

Table 8. Estimated Quantity of Water Applied Using Only One Method of Distribution: 2003 and 1998

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

Geographic area	Water applied by all methods			Only sprinkler systems			Only gravity flow systems		
	Acres irrigated	Acre-feet applied	Average acre-feet per acre	Farms	Acres irrigated	Average acre-feet per acre	Farms	Acres irrigated	Average acre-feet per acre
U.S. TOTAL	52,583,431	86,894,031	1.7	78,309	18,329,192	1.3	73,780	15,756,554	2.0
1998	54,249,965	97,335,291	1.8	69,006	16,273,162	1.3	88,249	19,009,932	2.2
2003 DATA									
Alabama	52,722	35,630	0.7	302	46,544	0.7	22	296	0.7
Alaska	2,252	1,917	0.9	53	2,164	0.9	1	(D)	(D)
Arizona	836,587	3,751,834	4.5	101	67,281	3.4	1,869	565,004	4.5
Arkansas	3,944,867	4,266,308	1.1	662	136,638	0.5	3,216	2,784,090	1.2
California	8,471,936	24,847,229	2.9	5,259	686,274	2.3	16,736	3,528,845	3.3
Colorado	2,562,329	3,984,941	1.6	2,717	895,528	1.5	7,062	1,025,669	1.6
Connecticut	2,213	923	0.4	102	1,163	0.4	-	-	-
Delaware	69,088	27,813	0.4	188	58,935	0.4	-	-	-
Florida	1,497,653	1,851,324	1.2	2,187	140,056	1.0	465	354,435	1.4
Georgia	710,893	313,531	0.4	1,782	531,927	0.4	21	25,000	0.3
Hawaii	78,538	310,335	4.0	436	2,022	1.4	77	2,202	1.0
Idaho	3,126,857	6,063,947	1.9	5,830	1,713,560	1.9	6,223	533,411	1.9
Illinois	374,919	236,796	0.6	1,060	360,337	0.6	46	3,147	0.6
Indiana	276,294	131,684	0.5	856	257,829	0.5	32	1,196	0.7
Iowa	134,164	62,667	0.5	497	105,533	0.4	73	2,821	0.6
Kansas	2,543,950	3,145,502	1.2	3,062	1,674,257	1.2	892	103,036	1.2
Kentucky	20,685	9,465	0.5	705	16,711	0.4	17	1,147	1.0
Louisiana	838,717	925,547	1.1	194	27,386	0.5	1,739	642,531	1.3
Maine	18,163	11,094	0.6	288	13,406	0.5	2	(D)	(D)
Maryland	53,734	21,222	0.4	249	45,533	0.4	24	120	(D)
Massachusetts	16,151	89,887	5.6	613	14,143	5.8	69	962	6.2
Michigan	432,665	218,245	0.5	1,644	385,237	0.5	-	-	-
Minnesota	434,500	293,661	0.7	1,453	415,542	0.6	21	12,577	1.4
Mississippi	1,169,793	957,070	0.8	467	83,625	0.6	421	464,698	1.1
Missouri	1,020,728	684,862	0.7	840	242,705	0.5	625	423,666	0.8
Montana	2,131,955	2,823,919	1.3	2,191	366,564	1.3	5,017	936,961	1.3
Nebraska	7,516,171	8,450,468	1.1	7,171	3,046,106	1.1	2,850	659,127	1.2
Nevada	639,310	1,590,900	2.5	309	160,118	3.0	1,084	304,983	2.2
New Hampshire	818	542	0.7	72	383	0.6	5	25	(D)
New Jersey	46,679	35,229	0.8	435	18,380	0.5	33	408	1.3
New Mexico	769,787	1,818,471	2.4	1,055	310,193	2.1	5,383	313,248	2.6
New York	48,545	18,016	0.4	691	25,681	0.2	-	-	-
North Carolina	101,055	55,007	0.5	1,694	87,249	0.4	5	1,550	0.8
North Dakota	207,772	203,998	1.0	395	166,107	0.9	98	24,920	1.7
Ohio	14,476	15,883	1.1	308	7,580	1.5	16	550	1.2
Oklahoma	508,842	608,374	1.2	1,240	398,683	1.2	262	47,952	1.4
Oregon	1,731,660	3,286,305	1.9	9,558	810,468	1.6	2,546	407,099	2.0
Pennsylvania	19,633	8,563	0.4	702	9,636	0.4	9	(D)	0.9
Rhode Island	648	593	0.9	20	316	0.3	4	(D)	3.0
South Carolina	52,046	30,332	0.6	392	36,724	0.5	17	570	1.2
South Dakota	390,406	981,405	2.5	832	252,485	0.9	448	87,956	8.0
Tennessee	34,429	17,150	0.5	460	27,639	0.4	60	908	1.0
Texas	4,947,745	5,954,825	1.2	5,786	2,694,858	1.1	5,715	1,005,018	1.4
Utah	1,082,213	2,298,490	2.1	3,004	274,933	2.1	5,417	411,039	1.9
Vermont	825	510	0.6	69	359	0.3	-	-	-
Virginia	33,635	12,886	0.4	492	27,467	0.4	-	-	-
Washington	1,806,782	3,904,571	2.2	7,644	1,176,109	2.0	1,925	147,626	2.9
West Virginia	801	875	1.1	48	458	1.3	-	-	-
Wisconsin	391,763	356,564	0.9	1,299	388,206	0.9	17	1,258	7.0
Wyoming	1,415,037	2,176,722	1.5	895	118,154	1.5	3,216	930,358	1.5
Water Resources Areas									
WRA 01 New England	38,410	103,240	2.7	1,137	29,620	3.1	80	1,039	5.9
WRA 02 Mid-Atlantic	233,602	111,546	0.5	1,980	160,930	0.4	63	585	1.0
WRA 03 South Atlantic-Gulf	2,410,814	2,284,613	0.9	6,846	841,847	0.6	532	382,887	1.3
WRA 04 Great Lakes	611,881	312,299	0.5	2,596	547,547	0.5	-	-	-
WRA 05 Ohio	220,290	116,127	0.5	1,851	195,901	0.5	83	1,774	0.8
WRA 06 Tennessee	31,065	19,278	0.6	387	23,374	0.6	18	(D)	(D)
WRA 07 Upper Mississippi	1,145,841	816,816	0.7	3,779	1,104,437	0.7	113	16,688	1.2
WRA 08 Lower Mississippi	6,199,006	6,007,394	1.0	1,003	353,007	0.6	5,177	3,857,723	1.1
WRA 09 Souris-Red-Rainy	183,590	146,513	0.8	458	165,837	0.7	28	11,988	1.4
WRA 10 Missouri	12,922,399	16,653,067	1.3	12,647	4,769,659	1.1	12,787	2,588,862	1.7
WRA 11 Arkansas-White-Red	5,285,088	6,577,931	1.2	5,211	3,107,751	1.2	3,875	1,024,748	1.3
WRA 12 Texas-Gulf	3,284,293	3,887,363	1.2	4,847	1,598,199	1.1	4,020	773,644	1.5
WRA 13 Rio Grande	799,492	1,819,442	2.3	740	309,927	1.9	5,774	270,128	2.5
WRA 14 Upper Colorado	1,366,203	2,045,980	1.5	2,691	195,939	1.6	4,862	842,149	1.4
WRA 15 Lower Colorado	897,445	3,932,196	4.4	343	91,290	3.3	2,089	586,512	4.5
WRA 16 Great Basin	1,516,775	3,409,906	2.2	2,359	400,842	2.4	6,068	641,066	2.1
WRA 17 Pacific Northwest	6,679,626	13,056,086	2.0	23,069	3,679,866	1.9	11,219	1,173,668	1.9
WRA 18 California	8,676,821	25,281,982	2.9	5,876	749,033	2.2	16,914	3,580,843	3.3
WRA 19 Alaska	2,252	1,917	0.9	53	2,164	0.9	1	(D)	(D)
WRA 20 Hawaii	78,538	310,335	4.0	436	2,022	1.4	77	2,202	1.0

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Table 8. Estimated Quantity of Water Applied Using Only One Method of Distribution: 2003 and 1998 - Con.

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

Geographic area	Only drip, trickle, or low-flow micro sprinkler systems			Only subirrigation		
	Farms	Acres irrigated	Average acre-feet per acre	Farms	Acres irrigated	Average acre-feet per acre
U.S. TOTAL 2003 . .	33,352	1,730,792	1.7	47	67,435	1.2
1998 . .	28,112	1,380,659	1.8	4,510	241,427	2.3
2003 DATA						
Alabama	233	2,526	1.2	-	-	-
Alaska	19	58	0.7	-	-	-
Arizona	645	13,695	3.4	-	-	-
Arkansas	200	1,200	1.3	-	-	-
California	16,746	957,984	2.3	-	-	-
Colorado	-	-	-	-	-	-
Connecticut	116	658	0.5	-	-	-
Delaware	4	108	0.2	-	-	-
Florida	4,410	518,833	1.1	41	65,593	1.2
Georgia	819	54,126	0.4	-	-	-
Hawaii	621	16,063	2.5	-	-	-
Idaho	251	502	0.6	-	-	-
Illinois	54	960	0.9	-	-	-
Indiana	234	1,561	0.4	-	-	-
Iowa	77	238	1.1	-	-	-
Kansas	-	-	-	-	-	-
Kentucky	176	918	0.7	-	-	-
Louisiana	180	3,741	0.7	-	-	-
Maine	136	(D)	(D)	-	-	-
Maryland	185	1,794	0.6	-	-	-
Massachusetts	110	374	(D)	2	(D)	(D)
Michigan	527	8,781	0.3	-	-	-
Minnesota	113	2,030	0.4	2	(D)	(D)
Mississippi	333	333	0.1	-	-	-
Missouri	87	4,852	0.2	-	-	-
Montana	162	648	0.8	-	-	-
Nebraska	91	182	0.1	-	-	-
Nevada	40	40	0.5	2	(D)	(D)
New Hampshire	61	230	0.7	-	-	-
New Jersey	192	5,103	0.7	-	-	-
New Mexico	99	2,959	1.0	-	-	-
New York	535	12,113	0.4	-	-	-
North Carolina	421	9,693	1.3	-	-	-
North Dakota	6	12	0.5	-	-	-
Ohio	251	1,693	0.4	-	-	-
Oklahoma	109	109	1.0	-	-	-
Oregon	867	3,999	2.3	-	-	-
Pennsylvania	720	4,076	0.5	-	-	-
Rhode Island	32	(D)	0.8	-	-	-
South Carolina	393	6,890	0.9	-	-	-
South Dakota	46	736	1.0	-	-	-
Tennessee	174	2,804	0.9	-	-	-
Texas	1,291	48,101	1.0	-	-	-
Utah	74	4,440	3.0	-	-	-
Vermont	99	313	0.7	-	-	-
Virginia	403	5,348	0.4	-	-	-
Washington	891	24,383	1.5	-	-	-
West Virginia	49	297	0.4	-	-	-
Wisconsin	70	1,184	0.7	-	-	-
Wyoming	-	-	-	-	-	-
Water Resources Areas						
WRA 01 New England	515	5,548	0.9	2	(D)	(D)
WRA 02 Mid-Atlantic	1,664	20,437	0.6	-	-	-
WRA 03 South Atlantic-Gulf	6,470	589,778	1.1	41	65,593	1.2
WRA 04 Great Lakes	814	18,191	0.3	-	-	-
WRA 05 Ohio	844	3,385	0.5	-	-	-
WRA 06 Tennessee	350	5,347	0.7	-	-	-
WRA 07 Upper Mississippi	323	5,679	0.5	-	-	-
WRA 08 Lower Mississippi	166	2,914	0.6	-	-	-
WRA 09 Souris-Red-Rainy	-	-	-	2	(D)	(D)
WRA 10 Missouri	217	3,882	0.3	-	-	-
WRA 11 Arkansas-White-Red	284	2,778	0.9	-	-	-
WRA 12 Texas-Gulf	1,291	48,101	1.0	-	-	-
WRA 13 Rio Grande	49	1,225	1.0	-	-	-
WRA 14 Upper Colorado	-	-	-	-	-	-
WRA 15 Lower Colorado	768	19,850	3.1	2	(D)	(D)
WRA 16 Great Basin	40	40	0.5	-	-	-
WRA 17 Pacific Northwest	2,171	29,532	1.6	-	-	-
WRA 18 California	16,746	957,984	2.3	-	-	-
WRA 19 Alaska	19	58	0.7	-	-	-
WRA 20 Hawaii	621	16,063	2.5	-	-	-