

Table 11. Estimated Quantity of Water Applied by Source or Supplier: 2008 and 2003

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

Geographic area	Water applied from all sources			Ground water (from wells)					
	Acres irrigated	Acre-feet applied ¹	Average acre-feet per acre	Total			Only source		
				Farms	Acres irrigated	Acre-feet applied	Farms	Acres irrigated	Average acre-feet per acre
United States 2008 ..	54,929,915	91,235,036	1.7	97,690	36,181,006	48,491,704	76,641	26,585,599	1.2
..... 2003 ..	52,492,687	86,757,665	1.7	100,717	32,316,182	43,453,757	83,460	25,968,975	1.2
2008 DATA									
Alabama	75,023	42,512	0.6	290	22,070	12,802	269	16,748	0.5
Alaska	1,589	327	0.2	19	1,550	323	19	1,550	0.2
Arizona	861,496	4,622,309	5.4	844	327,251	1,306,425	621	136,452	4.0
Arkansas	4,493,435	8,631,781	1.9	3,646	3,909,914	6,864,792	2,454	2,491,256	1.8
California	7,329,245	22,599,659	3.1	23,998	4,344,670	10,719,609	17,430	1,923,056	2.6
Colorado	2,865,840	4,541,276	1.6	2,526	1,251,730	1,795,203	1,472	914,653	1.4
Connecticut	2,337	1,536	0.7	60	440	185	37	343	0.4
Delaware	104,620	74,379	0.7	276	91,541	63,275	228	69,819	0.7
Florida	1,222,797	1,701,120	1.4	4,436	656,773	900,851	4,230	543,187	1.4
Georgia	1,007,763	876,884	0.9	2,509	770,421	693,986	1,829	570,361	0.9
Hawaii	99,577	453,547	4.6	90	51,975	108,855	56	1,902	1.1
Idaho	3,319,827	6,228,403	1.9	2,262	1,203,147	2,142,149	1,225	574,067	1.7
Illinois	457,078	231,390	0.5	1,038	446,078	225,523	1,007	431,548	0.5
Indiana	404,399	198,880	0.5	912	345,164	169,810	738	261,441	0.5
Iowa	162,838	78,939	0.5	451	155,878	74,969	437	154,449	0.5
Kansas	2,570,003	3,146,607	1.2	4,092	2,490,789	3,074,409	3,929	2,414,963	1.2
Kentucky	32,380	15,698	0.5	214	18,274	9,586	162	16,548	0.5
Louisiana	932,712	972,164	1.0	1,327	739,674	741,536	1,144	622,630	1.0
Maine	18,151	6,946	0.4	93	8,329	(D)	86	254	0.4
Maryland	85,552	55,259	0.6	294	58,284	38,407	235	42,657	0.6
Massachusetts	17,421	18,894	1.1	141	933	(D)	126	701	0.2
Michigan	531,927	298,440	0.6	1,423	371,726	218,225	1,033	155,884	0.6
Minnesota	504,330	333,669	0.7	1,379	466,109	294,428	1,254	431,397	0.5
Mississippi	1,451,652	1,402,099	1.0	1,084	1,401,988	1,327,911	916	1,132,577	0.9
Missouri	1,232,354	996,875	0.8	1,415	1,177,805	969,642	1,387	1,148,048	0.8
Montana	1,947,159	2,660,677	1.4	187	56,079	63,171	16	12,516	1.0
Nebraska	8,365,545	6,699,545	0.8	14,609	7,842,363	6,005,834	11,430	5,819,334	0.8
Nevada	685,261	1,436,932	2.1	732	275,142	689,506	468	180,637	2.5
New Hampshire	720	193	0.3	40	138	21	37	93	0.2
New Jersey	59,412	45,305	0.8	439	40,617	31,411	371	31,866	0.8
New Mexico	835,639	1,896,349	2.3	3,455	548,401	1,066,753	2,630	402,976	1.9
New York	20,158	14,800	0.7	293	7,402	5,862	279	7,054	0.8
North Carolina	148,999	83,847	0.6	381	22,073	14,470	193	13,039	0.7
North Dakota	248,070	224,462	0.9	358	164,688	128,749	328	145,537	0.8
Ohio	18,548	9,398	0.5	171	5,386	3,578	146	4,657	0.7
Oklahoma	461,235	524,638	1.1	1,160	382,445	434,935	1,097	360,014	1.2
Oregon	1,758,602	3,276,679	1.9	4,258	421,888	713,268	3,308	243,982	1.8
Pennsylvania	17,359	13,000	0.7	562	4,947	2,898	536	4,251	0.5
Rhode Island	681	674	1.0	32	90	69	30	74	0.8
South Carolina	104,091	86,236	0.8	472	74,252	58,233	391	46,886	0.7
South Dakota	360,071	271,274	0.8	646	207,600	123,009	623	201,781	0.6
Tennessee	72,862	42,271	0.6	243	60,466	34,140	213	60,125	0.6
Texas	5,356,876	6,819,783	1.3	8,982	4,686,872	5,552,255	7,870	4,269,700	1.2
Utah	1,068,929	2,430,148	2.3	861	158,439	455,480	380	91,909	3.0
Vermont	488	235	0.5	29	100	30	24	76	0.3
Virginia	44,818	24,796	0.6	240	3,652	1,240	225	1,197	0.2
Washington	1,675,898	3,781,371	2.3	3,218	435,997	937,019	2,539	250,567	1.9
West Virginia	906	975	1.1	42	185	96	26	80	0.2
Wisconsin	396,123	322,377	0.8	853	357,744	255,101	742	313,354	0.7
Wyoming	1,497,119	3,039,481	2.0	608	111,527	156,633	415	64,363	1.5
Water Resources Regions									
Region 01 New England	39,468	28,287	0.7	374	9,942	5,318	320	1,473	0.3
Region 02 Mid-Atlantic	309,972	211,328	0.7	1,914	205,393	142,699	1,688	156,032	0.7
Region 03 South Atlantic-Gulf	2,554,462	2,789,496	1.1	8,169	1,545,696	1,681,447	6,984	1,189,816	1.1
Region 04 Great Lakes	721,586	414,509	0.6	2,033	519,101	311,046	1,518	263,066	0.6
Region 05 Ohio	304,963	146,211	0.5	971	257,400	119,998	859	223,446	0.5
Region 06 Tennessee	41,141	25,616	0.6	169	10,459	5,087	127	9,101	0.5
Region 07 Upper Mississippi	1,339,287	830,916	0.6	3,246	1,238,826	737,127	2,980	1,138,641	0.6
Region 08 Lower Mississippi	7,346,743	10,786,749	1.5	6,664	6,657,405	9,049,885	5,277	4,988,086	1.3
Region 09 Souris-Red-Rainy	158,617	123,225	0.8	323	130,428	89,395	299	118,616	0.7
Region 10 Missouri	13,825,255	14,386,086	1.0	19,538	9,868,085	8,183,108	15,420	7,596,855	0.8
Region 11 Arkansas-White-Red	5,412,670	7,469,640	1.4	6,885	4,909,361	6,525,974	6,217	4,447,087	1.3
Region 12 Texas-Gulf	3,499,153	4,182,307	1.2	7,277	2,951,242	3,172,724	6,321	2,669,375	1.0
Region 13 Rio Grande	1,079,145	2,492,101	2.3	3,409	612,632	1,346,281	2,393	367,177	2.3
Region 14 Upper Colorado	1,359,888	2,460,845	1.8	419	27,363	24,167	217	7,257	1.3
Region 15 Lower Colorado	936,248	4,905,155	5.2	1,016	351,848	1,372,134	727	155,611	3.9
Region 16 Great Basin	1,599,757	3,560,900	2.2	1,839	500,021	1,212,823	1,094	324,077	2.4
Region 17 Pacific Northwest	6,855,656	13,332,398	1.9	9,268	1,959,888	3,633,106	6,677	996,093	1.8
Region 18 California	7,444,738	22,635,393	3.0	24,067	4,372,391	10,770,207	17,448	1,930,338	2.6
Region 19 Alaska	1,589	327	0.2	19	1,550	323	19	1,550	0.2
Region 20 Hawaii	99,577	453,547	4.6	90	51,975	108,855	56	1,902	1.1

See footnote(s) at end of table.

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Table 11. Estimated Quantity of Water Applied by Source or Supplier: 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	On-farm surface source					
	Total			Only source		
	Farms	Acres irrigated	Acre-feet applied	Farms	Acres irrigated	Average acre-feet per acre
United States	54,352	8,813,848	13,773,706	37,973	4,551,387	1.6
2008 ..	45,470	7,241,081	11,737,520	35,718	4,874,155	1.6
2003 ..						
2008 DATA						
Alabama	318	44,833	24,189	289	38,831	0.5
Alaska	4	39	4	4	39	0.1
Arizona	751	127,845	638,978	640	54,560	4.7
Arkansas	1,471	985,911	1,720,577	328	78,494	2.3
California	9,092	1,425,715	2,651,880	4,848	293,402	3.8
Colorado	4,028	722,231	1,199,188	3,149	458,069	1.5
Connecticut	97	1,646	1,276	73	1,242	1.0
Delaware	76	12,685	10,686	30	4,217	0.8
Florida	758	268,153	317,610	547	143,462	1.3
Georgia	1,749	239,624	175,831	1,059	118,415	0.7
Hawaii	335	12,707	38,154	321	4,372	0.6
Idaho	3,650	606,693	980,301	2,754	371,890	1.6
Illinois	66	8,388	3,069	39	4,362	0.3
Indiana	316	52,618	26,320	154	22,265	0.4
Iowa	56	4,800	2,661	47	2,928	0.5
Kansas	358	49,330	33,003	218	17,688	0.5
Kentucky	517	12,454	4,958	432	10,916	0.4
Louisiana	335	179,850	191,579	182	115,937	0.9
Maine	94	16,277	(D)	88	5,843	0.1
Maryland	310	26,205	16,159	251	15,773	0.6
Massachusetts	487	14,620	(D)	464	12,827	1.3
Michigan	1,067	162,048	78,109	679	67,634	0.4
Minnesota	227	32,482	24,584	105	21,326	0.9
Mississippi	287	67,607	72,430	128	12,585	0.6
Missouri	486	56,061	26,733	458	48,554	0.5
Montana	3,901	830,781	1,125,801	3,362	695,750	1.3
Nebraska	2,519	254,738	192,740	25	13,500	1.5
Nevada	697	271,419	409,889	566	155,519	1.2
New Hampshire	48	522	154	41	326	0.4
New Jersey	235	18,369	(D)	167	13,638	0.8
New Mexico	1,856	98,068	175,381	1,428	59,743	1.6
New York	230	11,178	7,746	207	8,550	0.6
North Carolina	1,682	123,696	62,249	1,492	106,580	0.5
North Dakota	102	22,246	21,847	88	17,967	0.8
Ohio	224	9,105	3,442	191	7,721	0.4
Oklahoma	189	36,197	33,807	142	26,705	0.8
Oregon	4,638	542,767	944,840	3,840	371,589	1.7
Pennsylvania	470	11,815	(D)	444	10,372	0.8
Rhode Island	24	383	564	22	319	1.6
South Carolina	308	30,668	27,847	221	16,439	0.8
South Dakota	115	23,022	21,763	89	18,788	1.0
Tennessee	248	11,082	6,472	218	10,812	0.6
Texas	2,148	156,965	141,072	1,311	64,482	1.3
Utah	2,094	236,592	503,240	1,830	205,811	2.1
Vermont	42	388	205	37	304	0.6
Virginia	375	38,022	21,414	357	31,876	0.6
Washington	3,059	309,106	675,006	2,830	221,871	2.1
West Virginia	64	742	878	48	665	1.3
Wisconsin	504	40,035	64,126	390	24,758	2.1
Wyoming	1,645	605,120	1,051,516	1,340	541,671	1.7
Water Resources Regions						
Region 01 New England	767	33,594	21,982	701	20,699	1.0
Region 02 Mid-Atlantic	1,315	99,489	65,108	1,088	68,022	0.7
Region 03 South Atlantic-Gulf	4,997	705,037	607,791	3,785	420,617	0.8
Region 04 Great Lakes	1,509	199,242	98,968	987	86,637	0.4
Region 05 Ohio	989	42,886	21,082	848	32,095	0.5
Region 06 Tennessee	314	27,075	16,543	270	25,730	0.6
Region 07 Upper Mississippi	810	96,432	86,164	549	59,662	1.1
Region 08 Lower Mississippi	1,591	1,042,945	1,662,940	290	127,958	1.1
Region 09 Souris-Red-Rainy	66	20,730	19,667	45	17,760	1.0
Region 10 Missouri	7,576	1,626,506	2,081,846	4,064	1,089,568	1.4
Region 11 Arkansas-White-Red	1,408	368,524	591,367	833	143,361	1.8
Region 12 Texas-Gulf	1,907	124,114	132,254	1,287	59,322	1.4
Region 13 Rio Grande	1,610	229,547	359,827	996	131,463	1.2
Region 14 Upper Colorado	4,447	550,383	1,020,638	3,981	496,580	1.8
Region 15 Lower Colorado	866	132,647	648,856	752	56,262	4.6
Region 16 Great Basin	1,947	441,888	838,532	1,612	294,543	1.8
Region 17 Pacific Northwest	12,588	1,603,578	2,831,203	10,530	1,107,994	1.7
Region 18 California	9,306	1,456,485	2,630,781	5,030	308,703	3.5
Region 19 Alaska	4	39	4	4	39	0.1
Region 20 Hawaii	335	12,707	38,154	321	4,372	0.6

See footnote(s) at end of table.

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Table 11. Estimated Quantity of Water Applied by Source or Supplier: 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	Off-farm surface water suppliers					
	Total			Only source		
	Farms	Acres irrigated	Acre-feet applied	Farms	Acres irrigated	Average acre-feet per acre
United States 2008 ..	80,500	13,069,453	28,969,626	68,503	8,489,326	2.2
..... 2003 ..	83,019	13,839,769	31,566,388	72,411	10,147,139	2.3
2008 DATA						
Alabama	86	8,120	5,521	78	7,444	0.7
Alaska	-	-	-	-	-	-
Arizona	1,706	553,273	2,676,906	1,460	307,567	4.9
Arkansas	231	37,897	46,412	145	4,440	1.3
California	20,632	3,220,628	9,228,170	15,573	1,191,942	3.5
Colorado	7,562	1,089,231	1,546,884	6,879	820,281	1.4
Connecticut	15	251	75	13	(D)	0.4
Delaware	5	394	419	3	165	0.6
Florida	275	352,644	482,659	257	190,749	1.3
Georgia	41	8,024	7,068	6	3,000	0.7
Hawaii	688	80,943	306,538	666	10,859	1.6
Idaho	9,366	1,548,956	3,105,952	8,473	1,097,313	2.1
Illinois	18	3,844	2,799	14	3,590	0.8
Indiana	35	7,969	2,751	23	2,936	0.2
Iowa	34	2,160	1,309	29	2,155	0.6
Kansas	230	37,354	39,194	198	25,055	1.1
Kentucky	176	1,939	1,154	143	1,428	0.4
Louisiana	214	25,760	39,050	183	13,715	1.6
Maine	17	761	200	14	525	0.3
Maryland	52	1,063	693	52	1,063	0.7
Massachusetts	72	2,065	653	64	1,616	0.3
Michigan	22	5,045	2,106	19	4,188	0.4
Minnesota	68	8,891	14,656	59	7,189	1.9
Mississippi	75	2,023	1,758	65	(D)	(D)
Missouri	4	1,000	500	4	1,000	0.5
Montana	5,016	1,071,787	1,471,704	4,541	922,451	1.4
Nebraska	1,209	435,425	500,971	178	174,611	1.4
Nevada	582	161,230	337,537	430	101,922	2.1
New Hampshire	6	60	18	1	(D)	(D)
New Jersey	2	(D)	(D)	2	(D)	(D)
New Mexico	4,419	291,053	654,215	3,970	213,297	2.2
New York	100	1,662	1,193	83	1,433	0.8
North Carolina	106	6,005	7,129	98	3,345	1.6
North Dakota	176	61,146	73,866	155	55,026	1.2
Ohio	19	4,494	2,378	7	2,088	0.6
Oklahoma	172	45,553	55,896	149	37,451	1.3
Oregon	4,525	810,529	1,618,572	3,780	592,417	2.0
Pennsylvania	84	597	(D)	84	597	0.3
Rhode Island	7	208	42	7	208	(D)
South Carolina	21	(D)	156	11	166	0.3
South Dakota	443	130,619	126,502	414	123,895	1.0
Tennessee	131	1,362	1,659	119	1,294	1.3
Texas	2,799	605,515	1,126,457	2,242	460,128	2.0
Utah	8,523	691,879	1,471,428	8,070	623,261	2.1
Vermont	-	-	-	-	-	-
Virginia	60	3,144	2,141	57	2,478	0.8
Washington	7,151	935,038	2,169,347	6,645	749,919	2.2
West Virginia	-	-	-	-	-	-
Wisconsin	22	2,437	3,151	13	1,356	1.7
Wyoming	3,303	808,284	1,831,332	3,027	722,967	2.2
Water Resources Regions						
Region 01 New England	117	3,345	987	99	2,480	0.3
Region 02 Mid-Atlantic	200	5,360	3,522	195	4,465	0.7
Region 03 South Atlantic-Gulf	513	373,003	500,258	438	202,331	1.3
Region 04 Great Lakes	147	11,221	4,496	113	6,881	0.4
Region 05 Ohio	245	8,946	5,132	200	5,226	0.5
Region 06 Tennessee	98	3,942	3,986	84	3,884	1.0
Region 07 Upper Mississippi	78	9,747	7,625	63	7,218	0.9
Region 08 Lower Mississippi	497	51,748	73,925	385	15,277	1.6
Region 09 Souris-Red-Rainy	38	9,173	14,163	29	7,227	1.7
Region 10 Missouri	10,611	2,596,910	4,121,131	8,662	2,046,213	1.7
Region 11 Arkansas-White-Red	2,744	288,607	352,298	2,612	193,654	1.3
Region 12 Texas-Gulf	2,081	490,039	877,329	1,580	358,842	1.9
Region 13 Rio Grande	4,102	401,760	785,993	3,568	254,713	2.0
Region 14 Upper Colorado	6,380	804,790	1,416,040	6,098	723,823	1.7
Region 15 Lower Colorado	2,041	603,294	2,884,166	1,728	352,696	4.9
Region 16 Great Basin	7,215	698,953	1,509,544	6,620	564,730	2.2
Region 17 Pacific Northwest	21,668	3,352,542	6,868,089	19,418	2,497,765	2.0
Region 18 California	21,037	3,275,130	9,234,406	15,945	1,231,042	3.4
Region 19 Alaska	-	-	-	-	-	-
Region 20 Hawaii	688	80,943	306,538	666	10,859	1.6

See footnote(s) at end of table.

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