

Table 33. Estimated Quantity of Water Applied in the Open Using Only Gravity Flow Systems: 2018 and 2013

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

Geographic area	Total			Only down rows or furrows			Only controlled flooding (between borders or within basins)		
	Farms	Acres irrigated ¹	Average acre-feet per acre	Farms	Acres irrigated	Average acre-feet per acre	Farms	Acres irrigated	Average acre-feet per acre
United States2018	61,091	13,649,228	1.8	20,314	3,959,882	1.6	23,482	3,930,302	2.3
.....2013	53,824	13,296,785	1.9	18,380	3,394,577	1.7	19,564	3,511,942	2.5
2018 DATA									
Alabama	75	9,175	0.9	25	50	0.5	25	2,000	3.0
Alaska	19	85	0.7	19	85	0.7	-	-	-
Arizona	2,150	593,775	4.9	598	191,712	4.5	1,173	142,171	4.5
Arkansas	2,171	3,152,019	1.3	713	718,590	1.0	184	112,251	1.8
California	9,040	1,888,221	3.5	1,898	365,496	3.1	4,322	844,514	4.0
Colorado	9,114	891,277	1.7	4,617	256,346	1.9	2,491	345,408	1.7
Connecticut	43	43	2.0	43	43	2.0	-	-	-
Delaware	2	(D)	(D)	2	(D)	(D)	-	-	-
Florida	178	413,173	0.9	117	18,279	1.1	51	358,994	0.9
Georgia	70	1,225	0.9	70	1,225	0.9	-	-	-
Hawaii	40	146	1.1	39	(D)	0.9	-	-	-
Idaho	6,362	548,565	2.2	2,704	260,726	2.6	1,915	146,985	1.8
Illinois	21	21	1.0	21	21	1.0	-	-	-
Indiana	6	12	0.5	6	12	0.5	-	-	-
Iowa	5	25	0.4	5	25	0.4	-	-	-
Kansas	296	23,725	0.7	251	16,225	0.8	30	(D)	0.9
Kentucky	57	121	0.6	4	16	1.0	-	-	-
Louisiana	1,140	810,334	1.0	528	423,557	0.6	433	220,583	2.0
Maine	5	8	0.6	2	(D)	(D)	-	-	-
Maryland	-	-	-	-	-	-	-	-	-
Massachusetts	180	5,240	1.8	68	264	(D)	112	4,976	1.9
Michigan	-	-	-	-	-	-	-	-	-
Minnesota	4	(D)	1.0	4	(D)	1.0	-	-	-
Mississippi	725	955,807	0.8	584	561,769	0.7	19	1,744	1.6
Missouri	400	513,483	0.9	266	234,705	0.8	37	28,971	0.6
Montana	3,840	841,857	1.1	345	36,996	1.1	2,096	443,226	1.1
Nebraska	976	98,757	0.8	725	86,541	0.8	126	3,704	1.1
Nevada	1,186	321,341	2.5	151	20,668	2.8	716	202,489	2.0
New Hampshire	49	84	0.6	-	-	-	49	84	0.6
New Jersey	13	26	0.5	13	26	0.5	-	-	-
New Mexico	7,265	210,984	2.2	1,699	45,210	1.4	4,192	129,754	2.3
New York	73	1,392	1.2	27	1,323	1.2	-	-	-
North Carolina	80	1,322	0.1	53	80	0.7	27	1,242	(D)
North Dakota	86	16,576	0.8	6	12	1.2	62	7,564	1.1
Ohio	26	718	(D)	25	(D)	0.3	1	(D)	(D)
Oklahoma	176	45,174	1.2	107	31,684	1.2	26	1,950	1.0
Oregon	2,607	372,779	1.7	646	53,279	2.2	881	176,680	1.7
Pennsylvania	37	53	0.7	21	21	1.0	-	-	-
Rhode Island	5	40	0.1	-	-	-	-	-	-
South Carolina	14	70	0.2	14	70	(D)	-	-	-
South Dakota	243	28,969	1.0	22	(D)	1.0	111	13,767	1.1
Tennessee	66	4,252	(D)	44	(D)	(D)	-	-	-
Texas	2,334	664,410	1.9	772	333,639	1.6	1,162	262,922	2.3
Utah	5,345	329,835	2.0	1,510	79,633	2.1	1,871	118,169	2.1
Vermont	25	25	1.0	-	-	-	25	25	1.0
Virginia	4	1,324	0.2	4	1,324	0.2	-	-	-
Washington	792	39,081	1.7	440	28,488	1.9	26	156	2.0
West Virginia	-	-	-	-	-	-	-	-	-
Wisconsin	-	-	-	-	-	-	-	-	-
Wyoming	3,746	863,671	1.4	1,106	187,333	2.0	1,319	357,923	1.2
Water Resources Regions									
Region 01 New England	282	5,415	1.8	113	(D)	0.5	161	5,060	1.9
Region 02 Mid-Atlantic	83	1,855	0.6	44	1,777	0.6	-	-	-
Region 03 South Atlantic-Gulf	409	425,527	0.9	252	19,860	1.1	110	362,348	0.9
Region 04 Great Lakes	95	1,657	1.0	46	1,059	0.7	26	(D)	(D)
Region 05 Ohio	87	185	0.6	34	80	0.7	-	-	-
Region 06 Tennessee	95	520	0.2	73	146	0.5	-	-	-
Region 07 Upper Mississippi	45	5,984	0.2	45	5,984	0.2	-	-	-
Region 08 Lower Mississippi	3,856	4,881,127	1.1	1,893	1,872,098	0.8	621	331,080	1.8
Region 09 Souris-Red-Rainy	6	12	1.2	6	12	1.2	-	-	-
Region 10 Missouri	9,604	1,637,838	1.3	2,733	337,625	1.5	3,779	666,575	1.2
Region 11 Arkansas-White-Red	2,492	745,070	1.2	1,317	196,202	1.0	454	(D)	(D)
Region 12 Texas-Gulf	1,949	581,955	2.0	635	284,636	1.7	937	254,849	2.4
Region 13 Rio Grande	6,518	314,670	2.0	1,044	66,808	1.3	4,328	160,059	2.2
Region 14 Upper Colorado	7,984	868,044	1.6	4,412	179,153	2.2	1,799	397,589	1.6
Region 15 Lower Colorado	2,487	627,311	4.8	656	202,145	4.5	1,307	153,530	4.4
Region 16 Great Basin	5,462	614,853	2.2	1,262	93,064	2.1	2,300	316,744	2.4
Region 17 Pacific Northwest	10,453	1,032,785	1.9	3,817	342,364	2.5	3,250	358,389	1.6
Region 18 California	9,125	1,904,189	3.4	1,874	356,364	3.1	4,410	874,424	3.9
Region 19 Alaska	19	85	0.7	19	85	0.7	-	-	-
Region 20 Hawaii	40	146	1.1	39	(D)	0.9	-	-	-

See footnote(s) at end of table.

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Table 33. Estimated Quantity of Water Applied in the Open Using Only Gravity Flow Systems: 2018 and 2013 (continued)

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

Geographic area	Only uncontrolled flooding (rangeland, pastureland, etc.)			Only other gravity		
	Farms	Acres irrigated ¹	Average acre-feet per acre	Farms	Acres irrigated	Average acre-feet per acre
United States2018	9,144	913,507	1.5	1,418	85,804	2.0
.....2013	6,896	787,224	1.5	1,054	155,793	2.3
2018 DATA						
Alabama	25	7,125	0.3	-	-	-
Alaska	-	-	-	-	-	-
Arizona	176	2,304	5.1	-	-	-
Arkansas	38	1,990	0.5	-	-	-
California	1,884	183,591	2.6	101	1,875	1.0
Colorado	1,036	95,515	0.9	142	15,233	3.8
Connecticut	-	-	-	-	-	-
Delaware	-	-	-	-	-	-
Florida	3	18,000	0.3	4	14,900	(D)
Georgia	-	-	-	-	-	-
Hawaii	-	-	-	1	(D)	(D)
Idaho	923	73,954	1.8	328	16,767	0.7
Illinois	-	-	-	-	-	-
Indiana	-	-	-	-	-	-
Iowa	-	-	-	-	-	-
Kansas	-	-	-	-	-	-
Kentucky	-	-	-	27	27	1.0
Louisiana	68	7,096	0.3	-	-	-
Maine	-	-	-	3	(D)	0.5
Maryland	-	-	-	-	-	-
Massachusetts	-	-	-	-	-	-
Michigan	-	-	-	-	-	-
Minnesota	-	-	-	-	-	-
Mississippi	12	294	0.6	-	-	-
Missouri	-	-	-	-	-	-
Montana	903	116,905	1.0	86	2,616	1.1
Nebraska	63	747	1.1	-	-	-
Nevada	199	39,022	2.0	15	165	2.7
New Hampshire	-	-	-	-	-	-
New Jersey	-	-	-	-	-	-
New Mexico	738	15,835	1.9	89	1,433	2.5
New York	23	46	0.5	23	23	3.0
North Carolina	-	-	-	-	-	-
North Dakota	-	-	-	-	-	-
Ohio	-	-	-	-	-	-
Oklahoma	39	6,240	0.7	-	-	-
Oregon	758	101,183	1.5	172	3,147	0.8
Pennsylvania	-	-	-	16	32	0.5
Rhode Island	5	40	0.1	-	-	-
South Carolina	-	-	-	-	-	-
South Dakota	44	2,684	0.4	-	-	-
Tennessee	-	-	-	22	(D)	0.1
Texas	270	15,759	0.8	40	19,000	2.5
Utah	930	23,995	2.5	242	4,346	1.3
Vermont	-	-	-	-	-	-
Virginia	-	-	-	-	-	-
Washington	189	7,774	0.7	83	1,421	3.4
West Virginia	-	-	-	-	-	-
Wisconsin	-	-	-	-	-	-
Wyoming	818	193,408	1.1	24	4,404	2.5
Water Resources Regions						
Region 01 New England	5	40	0.1	3	(D)	0.5
Region 02 Mid-Atlantic	23	46	0.5	16	32	0.5
Region 03 South Atlantic-Gulf	40	25,419	0.3	4	14,900	(D)
Region 04 Great Lakes	-	-	-	23	(D)	(D)
Region 05 Ohio	-	-	-	27	(D)	1.0
Region 06 Tennessee	-	-	-	22	374	0.1
Region 07 Upper Mississippi	-	-	-	-	-	-
Region 08 Lower Mississippi	78	6,016	0.3	-	-	-
Region 09 Souris-Red-Rainy	-	-	-	-	-	-
Region 10 Missouri	1,889	221,650	1.0	87	14,886	3.1
Region 11 Arkansas-White-Red	209	22,055	0.8	80	2,447	1.7
Region 12 Texas-Gulf	270	15,759	0.8	40	19,000	2.5
Region 13 Rio Grande	659	25,392	1.7	-	-	-
Region 14 Upper Colorado	793	126,280	0.9	158	6,868	3.9
Region 15 Lower Colorado	277	3,083	4.3	-	-	-
Region 16 Great Basin	925	54,466	2.1	237	15,594	0.7
Region 17 Pacific Northwest	2,061	216,850	1.6	619	9,737	1.4
Region 18 California	1,915	196,451	2.5	101	1,875	1.0
Region 19 Alaska	-	-	-	-	-	-
Region 20 Hawaii	-	-	-	1	(D)	(D)

¹ 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.