

**Table 35. Estimated Quantity of Water Applied in the Open Using Only One Method of Distribution: 2023 and 2018**

[Excludes area under protection and institutional, research, and experimental 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 <sup>1</sup>	Acre-feet applied	Average acre-feet per acre	Farms	Acres irrigated <sup>1</sup>	Average acre-feet per acre	Farms	Acres irrigated <sup>1</sup>	Average acre-feet per acre
United States .....	53,076,539	80,937,415	1.5	79,843	23,021,197	1.2	47,494	12,732,761	1.7
2018	55,886,470	83,332,760	1.5	79,830	22,877,786	1.1	61,091	13,649,228	1.8
<b>2023 DATA</b>									
Alabama .....	(D)	114,339	(D)	619	123,442	0.6	-	-	-
Alaska .....	(D)	1,159	(D)	66	1,120	0.8	2	(D)	(D)
Arizona .....	920,420	3,927,289	4.3	613	99,316	3.6	1,746	618,876	4.4
Arkansas .....	4,645,925	5,165,689	1.1	270	70,429	0.7	1,897	3,641,203	1.2
California .....	7,755,846	22,599,562	2.9	5,154	446,860	2.4	6,631	1,507,018	3.5
Colorado .....	2,367,382	3,740,814	1.6	2,391	912,773	1.5	7,984	857,456	1.5
Connecticut .....	3,645	4,646	1.3	192	989	1.6	8	16	0.8
Delaware .....	(D)	85,821	(D)	294	119,943	0.7	7	1,256	0.6
Florida .....	1,135,824	1,177,858	1.0	2,599	235,205	1.1	281	369,859	0.8
Georgia .....	1,221,632	1,298,711	1.1	2,091	981,075	1.1	-	-	-
Hawaii .....	(D)	55,589	(D)	372	2,922	1.4	41	1,997	0.9
Idaho .....	3,180,644	5,406,523	1.7	5,412	2,270,291	1.7	4,497	345,329	1.5
Illinois .....	679,401	409,679	0.6	1,445	657,164	0.6	24	24	1.8
Indiana .....	581,477	303,886	0.5	1,614	558,289	0.5	1	(D)	(D)
Iowa .....	234,886	125,420	0.5	708	229,273	0.5	43	43	1.0
Kansas .....	2,324,901	2,570,383	1.1	2,972	1,966,368	1.1	203	13,657	1.0
Kentucky .....	81,034	44,674	0.6	310	77,711	0.5	6	6	1.0
Louisiana .....	1,305,572	1,403,444	1.1	244	4,431	0.5	1,121	1,015,537	1.2
Maine .....	(D)	5,407	(D)	158	14,486	0.3	10	10	1.0
Maryland .....	(D)	62,740	(D)	405	107,708	0.5	7	31	1.1
Massachusetts .....	(D)	13,147	(D)	405	6,546	0.8	44	282	0.6
Michigan .....	746,242	417,925	0.6	2,196	628,335	0.6	19	19	1.0
Minnesota .....	557,770	393,326	0.7	1,749	540,805	0.7	68	11,112	1.8
Mississippi .....	1,713,175	1,465,708	0.9	262	34,427	0.7	803	1,059,676	0.9
Missouri .....	1,486,605	1,192,401	0.8	720	317,001	0.6	530	571,235	0.9
Montana .....	1,561,047	1,879,427	1.2	2,770	418,859	1.0	2,892	586,782	1.2
Nebraska .....	7,305,558	6,813,805	0.9	8,730	4,874,729	0.9	921	110,495	1.0
Nevada .....	767,294	2,248,790	2.9	339	94,206	2.8	952	389,518	2.8
New Hampshire .....	1,765	1,013	0.6	104	669	0.6	4	21	4.6
New Jersey .....	69,373	38,099	0.5	560	33,869	0.6	21	2,420	0.6
New Mexico .....	583,414	1,210,959	2.1	1,464	192,256	1.8	5,270	262,713	2.2
New York .....	47,118	22,607	0.5	440	15,041	0.5	66	2,471	0.6
North Carolina .....	150,265	120,223	0.8	1,576	131,490	0.8	-	-	-
North Dakota .....	246,301	167,778	0.7	446	219,809	0.7	39	7,495	1.2
Ohio .....	53,996	35,017	0.6	519	36,859	0.5	-	-	-
Oklahoma .....	538,934	665,291	1.2	1,239	417,932	1.3	74	20,031	1.4
Oregon .....	1,445,030	2,478,499	1.7	7,055	800,722	1.7	1,935	148,453	1.5
Pennsylvania .....	28,104	19,392	0.7	271	9,748	0.4	33	669	1.0
Rhode Island .....	(D)	2,965	(D)	70	2,701	0.8	-	-	-
South Carolina .....	(D)	147,461	(D)	682	162,426	0.8	49	274	0.3
South Dakota .....	379,485	257,704	0.7	953	354,166	0.7	124	9,123	0.9
Tennessee .....	173,528	80,834	0.5	584	157,215	0.4	51	154	1.5
Texas .....	3,720,978	4,599,571	1.2	5,159	2,483,777	1.3	1,825	302,190	1.3
Utah .....	985,863	2,221,470	2.3	4,710	436,062	2.6	4,125	284,182	1.9
Vermont .....	2,330	2,775	1.2	57	130	0.6	4	24	1.3
Virginia .....	(D)	34,365	(D)	513	47,226	0.6	-	-	-
Washington .....	1,704,878	3,636,947	2.1	6,179	1,144,975	2.1	430	28,485	1.9
West Virginia .....	1,775	1,068	0.6	54	429	0.8	4	4	(D)
Wisconsin .....	480,561	440,473	0.9	1,305	458,115	0.8	43	233	0.2
Wyoming .....	1,148,044	1,824,742	1.6	803	120,877	1.6	2,659	562,336	1.5
<b>Water Resource Regions</b>									
Region 01 New England .....	47,344	29,267	0.6	945	25,456	0.5	66	329	0.9
Region 02 Mid-Atlantic .....	438,415	249,422	0.6	2,068	321,890	0.6	115	6,828	0.6
Region 03 South Atlantic-Gulf .....	2,816,046	2,843,508	1.0	7,651	1,608,618	1.0	338	370,261	0.8
Region 04 Great Lakes .....	970,903	553,119	0.6	3,213	818,684	0.6	68	110	0.9
Region 05 Ohio .....	479,026	271,137	0.6	1,843	453,585	0.6	33	112	1.5
Region 06 Tennessee .....	(D)	51,102	(D)	499	64,540	0.4	25	(D)	(D)
Region 07 Upper Mississippi .....	(D)	1,283,578	(D)	4,937	1,766,660	0.7	159	9,244	1.1
Region 08 Lower Mississippi .....	(D)	8,418,276	(D)	822	340,256	0.5	3,869	5,747,739	1.1
Region 09 Souris-Red-Rainy .....	(D)	127,799	(D)	391	172,531	0.7	25	8,464	1.6
Region 10 Missouri .....	11,797,087	12,351,441	1.0	14,555	7,044,842	0.9	7,475	1,190,899	1.3
Region 11 Arkansas-White-Red .....	4,851,498	6,137,419	1.3	4,885	3,379,202	1.3	2,154	747,111	1.3
Region 12 Texas-Gulf .....	2,334,549	2,650,201	1.1	3,940	1,258,910	1.2	1,350	282,405	1.3
Region 13 Rio Grande .....	703,426	1,394,677	2.0	803	240,001	1.8	4,906	324,100	1.9
Region 14 Upper Colorado .....	1,293,341	2,174,034	1.7	2,651	195,133	2.0	6,447	683,771	1.5
Region 15 Lower Colorado .....	1,053,465	4,527,355	4.3	879	114,721	3.5	1,869	663,975	4.4
Region 16 Great Basin .....	1,608,762	4,052,734	2.5	4,483	511,484	2.5	4,588	657,434	2.4
Region 17 Pacific Northwest .....	6,390,033	11,465,253	1.8	19,431	4,221,632	1.8	7,274	550,694	1.5
Region 18 California .....	7,768,745	22,300,345	2.9	5,409	479,010	2.4	6,690	1,487,194	3.5
Region 19 Alaska .....	(D)	1,159	(D)	66	1,120	0.8	2	(D)	(D)
Region 20 Hawaii .....	(D)	55,589	(D)	372	2,922	1.4	41	1,997	0.9

See footnote(s) at end of table.

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**Table 35. Estimated Quantity of Water Applied in the Open Using Only One Method of Distribution: 2023 and 2018 (continued)**

[Excludes area under protection and institutional, research, and experimental farms. For meaning of abbreviations and symbols see introductory text.]

Geographic area	Only drip, trickle, or low-flow micro sprinkler systems			Only hydroponics (see text)		
	Farms	Acres irrigated <sup>1</sup>	Average acre-feet per acre	Farms	Acres irrigated <sup>1</sup>	Average acre-feet per acre
United States .....2023	43,108	3,887,092	2.2	63	957	0.5
.....2018	44,753	3,776,584	2.1	(NA)	(NA)	(NA)
<b>2023 DATA</b>						
Alabama .....	343	2,637	0.9	-	-	-
Alaska .....	102	156	0.9	-	-	-
Arizona .....	427	35,089	3.0	-	-	-
Arkansas .....	209	1,302	0.5	-	-	-
California .....	18,871	2,770,611	2.6	-	-	-
Colorado .....	413	3,447	2.4	-	-	-
Connecticut .....	174	1,740	1.1	-	-	-
Delaware .....	58	986	0.8	-	-	-
Florida .....	2,753	359,164	1.2	-	-	-
Georgia .....	1,469	91,106	0.7	-	-	-
Hawaii .....	706	11,602	1.6	15	135	1.7
Idaho .....	404	15,321	1.3	-	-	-
Illinois .....	291	7,569	0.6	-	-	-
Indiana .....	287	990	0.4	-	-	-
Iowa .....	206	915	0.9	-	-	-
Kansas .....	348	11,572	1.0	-	-	-
Kentucky .....	502	1,991	1.0	-	-	-
Louisiana .....	180	2,900	0.5	-	-	-
Maine .....	120	1,352	0.3	-	-	-
Maryland .....	246	7,936	0.4	-	-	-
Massachusetts .....	392	2,379	0.4	14	563	0.3
Michigan .....	1,151	35,270	0.7	-	-	-
Minnesota .....	197	1,125	0.5	-	-	-
Mississippi .....	190	2,477	0.6	-	-	-
Missouri .....	450	7,639	0.8	9	9	1.0
Montana .....	145	603	1.9	-	-	-
Nebraska .....	266	4,645	0.9	-	-	-
Nevada .....	90	158	1.4	-	-	-
New Hampshire .....	99	278	0.7	-	-	-
New Jersey .....	291	9,337	0.5	25	250	0.3
New Mexico .....	357	3,073	3.2	-	-	-
New York .....	754	21,510	0.5	-	-	-
North Carolina .....	624	10,062	0.7	-	-	-
North Dakota .....	44	143	0.9	-	-	-
Ohio .....	621	3,344	0.6	-	-	-
Oklahoma .....	170	1,566	0.9	-	-	-
Oregon .....	1,639	63,779	1.6	-	-	-
Pennsylvania .....	1,072	12,567	0.9	-	-	-
Rhode Island .....	55	212	0.8	-	-	-
South Carolina .....	437	14,421	0.6	-	-	-
South Dakota .....	112	366	0.9	-	-	-
Tennessee .....	353	6,228	2.4	-	-	-
Texas .....	2,004	170,112	1.4	-	-	-
Utah .....	128	1,059	1.8	-	-	-
Vermont .....	146	377	0.8	-	-	-
Virginia .....	460	3,575	0.8	-	-	-
Washington .....	2,181	179,653	1.9	-	-	-
West Virginia .....	130	850	0.7	-	-	-
Wisconsin .....	411	1,862	0.8	-	-	-
Wyoming .....	30	36	1.1	-	-	-
<b>Water Resource Regions</b>						
Region 01 New England .....	868	5,982	0.6	14	563	0.3
Region 02 Mid-Atlantic .....	2,370	49,403	0.6	25	250	0.3
Region 03 South Atlantic-Gulf .....	5,624	479,514	1.0	-	-	-
Region 04 Great Lakes .....	1,915	43,657	0.6	-	-	-
Region 05 Ohio .....	1,507	5,746	0.8	-	-	-
Region 06 Tennessee .....	405	6,484	2.3	-	-	-
Region 07 Upper Mississippi .....	1,034	11,256	0.6	-	-	-
Region 08 Lower Mississippi .....	316	3,753	0.5	-	-	-
Region 09 Souris-Red-Rainy .....	28	145	0.8	-	-	-
Region 10 Missouri .....	1,328	19,143	0.9	9	9	1.0
Region 11 Arkansas-White-Red ....	745	16,296	1.2	-	-	-
Region 12 Texas-Gulf .....	1,774	162,924	1.4	-	-	-
Region 13 Rio Grande .....	394	3,745	2.8	-	-	-
Region 14 Upper Colorado .....	144	1,135	3.0	-	-	-
Region 15 Lower Colorado .....	470	48,594	3.1	-	-	-
Region 16 Great Basin .....	178	1,143	1.8	-	-	-
Region 17 Pacific Northwest .....	4,331	259,233	1.8	-	-	-
Region 18 California .....	18,869	2,757,181	2.6	-	-	-
Region 19 Alaska .....	102	156	0.9	-	-	-
Region 20 Hawaii .....	706	11,602	1.6	15	135	1.7

<sup>1</sup> Acres represent the acres of land with coverage by at least one of the systems. Acres are not double counted if multiple systems exist on the same acreage.