 04 Great Lakes	723	7	653	-	-	2	1,381
WRA 05 Ohio	541	3	314	9	-	7	842
WRA 06 Tennessee	239	3	194	-	-	4	432
WRA 07 Upper Mississippi	998	6	359	3	-	-	1,360
WRA 08 Lower Mississippi	1,803	66	831	28	37	38	2,597
WRA 09 Souris-Red-Rainy	134	11	20	5	-	-	160
WRA 10 Missouri	7,754	1,065	2,765	462	117	44	10,961
WRA 11 Arkansas-White-Red	2,474	348	976	149	22	5	3,622
WRA 12 Texas-Gulf	3,273	158	1,120	156	4	38	4,353
WRA 13 Rio Grande	921	130	128	35	-	7	1,137
WRA 14 Upper Colorado	2,314	524	623	10	55	3	3,393
WRA 15 Lower Colorado	1,085	17	255	11	9	1	1,336
WRA 16 Great Basin	2,073	154	794	17	23	11	2,970
WRA 17 Pacific Northwest	12,017	1,376	2,735	131	15	25	15,957
WRA 18 California	11,686	214	3,353	38	57	160	14,998
WRA 19 Alaska	10	3	19	-	-	-	32
WRA 20 Hawaii	356	11	82	-	-	-	449

See footnote(s) at end of table.

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Table 23. Investment in Irrigation Equipment, Facilities, Land Improvement, and Computer Technology: 2003 and 1998 - Con.

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

Geographic area	New construction or deepening of wells in survey year									
	Farms	Acres irrigated	Investment ¹ (\$1,000)	Average per farm (dollars)	Farms with investment of -					
					\$1 to \$999	\$1,000 to \$9,999	\$10,000 to \$29,999	\$30,000 to \$74,999	\$75,000 or more	
U.S. TOTAL 2003	8,977	5,779,399	151,421	16,868	210	4,220	3,102	1,101	344	
1998	5,981	5,575,690	150,838	25,220	119	2,481	2,094	(NA)	(NA)	
2003 DATA										
Alabama	25	2,870	56	2,240	13	11	1	-	-	
Alaska	-	-	-	-	-	-	-	-	-	
Arizona	237	66,548	2,771	11,692	-	150	66	18	3	
Arkansas	631	927,592	10,256	16,254	-	222	340	46	23	
California	1,169	706,827	35,213	30,122	3	48	823	134	161	
Colorado	281	226,388	5,874	20,903	-	95	149	16	21	
Connecticut	9	9	(D)	(D)	-	9	-	-	-	
Delaware	20	8,724	114	5,676	-	16	4	-	-	
Florida	277	119,036	2,933	10,587	-	231	253	13	8	
Georgia	51	46,900	1,207	23,670	-	12	21	17	1	
Hawaii	-	-	-	-	-	-	-	-	-	
Idaho	442	292,157	2,770	6,267	-	388	41	9	4	
Illinois	44	43,301	681	15,479	-	10	30	3	1	
Indiana	46	28,791	857	18,637	2	30	7	3	4	
Iowa	38	18,015	192	5,066	9	21	8	-	-	
Kansas	240	276,035	6,488	27,035	-	97	50	86	7	
Kentucky	16	1,740	85	5,309	-	14	2	-	-	
Louisiana	77	55,116	1,399	18,172	2	30	30	15	-	
Maine	34	282	(D)	(D)	-	33	1	-	-	
Maryland	10	3,039	124	12,383	-	5	3	2	-	
Massachusetts	5	572	71	14,100	-	-	5	-	-	
Michigan	140	88,119	1,878	13,417	-	78	43	18	1	
Minnesota	137	40,871	1,038	7,576	28	50	59	-	-	
Mississippi	139	278,010	1,824	13,125	1	45	78	15	-	
Missouri	121	141,404	862	7,126	3	95	18	5	-	
Montana	75	32,685	1,106	14,744	-	68	2	-	5	
Nebraska	1,355	1,088,491	26,605	19,635	-	435	525	393	2	
Nevada	42	86,206	2,494	59,386	-	4	7	17	14	
New Hampshire	7	23	40	5,663	-	7	-	-	-	
New Jersey	27	5,998	385	14,256	-	14	12	-	1	
New Mexico	261	111,065	5,902	22,613	-	139	41	63	18	
New York	15	2,630	150	10,007	-	11	1	3	-	
North Carolina	13	3,895	73	5,646	-	8	5	-	-	
North Dakota	17	10,482	272	16,001	4	4	5	4	-	
Ohio	17	(D)	150	8,847	-	16	-	1	-	
Oklahoma	66	45,912	1,567	23,738	-	30	18	16	2	
Oregon	1,124	106,551	7,696	6,847	-	960	137	25	2	
Pennsylvania	44	(D)	291	6,614	-	41	3	-	-	
Rhode Island	4	4	(D)	(D)	4	-	-	-	-	
South Carolina	140	14,484	618	4,416	112	-	21	7	-	
South Dakota	28	12,755	298	10,625	-	3	25	-	-	
Tennessee	11	6,155	121	11,018	-	8	1	2	-	
Texas	749	655,984	15,331	20,468	4	294	288	144	19	
Utah	307	71,568	4,685	15,260	-	182	92	7	26	
Vermont	11	22	47	4,273	-	11	-	-	-	
Virginia	8	3,594	140	17,513	-	-	7	1	-	
Washington	256	72,780	4,208	16,436	-	175	62	-	19	
West Virginia	6	6	12	2,050	-	6	-	-	-	
Wisconsin	48	28,112	775	16,136	-	3	44	1	-	
Wyoming	157	45,310	1,561	9,943	25	111	2	17	2	
Water Resources Areas										
WRA 01 New England	65	907	323	4,974	4	55	6	-	-	
WRA 02 Mid-Atlantic	93	23,871	1,029	11,068	-	56	30	6	1	
WRA 03 South Atlantic-Gulf	505	185,435	4,867	9,638	125	262	72	37	9	
WRA 04 Great Lakes	178	103,792	2,238	12,576	-	94	65	18	1	
WRA 05 Ohio	95	24,668	810	8,522	2	85	3	3	2	
WRA 06 Tennessee	6	2,122	39	6,500	-	5	1	-	-	
WRA 07 Upper Mississippi	237	104,483	2,636	11,120	28	90	111	5	3	
WRA 08 Lower Mississippi	810	1,242,576	11,741	14,495	6	321	402	68	13	
WRA 09 Souris-Red-Rainy	16	12,023	156	9,751	4	2	10	-	-	
WRA 10 Missouri	1,822	1,334,817	31,556	17,319	34	699	664	418	7	
WRA 11 Arkansas-White-Red	574	626,899	17,048	29,700	-	173	173	201	27	
WRA 12 Texas-Gulf	636	523,737	9,964	15,667	-	296	250	68	18	
WRA 13 Rio Grande	322	152,580	8,738	27,136	4	142	83	65	32	
WRA 14 Upper Colorado	88	43,869	1,285	14,602	-	31	53	2	2	
WRA 15 Lower Colorado	389	80,498	3,042	7,821	-	302	66	18	3	
WRA 16 Great Basin	218	139,779	6,706	30,760	-	104	50	24	40	
WRA 17 Pacific Northwest	1,741	465,096	13,017	7,477	-	1,444	240	34	23	
WRA 18 California	1,182	712,247	36,226	30,648	3	59	823	134	163	
WRA 19 Alaska	-	-	-	-	-	-	-	-	-	
WRA 20 Hawaii	-	-	-	-	-	-	-	-	-	

See footnote(s) at end of table.

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Table 23. Investment in Irrigation Equipment, Facilities, Land Improvement, and Computer Technology: 2003 and 1998 - Con.

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

Geographic area	New construction or deepening of wells in survey year - con.						
	Purpose of expenditures			Source of funding assistance			
	Replacement (farms)	Water conservation (farms)	New expansion (farms)	EQIP (farms)	Other USDA (farms)	Other public (farms)	No public funding (farms)
U.S. TOTAL	3,686	(X)	4,944	73	23	36	8,845
1998	3,005	(X)	2,976	(NA)	(NA)	(NA)	(NA)
2003 DATA							
Alabama	23	(X)	2	-	-	-	25
Alaska	-	(X)	-	-	-	-	-
Arizona	225	(X)	7	-	-	-	237
Arkansas	316	(X)	305	7	-	13	611
California	308	(X)	855	-	-	4	1,165
Colorado	114	(X)	137	36	-	-	245
Connecticut	-	(X)	9	-	-	-	9
Delaware	2	(X)	18	-	-	-	20
Florida	146	(X)	124	2	-	3	272
Georgia	10	(X)	39	-	-	-	51
Hawaii	-	(X)	-	-	-	-	-
Idaho	171	(X)	271	-	-	-	442
Illinois	21	(X)	23	-	-	-	44
Indiana	14	(X)	32	-	-	-	46
Iowa	8	(X)	21	-	-	-	38
Kansas	184	(X)	56	-	-	-	240
Kentucky	-	(X)	16	-	-	-	16
Louisiana	23	(X)	54	-	-	1	76
Maine	1	(X)	33	-	-	1	33
Maryland	7	(X)	3	-	-	2	8
Massachusetts	3	(X)	2	-	-	-	5
Michigan	15	(X)	123	-	-	-	140
Minnesota	57	(X)	80	-	-	-	137
Mississippi	55	(X)	82	4	-	-	135
Missouri	21	(X)	100	-	-	-	121
Montana	64	(X)	2	-	-	-	75
Nebraska	413	(X)	923	-	-	-	1,355
Nevada	30	(X)	12	-	-	-	42
New Hampshire	2	(X)	5	-	-	-	7
New Jersey	9	(X)	18	4	-	2	21
New Mexico	85	(X)	169	3	1	7	250
New York	6	(X)	9	-	-	-	15
North Carolina	3	(X)	10	-	-	-	13
North Dakota	12	(X)	5	-	-	-	17
Ohio	-	(X)	17	-	-	-	17
Oklahoma	28	(X)	33	2	2	-	62
Oregon	513	(X)	474	-	-	-	1,124
Pennsylvania	36	(X)	5	-	-	-	44
Rhode Island	4	(X)	-	-	-	-	4
South Carolina	112	(X)	18	10	1	-	129
South Dakota	18	(X)	10	-	-	-	28
Tennessee	3	(X)	8	-	-	3	8
Texas	249	(X)	418	5	-	-	744
Utah	228	(X)	77	-	8	-	299
Vermont	-	(X)	11	-	-	-	11
Virginia	4	(X)	4	-	3	-	5
Washington	68	(X)	188	-	-	-	256
West Virginia	-	(X)	6	-	6	-	-
Wisconsin	16	(X)	32	-	-	-	48
Wyoming	59	(X)	98	-	2	-	155
Water Resources Areas							
WRA 01 New England	10	(X)	55	-	-	1	64
WRA 02 Mid-Atlantic	31	(X)	59	4	3	4	82
WRA 03 South Atlantic-Gulf	294	(X)	192	12	1	3	489
WRA 04 Great Lakes	29	(X)	147	-	-	-	178
WRA 05 Ohio	37	(X)	58	-	6	-	89
WRA 06 Tennessee	2	(X)	4	-	-	3	3
WRA 07 Upper Mississippi	88	(X)	149	-	-	-	237
WRA 08 Lower Mississippi	353	(X)	445	11	-	14	785
WRA 09 Scouris-Red-Rainy	12	(X)	4	-	-	-	16
WRA 10 Missouri	624	(X)	1,156	9	-	-	1,813
WRA 11 Arkansas-White-Red	314	(X)	204	14	2	-	558
WRA 12 Texas-Gulf	214	(X)	389	6	-	-	630
WRA 13 Rio Grande	121	(X)	192	-	1	7	314
WRA 14 Upper Colorado	14	(X)	57	17	2	-	69
WRA 15 Lower Colorado	377	(X)	7	-	-	-	389
WRA 16 Great Basin	178	(X)	38	-	8	-	210
WRA 17 Pacific Northwest	678	(X)	922	-	-	-	1,741
WRA 18 California	310	(X)	866	-	-	4	1,178
WRA 19 Alaska	-	(X)	-	-	-	-	-
WRA 20 Hawaii	-	(X)	-	-	-	-	-

See footnote(s) at end of table.

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Table 23. Investment in Irrigation Equipment, Facilities, Land Improvement, and Computer Technology: 2003 and 1998 - Con.

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

Geographic area	Construction of permanent storage and distribution systems in survey year								
	Farms	Acres irrigated	Investment ¹ (\$1,000)	Average per farm (dollars)	Farms with investment of -				
					\$1 to \$999	\$1,000 to \$9,999	\$10,000 to \$29,999	\$30,000 to \$74,999	\$75,000 or more
U.S. TOTAL 2003 1998	10,695 11,042	3,549,223 4,836,760	67,018 209,915	6,266 19,011	4,700 5,334	4,732 3,700	945 1,270	156 (NA)	162 (NA)
2003 DATA									
Alabama	32	3,894	223	6,969	-	22	9	1	-
Alaska	-	-	-	-	-	-	-	-	-
Arizona	308	123,230	2,805	9,106	82	182	17	20	7
Arkansas	309	436,331	11,276	36,492	38	177	43	12	39
California	749	660,761	15,044	20,086	57	291	288	32	81
Colorado	984	321,075	2,869	2,916	240	680	58	3	3
Connecticut	15	176	43	2,833	2	12	1	-	-
Delaware	4	1,974	(D)	(D)	-	3	1	-	-
Florida	291	240,728	3,364	11,561	247	24	8	3	9
Georgia	93	28,091	1,554	16,711	2	37	41	13	-
Hawaii	35	48,280	1,189	33,981	8	22	1	2	2
Idaho	1,290	329,176	2,099	1,627	1,036	210	34	3	7
Illinois	19	12,015	826	43,474	14	2	1	-	2
Indiana	2	(D)	(D)	(D)	-	2	-	-	-
Iowa	14	1,658	21	1,533	11	1	2	-	-
Kansas	30	10,806	342	11,400	-	12	18	-	-
Kentucky	67	1,017	247	3,685	21	38	8	-	-
Louisiana	49	39,277	204	4,156	3	43	3	-	-
Maine	79	7,158	266	3,369	35	39	4	1	-
Maryland	34	1,266	101	2,971	-	32	2	-	-
Massachusetts	93	2,799	530	5,704	-	79	11	3	-
Michigan	201	16,352	498	2,480	54	143	-	4	-
Minnesota	10	9,255	79	7,900	-	6	4	-	-
Mississippi	25	59,552	122	4,898	-	22	3	-	-
Missouri	6	7,116	10	1,675	3	3	-	-	-
Montana	673	231,037	1,111	1,650	515	138	20	-	-
Nebraska	22	28,044	33	1,521	1	20	1	-	-
Nevada	169	101,164	2,732	16,165	79	63	22	4	1
New Hampshire	3	(D)	(D)	(D)	2	1	-	-	-
New Jersey	47	4,152	329	6,996	3	34	8	2	-
New Mexico	396	20,864	1,294	3,268	260	77	57	2	-
New York	81	2,754	96	1,183	54	25	2	-	-
North Carolina	82	5,300	350	4,262	-	75	7	-	-
North Dakota	21	10,657	61	2,892	14	6	-	1	-
Ohio	31	393	96	3,081	-	31	-	-	-
Oklahoma	73	12,362	662	9,072	2	12	58	1	-
Oregon	720	146,556	1,458	2,025	571	115	31	2	1
Pennsylvania	85	1,607	245	2,879	39	40	6	-	-
Rhode Island	5	(D)	(D)	(D)	4	1	-	-	-
South Carolina	37	6,323	414	11,191	9	15	3	10	-
South Dakota	54	6,005	644	11,932	3	35	3	13	-
Tennessee	54	(D)	250	4,633	18	36	-	-	-
Texas	1,772	150,142	3,776	2,131	483	1,265	24	-	-
Utah	522	102,851	2,078	3,980	229	261	25	7	-
Vermont	12	48	(D)	(D)	6	6	-	-	-
Virginia	87	6,302	630	7,241	9	67	7	4	-
Washington	456	112,852	4,383	9,611	316	97	30	8	5
West Virginia	-	-	-	-	-	-	-	-	-
Wisconsin	112	20,796	1,178	10,520	-	61	45	1	5
Wyoming	442	215,612	1,451	3,283	230	169	39	4	-
Water Resources Areas									
WRA 01 New England	195	10,270	849	4,354	43	132	16	4	-
WRA 02 Mid-Atlantic	260	15,064	1,333	5,128	45	184	25	6	-
WRA 03 South Atlantic-Gulf	541	282,256	5,898	10,902	258	180	67	27	9
WRA 04 Great Lakes	237	19,967	606	2,556	54	179	-	4	-
WRA 05 Ohio	155	1,791	312	2,010	98	48	9	-	-
WRA 06 Tennessee	46	2,446	261	5,674	7	38	1	-	-
WRA 07 Upper Mississippi	132	37,976	2,046	15,502	15	60	49	1	7
WRA 08 Lower Mississippi	335	464,198	11,159	33,310	36	215	33	12	39
WRA 09 Souris-Red-Rainy	11	12,656	69	6,274	4	5	1	-	-
WRA 10 Missouri	1,068	495,988	3,507	3,284	604	364	83	14	3
WRA 11 Arkansas-White-Red	231	167,291	2,003	8,671	9	108	111	3	-
WRA 12 Texas-Gulf	1,358	103,128	3,291	2,423	101	1,252	5	-	-
WRA 13 Rio Grande	857	80,241	1,886	2,200	652	133	69	3	-
WRA 14 Upper Colorado	932	207,219	2,544	2,729	220	682	27	3	-
WRA 15 Lower Colorado	389	130,600	3,291	8,461	82	261	19	20	7
WRA 16 Great Basin	393	171,586	4,344	11,054	201	128	45	11	8
WRA 17 Pacific Northwest	2,745	619,841	7,301	2,660	2,200	432	94	13	6
WRA 18 California	775	678,425	15,129	19,521	63	309	290	32	81
WRA 19 Alaska	-	-	-	-	-	-	-	-	-
WRA 20 Hawaii	35	48,280	1,189	33,981	8	22	1	2	2

See footnote(s) at end of table.

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Table 23. Investment in Irrigation Equipment, Facilities, Land Improvement, and Computer Technology: 2003 and 1998 - Con.

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

Geographic area		Construction of permanent storage and distribution systems in survey year - con.						
		Purpose of expenditures			Source of funding assistance			
		Replacement (farms)	Water conservation (farms)	New expansion (farms)	EQUIP (farms)	Other USDA (farms)	Other public (farms)	No public funding (farms)
U.S. TOTAL	2003 .. 3,469 1998 .. 3,660	2,954 4,760	4,272 2,622	291 (NA)	132 (NA)	157 (NA)	10,115 (NA)	
2003 DATA								
Alabama	-	2	30	-	-	-	32	
Alaska	-	-	-	-	-	-	-	
Arizona	137	97	74	10	14	2	282	
Arkansas	92	113	104	30	23	23	233	
California	170	212	367	71	18	-	660	
Colorado	220	428	336	21	17	-	946	
Connecticut	1	-	14	2	-	-	13	
Delaware	-	3	1	-	-	-	4	
Florida	275	12	4	2	2	7	280	
Georgia	17	32	44	-	2	-	91	
Hawaii	13	11	11	-	-	-	35	
Idaho	418	358	514	26	-	-	1,264	
Illinois	1	-	18	-	-	-	19	
Indiana	-	-	2	-	-	-	2	
Iowa	4	9	1	-	-	-	14	
Kansas	-	-	30	-	-	-	30	
Kentucky	16	1	50	-	7	7	53	
Louisiana	8	11	30	5	-	1	43	
Maine	4	-	75	-	-	5	74	
Maryland	31	-	3	-	-	-	34	
Massachusetts	11	53	29	10	10	-	73	
Michigan	26	80	95	-	-	-	201	
Minnesota	7	2	1	-	-	-	10	
Mississippi	7	10	8	2	-	-	23	
Missouri	2	4	-	-	-	-	6	
Montana	492	116	65	3	-	7	663	
Nebraska	1	19	2	-	-	-	22	
Nevada	75	60	34	4	-	2	163	
New Hampshire	2	-	1	-	-	-	3	
New Jersey	11	3	33	1	-	-	46	
New Mexico	43	61	292	48	-	19	329	
New York	7	8	66	-	6	-	75	
North Carolina	-	15	67	-	-	-	82	
North Dakota	16	-	5	-	-	-	21	
Ohio	-	-	31	-	-	-	31	
Oklahoma	5	8	60	-	2	-	71	
Oregon	122	59	539	26	2	-	692	
Pennsylvania	35	3	47	-	-	-	85	
Rhode Island	1	4	-	-	-	-	5	
South Carolina	-	23	14	-	-	-	37	
South Dakota	30	14	10	11	3	-	40	
Tennessee	18	18	18	-	-	-	54	
Texas	534	450	788	5	25	-	1,742	
Utah	45	323	154	-	-	81	441	
Vermont	6	6	-	-	-	-	12	
Virginia	12	69	6	-	-	-	87	
Washington	304	70	82	-	-	3	453	
West Virginia	-	-	-	-	-	-	-	
Wisconsin	32	27	53	-	-	-	112	
Wyoming	218	160	64	14	1	-	427	
Water Resources Areas								
WRA 01 New England	19	57	119	12	10	5	168	
WRA 02 Mid-Atlantic	91	83	86	1	6	-	253	
WRA 03 South Atlantic-Gulf	301	84	156	2	4	7	528	
WRA 04 Great Lakes	28	80	129	-	-	-	237	
WRA 05 Ohio	18	28	109	-	7	7	141	
WRA 06 Tennessee	18	-	28	-	-	-	46	
WRA 07 Upper Mississippi	35	28	69	-	-	-	132	
WRA 08 Lower Mississippi	96	110	129	32	23	24	256	
WRA 09 Souris-Red-Rainy	9	1	1	-	-	-	11	
WRA 10 Missouri	543	301	224	24	3	7	1,034	
WRA 11 Arkansas-White-Red	59	56	116	22	2	-	207	
WRA 12 Texas-Gulf	521	437	400	5	25	-	1,328	
WRA 13 Rio Grande	64	99	694	48	17	19	773	
WRA 14 Upper Colorado	97	486	349	5	1	74	852	
WRA 15 Lower Colorado	144	171	74	12	14	2	361	
WRA 16 Great Basin	106	215	72	2	-	9	382	
WRA 17 Pacific Northwest	1,137	484	1,124	55	2	3	2,685	
WRA 18 California	170	223	382	71	18	-	686	
WRA 19 Alaska	-	-	-	-	-	-	-	
WRA 20 Hawaii	13	11	11	-	-	-	35	

See footnote(s) at end of table.

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Table 23. Investment in Irrigation Equipment, Facilities, Land Improvement, and Computer Technology: 2003 and 1998 - Con.

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

Geographic area	Land clearing and leveling in survey year								
	Farms	Acres irrigated	Investment ¹ (\$1,000)	Average per farm (dollars)	Farms with investment of -				
					\$1 to \$999	\$1,000 to \$9,999	\$10,000 to \$29,999	\$30,000 to \$74,999	\$75,000 or more
U.S. TOTAL 2003 1998	9,404 9,246	4,604,493 4,847,251	75,690 88,265	8,049 9,546	3,446 2,536	3,995 4,391	1,471 1,753	347 (NA)	145 (NA)
2003 DATA									
Alabama	5	4,000	38	7,500	-	3	2	-	-
Alaska	6	(D)	7	1,167	4	2	-	-	-
Arizona	219	171,338	6,277	28,664	68	53	44	28	26
Arkansas	529	714,969	13,419	25,367	13	177	214	89	36
California	1,312	1,202,559	16,898	12,879	22	735	430	109	16
Colorado	557	76,795	787	1,413	246	309	1	-	1
Connecticut	2	(D)	(D)	(D)	-	2	-	-	-
Delaware	4	1,245	25	6,348	-	4	-	-	-
Florida	57	238,213	2,427	42,571	2	10	28	10	7
Georgia	138	43,272	777	5,633	77	35	20	6	-
Hawaii	63	358	169	2,684	1	61	1	-	-
Idaho	744	193,645	1,855	2,493	582	66	92	3	1
Illinois	14	21,298	355	25,361	2	9	2	-	1
Indiana	11	7,962	86	7,782	-	7	4	-	-
Iowa	5	2,895	8	1,636	2	3	-	-	-
Kansas	41	19,880	383	9,341	-	40	-	-	1
Kentucky	15	(D)	30	2,010	14	-	1	-	-
Louisiana	172	136,255	2,847	16,552	7	79	55	26	5
Maine	12	6,477	196	16,365	4	5	1	-	2
Maryland	-	-	-	-	-	-	-	-	-
Massachusetts	9	273	(D)	(D)	-	9	-	-	-
Michigan	116	41,815	221	1,909	64	49	3	-	-
Minnesota	71	22,891	325	4,572	2	61	8	-	-
Mississippi	136	273,053	3,986	29,311	4	51	39	30	12
Missouri	75	107,042	1,439	19,185	2	32	26	12	3
Montana	528	170,151	2,157	4,085	234	221	69	1	3
Nebraska	497	398,342	3,377	6,794	149	171	177	-	-
Nevada	144	102,196	1,302	9,044	23	55	65	1	-
New Hampshire	1	(D)	(D)	(D)	-	1	-	-	-
New Jersey	23	3,878	131	5,687	6	14	1	2	-
New Mexico	753	36,503	1,278	1,698	564	164	14	8	3
New York	2	(D)	(D)	(D)	-	2	-	-	-
North Carolina	73	8,410	630	8,630	-	52	21	-	-
North Dakota	25	16,741	165	6,589	10	12	-	3	-
Ohio	14	(D)	(D)	(D)	-	13	1	-	-
Oklahoma	78	32,506	489	6,264	5	65	6	2	-
Oregon	83	42,091	460	5,542	8	62	13	-	-
Pennsylvania	14	1,147	112	8,029	6	-	8	-	-
Rhode Island	8	60	28	3,500	-	8	-	-	-
South Carolina	36	10,452	375	10,417	-	19	14	3	-
South Dakota	44	12,391	409	9,304	12	21	-	11	-
Tennessee	37	645	(D)	(D)	37	-	-	-	-
Texas	1,112	178,074	5,023	4,517	410	619	78	-	5
Utah	774	88,266	842	1,088	525	231	18	-	-
Vermont	6	30	(D)	(D)	6	-	-	-	-
Virginia	74	1,653	342	4,619	-	73	-	1	-
Washington	427	101,477	5,340	12,506	134	260	9	2	22
West Virginia	-	-	-	-	-	-	-	-	-
Wisconsin	36	17,637	160	4,439	16	17	2	-	1
Wyoming	302	91,055	431	1,427	185	113	4	-	-
Water Resources Areas									
WRA 01 New England	32	6,970	261	8,168	4	25	1	-	2
WRA 02 Mid-Atlantic	106	7,503	587	5,533	15	79	9	3	-
WRA 03 South Atlantic-Gulf	306	300,497	4,224	13,803	79	117	84	19	7
WRA 04 Great Lakes	151	47,583	291	1,926	80	66	5	-	-
WRA 05 Ohio	55	10,867	105	1,910	35	16	4	-	-
WRA 06 Tennessee	6	(D)	38	6,250	-	5	1	-	-
WRA 07 Upper Mississippi	82	53,351	798	9,729	6	63	9	2	2
WRA 08 Lower Mississippi	778	1,072,914	15,471	19,885	45	304	267	123	39
WRA 09 Souris-Red-Rainy	35	15,985	158	4,503	4	27	3	1	-
WRA 10 Missouri	1,210	678,416	6,480	5,356	412	530	251	14	3
WRA 11 Arkansas-White-Red	258	205,852	7,062	27,372	5	124	77	34	18
WRA 12 Texas-Gulf	711	163,563	4,348	6,116	28	617	61	-	5
WRA 13 Rio Grande	1,108	50,176	1,805	1,629	908	164	25	8	3
WRA 14 Upper Colorado	756	91,188	1,021	1,350	335	415	5	-	1
WRA 15 Lower Colorado	299	177,660	6,331	21,174	142	57	46	28	26
WRA 16 Great Basin	684	162,213	1,876	2,743	430	175	78	1	-
WRA 17 Pacific Northwest	1,438	343,935	7,742	5,384	886	410	114	5	23
WRA 18 California	1,320	1,210,812	16,918	12,817	27	738	430	109	16
WRA 19 Alaska	6	(D)	7	1,167	4	2	-	-	-
WRA 20 Hawaii	63	358	169	2,684	1	61	1	-	-

See footnote(s) at end of table.

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Table 23. Investment in Irrigation Equipment, Facilities, Land Improvement, and Computer Technology: 2003 and 1998 - Con.

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

Geographic area	Land clearing and leveling in survey year - con.							
	Purpose of expenditures			Source of funding assistance				
	Replacement (farms)	Water conservation (farms)	New expansion (farms)	EQIP (farms)	Other USDA (farms)	Other public (farms)	No public funding (farms)	
U.S. TOTAL	2003 1998	(X) (X)	2,915 4,490	5,315 4,756	203 (NA)	76 (NA)	29 (NA)	9,096 (NA)
2003 DATA								
Alabama		(X)	-	5	-	-	-	5
Alaska		(X)	-	6	-	-	-	6
Arizona		(X)	169	23	12	19	-	188
Arkansas		(X)	285	229	23	-	13	493
California		(X)	625	330	1	-	-	1,311
Colorado		(X)	40	479	-	-	-	557
Connecticut		(X)	-	2	-	-	-	2
Delaware		(X)	-	4	-	-	-	4
Florida		(X)	11	24	2	-	-	55
Georgia		(X)	7	129	-	-	-	138
Hawaii		(X)	-	44	-	-	-	63
Idaho		(X)	113	595	-	3	-	741
Illinois		(X)	-	13	-	-	-	14
Indiana		(X)	-	9	-	-	-	11
Iowa		(X)	-	5	-	-	-	5
Kansas		(X)	4	19	-	-	-	41
Kentucky		(X)	-	15	-	-	-	15
Louisiana		(X)	74	84	18	4	-	150
Maine		(X)	-	12	-	-	-	12
Maryland		(X)	-	-	-	-	-	-
Massachusetts		(X)	-	3	-	-	-	9
Michigan		(X)	26	90	-	-	-	116
Minnesota		(X)	9	32	-	-	-	71
Mississippi		(X)	55	73	13	-	-	123
Missouri		(X)	19	47	4	-	-	71
Montana		(X)	139	370	59	-	3	466
Nebraska		(X)	19	423	-	-	-	497
Nevada		(X)	34	96	12	-	1	131
New Hampshire		(X)	-	1	-	-	-	1
New Jersey		(X)	18	5	-	-	-	23
New Mexico		(X)	452	295	-	48	-	705
New York		(X)	-	2	-	-	-	2
North Carolina		(X)	5	64	-	-	-	73
North Dakota		(X)	6	9	-	-	2	23
Ohio		(X)	-	14	-	-	-	14
Oklahoma		(X)	9	67	-	-	-	78
Oregon		(X)	63	20	-	-	3	80
Pennsylvania		(X)	-	14	-	-	-	14
Rhode Island		(X)	-	8	-	-	-	8
South Carolina		(X)	14	21	-	-	-	36
South Dakota		(X)	14	26	11	-	-	33
Tennessee		(X)	-	19	-	-	-	37
Texas		(X)	171	785	30	-	4	1,078
Utah		(X)	420	270	17	2	3	752
Vermont		(X)	-	-	-	-	-	6
Virginia		(X)	-	74	-	-	-	74
Washington		(X)	12	271	-	-	-	427
West Virginia		(X)	-	-	-	-	-	-
Wisconsin		(X)	9	27	-	-	-	36
Wyoming		(X)	93	162	1	-	-	301
Water Resources Areas								
WRA 01 New England		(X)	-	26	-	-	-	32
WRA 02 Mid-Atlantic		(X)	18	82	-	-	-	106
WRA 03 South Atlantic-Gulf		(X)	37	240	2	-	-	304
WRA 04 Great Lakes		(X)	27	124	-	-	-	151
WRA 05 Ohio		(X)	-	35	-	-	-	55
WRA 06 Tennessee		(X)	-	6	-	-	-	6
WRA 07 Upper Mississippi		(X)	18	57	-	-	-	82
WRA 08 Lower Mississippi		(X)	391	346	52	4	13	709
WRA 09 Souris-Red-Rainy		(X)	1	6	-	-	-	35
WRA 10 Missouri		(X)	278	794	71	-	5	1,134
WRA 11 Arkansas-White-Red		(X)	59	190	6	-	-	252
WRA 12 Texas-Gulf		(X)	152	403	30	-	4	677
WRA 13 Rio Grande		(X)	427	677	-	48	-	1,060
WRA 14 Upper Colorado		(X)	91	550	-	-	-	756
WRA 15 Lower Colorado		(X)	245	27	12	19	-	268
WRA 16 Great Basin		(X)	354	306	29	2	4	649
WRA 17 Pacific Northwest		(X)	187	1,063	-	3	-	1,435
WRA 18 California		(X)	630	333	1	-	3	1,316
WRA 19 Alaska		(X)	-	6	-	-	-	6
WRA 20 Hawaii		(X)	-	44	-	-	-	63

See footnote(s) at end of table.

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Table 23. Investment in Irrigation Equipment, Facilities, Land Improvement, and Computer Technology: 2003 and 1998 - Con.

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

Geographic area	Computers, control panels, and software for irrigation water management in survey year									
	Farms	Acres irrigated	Investment ¹ (\$1,000)	Average per farm (dollars)	Farms with investment of -					
					\$1 to \$999	\$1,000 to \$9,999	\$10,000 to \$29,999	\$30,000 to \$74,999	\$75,000 or more	
U.S. TOTAL	3,954	2,277,913	14,393	3,640	1,413	2,223	212	102	4	
1998 ..	1,291	1,525,653	7,898	6,118	262	864	93	(NA)	(NA)	
2003 DATA										
Alabama	3	(D)	17	5,667	-	2	1	-	-	
Alaska	-	-	-	-	-	-	-	-	-	
Arizona	95	43,933	92	972	79	15	1	-	-	
Arkansas	31	63,765	156	5,033	5	21	5	-	-	
California	442	298,335	3,996	9,041	104	220	64	54	-	
Colorado	195	109,724	627	3,218	57	114	24	-	-	
Connecticut	1	(D)	(D)	(D)	-	1	-	-	-	
Delaware	4	3,000	(D)	(D)	2	2	-	-	-	
Florida	389	77,759	520	1,337	281	96	9	3	-	
Georgia	20	16,874	80	4,000	2	15	3	-	-	
Hawaii	44	(D)	49	1,106	28	15	1	-	-	
Idaho	170	282,732	1,283	7,546	29	112	19	7	3	
Illinois	22	27,636	107	4,879	3	16	3	-	-	
Indiana	8	5,918	(D)	(D)	2	5	1	-	-	
Iowa	21	1,934	24	1,119	8	13	-	-	-	
Kansas	79	128,115	239	3,027	30	44	5	-	-	
Kentucky	17	2,504	17	1,014	16	-	1	-	-	
Louisiana	24	14,188	35	1,443	17	6	1	-	-	
Maine	2	(D)	(D)	(D)	-	2	-	-	-	
Maryland	27	1,915	11	398	26	1	-	-	-	
Massachusetts	2	(D)	(D)	(D)	-	2	-	-	-	
Michigan	126	32,452	197	1,563	51	74	1	-	-	
Minnesota	30	28,467	79	2,642	9	20	1	-	-	
Mississippi	8	23,653	17	2,063	4	4	-	-	-	
Missouri	30	30,509	89	2,967	-	30	-	-	-	
Montana	51	95,400	397	7,788	13	31	-	7	-	
Nebraska	302	236,737	987	3,267	18	265	19	-	-	
Nevada	24	35,456	132	5,485	2	19	3	-	-	
New Hampshire	3	3	(D)	(D)	3	-	-	-	-	
New Jersey	6	436	5	821	2	4	-	-	-	
New Mexico	112	49,967	356	3,178	20	79	13	-	-	
New York	5	230	(D)	(D)	-	5	-	-	-	
North Carolina	127	4,105	86	680	112	15	-	-	-	
North Dakota	20	13,137	57	2,854	14	3	3	-	-	
Ohio	1	(D)	(D)	(D)	-	1	-	-	-	
Oklahoma	16	7,843	36	2,263	11	4	1	-	-	
Oregon	559	100,777	1,184	2,117	146	409	2	1	1	
Pennsylvania	41	919	24	583	40	1	-	-	-	
Rhode Island	-	-	-	-	-	-	-	-	-	
South Carolina	16	7,632	35	2,188	10	4	2	-	-	
South Dakota	20	4,110	16	805	17	3	-	-	-	
Tennessee	2	(D)	(D)	(D)	-	2	-	-	-	
Texas	245	181,503	755	3,083	51	185	4	5	-	
Utah	26	16,300	76	2,911	-	26	-	-	-	
Vermont	-	-	-	-	-	-	-	-	-	
Virginia	5	3,219	28	5,600	-	3	2	-	-	
Washington	518	205,607	2,259	4,361	186	287	21	24	-	
West Virginia	-	-	-	-	-	-	-	-	-	
Wisconsin	21	36,635	140	6,676	-	18	2	1	-	
Wyoming	44	37,274	120	2,735	15	29	-	-	-	
Water Resources Areas										
WRA 01 New England	8	5,141	13	1,590	3	5	-	-	-	
WRA 02 Mid-Atlantic	80	(D)	73	910	67	11	2	-	-	
WRA 03 South Atlantic-Gulf	443	105,280	667	1,505	296	130	14	3	-	
WRA 04 Great Lakes	144	48,992	286	1,985	51	89	4	-	-	
WRA 05 Ohio	29	10,351	31	1,081	24	5	-	-	-	
WRA 06 Tennessee	112	3,160	72	638	109	2	1	-	-	
WRA 07 Upper Mississippi	81	66,492	272	3,363	11	66	3	1	-	
WRA 08 Lower Mississippi	66	94,803	230	3,487	26	33	7	-	-	
WRA 09 Souris-Red-Rainy	22	18,501	55	2,485	14	6	2	-	-	
WRA 10 Missouri	485	434,832	1,788	3,687	74	382	22	7	-	
WRA 11 Arkansas-White-Red	235	250,178	624	2,655	64	163	8	-	-	
WRA 12 Texas-Gulf	195	117,100	574	2,944	38	146	6	5	-	
WRA 13 Rio Grande	150	70,455	599	3,994	47	71	32	-	-	
WRA 14 Upper Colorado	31	23,210	68	2,181	12	19	-	-	-	
WRA 15 Lower Colorado	95	43,933	92	972	79	15	1	-	-	
WRA 16 Great Basin	62	58,908	312	5,034	2	49	11	-	-	
WRA 17 Pacific Northwest	1,226	575,648	4,589	3,743	362	794	34	32	4	
WRA 18 California	446	303,841	4,000	8,968	106	222	64	54	-	
WRA 19 Alaska	-	-	-	-	-	-	-	-	-	
WRA 20 Hawaii	44	(D)	49	1,106	28	15	1	-	-	

See footnote(s) at end of table.

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Table 23. Investment in Irrigation Equipment, Facilities, Land Improvement, and Computer Technology: 2003 and 1998 - Con.

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

Geographic area	Computers, control panels, and software for irrigation water management in survey year - con.						
	Purpose of expenditures			Source of funding assistance			
	Replacement (farms)	Water conservation (farms)	New expansion (farms)	EQIP (farms)	Other USDA (farms)	Other public (farms)	No public funding (farms)
U.S. TOTAL 2003 1998	1,225 (NA)	737 (NA)	1,992 (NA)	42 (NA)	154 (NA)	23 (NA)	3,735 (NA)
2003 DATA							
Alabama	2	-	1	-	-	-	3
Alaska	-	-	-	-	-	-	-
Arizona	64	5	26	-	-	-	95
Arkansas	5	10	16	-	-	-	31
California	186	126	130	-	50	-	392
Colorado	58	87	50	10	-	-	185
Connecticut	-	-	1	-	-	-	1
Delaware	2	-	2	-	-	-	4
Florida	28	10	351	-	-	-	389
Georgia	13	4	3	-	-	-	20
Hawaii	13	22	9	-	-	-	44
Idaho	69	45	56	-	-	-	170
Illinois	8	2	12	-	-	-	22
Indiana	2	-	6	-	-	-	8
Iowa	9	-	12	-	-	-	21
Kansas	34	31	14	-	-	-	79
Kentucky	14	-	3	-	-	-	17
Louisiana	17	-	7	-	-	15	9
Maine	-	-	2	-	-	-	2
Maryland	2	-	25	-	-	-	27
Massachusetts	-	-	2	-	-	-	2
Michigan	31	3	92	-	-	-	126
Minnesota	8	7	15	4	-	-	26
Mississippi	8	-	-	-	-	-	8
Missouri	15	-	15	-	-	-	30
Montana	5	22	24	3	-	-	42
Nebraska	19	42	241	1	82	-	219
Nevada	16	2	6	-	-	-	24
New Hampshire	3	-	-	-	-	-	3
New Jersey	2	4	-	4	-	-	2
New Mexico	79	22	11	2	-	-	110
New York	-	-	5	-	-	-	5
North Carolina	3	-	124	-	-	-	127
North Dakota	8	2	10	-	-	-	20
Ohio	1	-	-	-	-	-	1
Oklahoma	13	1	2	-	-	-	16
Oregon	154	24	381	12	-	-	547
Pennsylvania	3	-	38	-	-	-	41
Rhode Island	-	-	-	-	-	-	-
South Carolina	10	2	4	-	-	-	16
South Dakota	2	15	3	-	-	-	20
Tennessee	-	-	2	-	-	-	2
Texas	177	20	48	4	-	-	241
Utah	9	13	4	-	2	2	22
Vermont	-	-	-	-	-	-	-
Virginia	5	-	-	-	-	-	5
Washington	113	204	201	2	7	-	509
West Virginia	-	-	-	-	-	-	-
Wisconsin	10	3	8	-	-	-	21
Wyoming	5	9	30	-	13	-	31
Water Resources Areas							
WRA 01 New England	3	-	5	-	-	-	8
WRA 02 Mid-Atlantic	14	4	62	4	-	-	76
WRA 03 South Atlantic-Gulf	54	16	373	-	-	-	443
WRA 04 Great Lakes	38	5	101	-	-	-	144
WRA 05 Ohio	19	-	10	-	-	-	29
WRA 06 Tennessee	2	-	110	-	-	-	112
WRA 07 Upper Mississippi	39	7	35	-	-	-	81
WRA 08 Lower Mississippi	30	5	31	-	-	15	51
WRA 09 Souris-Red-Rainy	2	5	15	4	-	-	18
WRA 10 Missouri	48	105	332	4	95	6	380
WRA 11 Arkansas-White-Red	164	43	28	2	-	-	233
WRA 12 Texas-Gulf	133	16	46	4	-	-	191
WRA 13 Rio Grande	55	74	21	10	-	-	140
WRA 14 Upper Colorado	7	14	10	-	-	2	29
WRA 15 Lower Colorado	64	5	26	-	-	-	95
WRA 16 Great Basin	31	21	10	-	2	-	60
WRA 17 Pacific Northwest	321	267	638	14	7	-	1,205
WRA 18 California	188	128	130	-	50	-	396
WRA 19 Alaska	-	-	-	-	-	-	-
WRA 20 Hawaii	13	22	9	-	-	-	44

¹ May not add due to rounding.