

Table 39. Water Management Practices Used by Producers with Gravity Systems for Acres in the Open: 2018 and 2013

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

Geographic area	All farms	Acres irrigated ¹	Any water management practice used ² (see text)		Water management practice used ² (see text)	
			Farms	Acres irrigated	Tailwater pits, diking, time limits, or alternative row irrigation	
					Farms	Acres irrigated
United States2018	85,888	20,187,048	25,799	7,274,584	16,720	2,834,636
.....2013	85,159	21,504,684	33,629	9,851,730	20,990	4,205,281
2018 DATA						
Alabama	94	12,046	63	4,328	50	(D)
Alaska	23	89	1	(D)	1	(D)
Arizona	2,347	837,762	891	580,162	368	132,971
Arkansas	2,667	3,891,251	958	1,546,902	511	600,643
California	13,717	3,888,723	5,385	1,609,987	3,339	690,058
Colorado	11,185	1,098,563	2,420	222,860	1,961	183,278
Connecticut	115	246	-	-	-	-
Delaware	12	(D)	4	4	-	-
Florida	455	532,796	77	35,260	36	7,830
Georgia	210	2,143	34	57	23	46
Hawaii	416	2,449	7	42	-	-
Idaho	8,759	836,989	2,709	275,697	2,040	142,584
Illinois	27	(D)	-	-	-	-
Indiana	25	1,188	-	-	-	-
Iowa	29	50	18	18	18	18
Kansas	777	66,053	324	36,471	247	25,634
Kentucky	63	2,992	-	-	-	-
Louisiana	1,318	975,326	426	395,480	153	105,605
Maine	55	145	3	6	-	-
Maryland	92	268	-	-	-	-
Massachusetts	238	6,593	29	836	28	(D)
Michigan	61	81	20	40	-	-
Minnesota	35	2,829	-	-	-	-
Mississippi	1,019	1,373,391	437	710,985	112	115,599
Missouri	825	810,544	283	384,666	91	54,382
Montana	5,415	1,226,780	1,091	214,136	729	114,641
Nebraska	5,064	661,385	2,339	293,210	1,942	210,998
Nevada	1,464	449,388	477	146,960	196	48,635
New Hampshire	82	117	21	21	21	21
New Jersey	97	3,140	45	182	-	-
New Mexico	7,861	266,460	2,596	94,286	1,184	26,477
New York	236	3,225	23	46	-	-
North Carolina	133	1,534	54	1,296	54	1,296
North Dakota	152	45,395	54	25,482	36	16,482
Ohio	83	817	10	(D)	8	(D)
Oklahoma	239	69,649	99	39,816	76	19,405
Oregon	3,727	514,953	942	105,300	869	87,210
Pennsylvania	108	9,919	26	38,021	5	9,500
Rhode Island	9	44	5	40	-	-
South Carolina	120	2,856	25	75	25	75
South Dakota	318	37,027	46	8,534	41	6,174
Tennessee	99	11,906	50	5,514	22	1,100
Texas	3,092	768,512	736	155,081	417	59,895
Utah	6,953	519,157	1,468	111,864	987	55,020
Vermont	39	121	25	25	25	25
Virginia	35	1,355	22	22	-	-
Washington	1,420	109,225	391	47,743	296	25,440
West Virginia	43	64	-	-	-	-
Wisconsin	59	244	18	18	-	-
Wyoming	4,476	1,140,460	1,147	183,085	809	91,198
Water Resources Regions						
Region 01 New England	502	7,168	58	903	49	(D)
Region 02 Mid-Atlantic	398	15,197	54	38,186	5	(D)
Region 03 South Atlantic-Gulf	1,018	552,869	218	42,484	146	11,243
Region 04 Great Lakes	329	3,739	117	(D)	33	(D)
Region 05 Ohio	222	4,363	22	22	-	-
Region 06 Tennessee	112	1,173	85	522	52	(D)
Region 07 Upper Mississippi	160	17,178	26	5,858	18	18
Region 08 Lower Mississippi	5,017	6,394,647	1,860	2,723,294	819	850,521
Region 09 Souris-Red-Rainy	20	2,812	-	-	-	-
Region 10 Missouri	16,620	2,796,501	5,253	768,213	3,996	466,026
Region 11 Arkansas-White-Red	3,252	977,653	1,061	427,821	635	94,611
Region 12 Texas-Gulf	2,599	648,791	570	135,407	310	44,878
Region 13 Rio Grande	7,010	377,496	2,198	83,218	1,042	30,577
Region 14 Upper Colorado	9,795	1,075,608	2,216	182,997	1,677	151,512
Region 15 Lower Colorado	2,786	893,052	950	620,977	377	145,121
Region 16 Great Basin	6,938	910,097	1,713	232,593	1,069	87,160
Region 17 Pacific Northwest	14,792	1,599,329	3,947	439,252	3,111	263,045
Region 18 California	13,879	3,906,837	5,443	1,572,619	3,380	679,928
Region 19 Alaska	23	89	1	(D)	1	(D)
Region 20 Hawaii	416	2,449	7	42	-	-

See footnote(s) at end of table.

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Table 39. Water Management Practices Used by Producers with Gravity Systems for Acres in the Open: 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	Water management practice used ² (see text) - con.						
	Surge flow or cablegation, mulch, or other types of row covers (see text)		Precision-leveling or zero-grading		Shorter furrow length, PAM, or special furrow practices		
	Farms	Acres irrigated	Farms	Acres irrigated	Farms	Acres irrigated	
United States	2018 2013	1,600 3,227	223,608 506,395	9,070 10,157	3,417,886 3,898,913	3,572 6,435	798,454 1,241,141
2018 DATA							
Alabama		11	33	2	(D)	11	(D)
Alaska		-	-	-	-	-	-
Arizona		34	1,364	604	404,328	91	41,499
Arkansas		43	25,711	641	777,337	156	143,211
California		275	21,400	2,709	730,305	629	168,224
Colorado		156	10,893	278	14,645	285	14,044
Connecticut		-	-	-	-	-	-
Delaware		4	4	-	-	-	-
Florida		9	7,020	50	20,410	-	-
Georgia		11	11	-	-	-	-
Hawaii		1	(D)	-	-	6	(D)
Idaho		84	4,261	305	24,473	872	104,379
Illinois		-	-	-	-	-	-
Indiana		-	-	-	-	-	-
Iowa		-	-	-	-	-	-
Kansas		19	2,528	77	6,784	19	1,525
Kentucky		-	-	-	-	-	-
Louisiana		6	600	348	251,585	31	37,690
Maine		-	-	3	3	3	3
Maryland		-	-	-	-	-	-
Massachusetts		-	-	1	(D)	-	-
Michigan		20	40	-	-	-	-
Minnesota		-	-	-	-	-	-
Mississippi		54	30,022	378	489,721	72	75,643
Missouri		47	29,823	232	269,595	37	30,866
Montana		35	2,246	325	77,575	91	19,674
Nebraska		365	45,565	152	9,336	189	27,311
Nevada		-	-	306	98,098	32	227
New Hampshire		-	-	-	-	-	-
New Jersey		45	68	23	46	45	68
New Mexico		46	4,595	1,401	50,272	212	12,942
New York		23	46	-	-	-	-
North Carolina		-	-	-	-	-	-
North Dakota		-	-	18	9,000	-	-
Ohio		2	(D)	-	-	-	-
Oklahoma		-	-	58	9,034	44	11,377
Oregon		2	(D)	48	(D)	71	4,458
Pennsylvania		26	9,521	5	9,500	5	9,500
Rhode Island		-	-	-	-	5	40
South Carolina		-	-	-	-	-	-
South Dakota		-	-	27	2,360	-	-
Tennessee		27	1,664	23	1,460	5	1,290
Texas		80	5,527	223	81,698	109	7,961
Utah		-	-	624	51,959	164	4,885
Vermont		-	-	-	-	-	-
Virginia		22	22	-	-	-	-
Washington		27	(D)	26	(D)	164	17,525
West Virginia		-	-	-	-	-	-
Wisconsin		18	18	-	-	-	-
Wyoming		108	16,632	183	11,166	224	64,089
Water Resources Regions							
Region 01 New England		-	-	4	(D)	8	43
Region 02 Mid-Atlantic		54	9,572	28	(D)	50	9,568
Region 03 South Atlantic-Gulf		26	7,061	58	24,144	6	36
Region 04 Great Lakes		84	(D)	-	-	-	-
Region 05 Ohio		22	22	-	-	-	-
Region 06 Tennessee		33	407	-	-	11	(D)
Region 07 Upper Mississippi		-	-	8	5,840	-	-
Region 08 Lower Mississippi		134	86,988	1,408	1,534,798	235	250,987
Region 09 Souris-Red-Rainy		-	-	-	-	-	-
Region 10 Missouri		589	70,944	776	114,423	583	116,820
Region 11 Arkansas-White-Red		9	422	425	268,470	248	64,318
Region 12 Texas-Gulf		60	5,507	184	78,501	89	6,521
Region 13 Rio Grande		25	4,370	1,236	46,451	79	1,820
Region 14 Upper Colorado		118	7,125	400	14,527	336	9,833
Region 15 Lower Colorado		34	1,364	651	422,806	96	51,686
Region 16 Great Basin		-	-	782	143,035	92	2,398
Region 17 Pacific Northwest		136	8,255	407	42,550	1,083	125,402
Region 18 California		275	21,400	2,703	712,292	650	158,999
Region 19 Alaska		-	-	-	-	-	-
Region 20 Hawaii		1	(D)	-	-	6	(D)

¹ Multiple systems covering the same acreage are counted each time they cover the acres. This includes multiple systems of the same type.

² More than one technique may have been used on an irrigated acre during the survey year.