

**Table 33. Sprinkler Irrigation in Fields in the Open: 2023 and 2018**

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

Geographic area	Farms	Acres irrigated <sup>1</sup>	Center pivot system							
			Farms	Acres irrigated <sup>1</sup>	Low pressure under 30 psi		Medium pressure 30 to 59 psi		High pressure 60 psi or more	
					Farms	Acres irrigated <sup>1</sup>	Farms	Acres irrigated	Farms	Acres irrigated
United States .....2023	106,253	30,849,622	49,507	25,971,706	20,648	10,767,730	27,054	13,585,090	4,585	1,618,886
.....2018	109,184	31,656,895	49,923	26,800,613	20,553	10,536,214	27,174	14,679,988	4,891	1,584,411
<b>2023 DATA</b>										
Alabama .....	734	156,396	421	141,015	130	57,945	267	73,790	31	9,280
Alaska .....	97	1,163	6	688	3	(D)	3	(D)	-	-
Arizona .....	820	182,162	105	103,916	98	(D)	2	(D)	5	25
Arkansas .....	638	389,975	444	357,309	162	129,685	242	214,085	53	13,539
California .....	9,171	1,081,423	1,067	142,015	693	73,809	397	60,589	66	7,617
Colorado .....	4,144	1,289,171	2,284	1,200,630	905	306,959	1,406	824,746	190	68,925
Connecticut .....	258	1,919	23	88	12	67	11	21	-	-
Delaware .....	334	133,497	275	115,219	85	24,753	194	88,961	8	1,505
Florida .....	3,457	313,146	642	200,958	254	82,633	347	108,685	73	9,640
Georgia .....	2,493	1,145,152	1,713	1,041,978	533	417,346	1,146	583,627	239	41,005
Hawaii .....	780	8,023	59	782	28	(D)	29	(D)	16	222
Idaho .....	6,894	2,703,060	2,818	2,220,695	1,030	729,435	1,519	1,151,692	410	339,568
Illinois .....	1,623	705,730	1,261	651,297	341	148,209	911	477,455	38	25,633
Indiana .....	1,757	588,180	1,347	556,454	324	169,905	943	345,771	124	40,778
Iowa .....	770	237,840	556	209,607	244	77,425	240	121,288	86	10,894
Kansas .....	3,553	2,248,701	3,416	2,219,544	2,445	1,705,718	935	505,706	110	8,120
Kentucky .....	337	86,077	132	73,659	30	13,821	84	48,180	27	11,658
Louisiana .....	453	83,312	177	78,453	65	15,280	112	63,173	13	-
Maine .....	228	16,663	39	4,414	19	1,131	16	1,293	10	1,990
Maryland .....	514	132,043	327	112,483	180	58,439	160	48,323	15	5,721
Massachusetts .....	637	15,849	206	2,906	59	984	131	1,476	20	446
Michigan .....	2,659	738,979	1,479	610,746	201	73,698	984	381,568	327	155,480
Minnesota .....	1,888	607,774	1,462	533,946	723	240,724	657	263,030	157	30,192
Mississippi .....	548	232,995	347	213,704	134	69,722	171	109,853	57	34,129
Missouri .....	1,057	626,064	813	606,194	285	212,664	537	380,367	67	13,163
Montana .....	3,871	704,579	1,578	551,689	514	159,807	1,008	342,296	167	49,586
Nebraska .....	11,842	6,818,973	11,491	6,695,152	3,157	1,748,938	8,328	4,620,636	976	325,578
Nevada .....	517	216,656	266	183,762	97	72,698	148	109,534	30	1,530
New Hampshire .....	140	1,278	10	(D)	7	34	3	(D)	-	-
New Jersey .....	737	51,579	168	16,555	66	8,302	100	4,138	6	4,115
New Mexico .....	1,865	306,373	390	272,158	302	162,844	89	109,314	-	-
New York .....	856	22,222	88	3,436	23	1,642	44	1,630	24	164
North Carolina .....	1,803	144,639	378	94,369	163	30,596	184	59,685	39	4,088
North Dakota .....	489	227,912	439	222,615	151	67,578	277	146,927	33	8,110
Ohio .....	734	47,834	198	32,010	74	4,497	110	23,028	14	4,485
Oklahoma .....	1,338	531,455	1,038	472,006	733	362,667	357	109,339	-	-
Oregon .....	8,705	1,080,509	1,342	563,201	620	280,972	555	244,656	213	37,573
Pennsylvania .....	500	13,289	90	3,425	29	56	38	1,537	23	1,832
Rhode Island .....	114	3,291	17	(D)	11	11	6	(D)	-	-
South Carolina .....	902	171,261	420	157,984	193	52,724	235	100,340	24	4,920
South Dakota .....	1,058	366,660	954	362,020	216	82,543	665	254,872	120	24,605
Tennessee .....	668	186,570	349	160,902	165	63,083	157	90,602	33	7,217
Texas .....	6,486	3,324,072	4,535	2,625,724	3,624	2,194,474	859	380,522	162	50,728
Utah .....	6,121	602,218	1,221	403,524	449	159,546	752	240,327	87	3,651
Vermont .....	147	952	18	(D)	6	9	12	(D)	-	-
Virginia .....	654	49,996	140	27,676	73	11,868	67	15,499	3	309
Washington .....	7,191	1,402,977	1,029	999,597	307	446,843	602	400,142	192	152,612
West Virginia .....	85	797	-	-	-	-	-	-	-	-
Wisconsin .....	1,857	514,896	917	448,257	228	82,831	524	279,673	228	85,753
Wyoming .....	1,729	333,340	1,012	276,863	457	102,416	490	151,947	82	22,500
<b>Water Resource Regions</b>										
Region 01 New England .....	1,413	39,345	305	7,478	111	2,230	174	2,812	30	2,436
Region 02 Mid-Atlantic .....	2,982	386,935	1,012	270,987	420	101,320	561	156,091	78	13,576
Region 03 South Atlantic-Gulf .....	9,453	1,893,519	3,532	1,595,861	1,275	607,150	2,141	920,978	400	67,733
Region 04 Great Lakes .....	4,088	949,172	1,994	800,989	269	103,483	1,377	515,407	413	182,099
Region 05 Ohio .....	2,261	494,469	1,135	452,666	365	148,913	736	284,652	58	19,101
Region 06 Tennessee .....	577	81,312	197	74,535	43	36,036	140	30,132	14	8,367
Region 07 Upper Mississippi .....	5,806	1,950,662	4,036	1,742,011	1,420	524,087	2,248	1,060,800	536	157,124
Region 08 Lower Mississippi .....	1,776	1,205,720	1,420	1,130,714	604	392,168	785	692,983	120	45,563
Region 09 Souris-Red-Rainy .....	398	177,199	369	171,695	162	57,727	178	100,653	52	13,315
Region 10 Missouri .....	20,283	9,732,975	17,843	9,402,523	5,677	2,705,970	12,070	6,233,097	1,430	463,456
Region 11 Arkansas-White-Red .....	5,824	4,036,420	4,958	3,745,283	3,727	2,957,812	1,286	767,946	87	19,525
Region 12 Texas-Gulf .....	4,975	1,853,289	3,295	1,352,003	2,596	1,098,852	650	210,223	138	42,928
Region 13 Rio Grande .....	1,248	336,522	536	296,229	259	108,007	276	173,172	5	15,050
Region 14 Upper Colorado .....	4,067	420,686	1,005	298,019	433	118,307	519	167,902	137	11,810
Region 15 Lower Colorado .....	1,186	223,174	201	125,473	120	72,787	33	52,150	48	536
Region 16 Great Basin .....	5,661	728,045	1,136	542,342	434	187,132	615	316,092	117	39,118
Region 17 Pacific Northwest .....	23,829	5,191,268	5,312	3,796,853	1,964	1,462,228	2,814	1,830,360	812	504,265
Region 18 California .....	9,549	1,139,724	1,156	164,575	738	83,413	419	68,500	94	12,662
Region 19 Alaska .....	97	1,163	6	688	3	(D)	3	(D)	-	-
Region 20 Hawaii .....	780	8,023	59	782	28	(D)	29	(D)	16	222

See footnote(s) at end of table.

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**Table 33. Sprinkler Irrigation in Fields in the Open: 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	Linear move tower sprinklers						Solid set and permanent sprinklers					
	Farms	Acres irrigated <sup>1</sup>	Low pressure under 30 psi		Medium to high pressure 30 psi or more		Farms	Acres irrigated <sup>1</sup>	Low pressure under 30 psi		Medium to high pressure 30 psi or more	
			Farms	Acres irrigated <sup>1</sup>	Farms	Acres irrigated <sup>1</sup>			Farms	Acres irrigated <sup>1</sup>	Farms	Acres irrigated <sup>1</sup>
United States ..... 2023	5,058	826,368	1,860	491,437	3,249	334,931	17,662	1,405,482	6,395	433,198	11,571	972,284
..... 2018	3,669	469,408	1,195	141,356	2,499	328,052	18,216	1,206,860	5,203	321,635	13,643	885,225
<b>2023 DATA</b>												
Alabama .....	29	2,200	-	-	29	2,200	46	597	1	(D)	46	(D)
Alaska .....	1	(D)	-	-	1	(D)	27	(D)	19	(D)	8	34
Arizona .....	24	6,619	23	(D)	1	(D)	131	48,180	56	2,355	75	45,825
Arkansas .....	13	607	6	600	7	7	50	13,362	22	1,022	28	12,340
California .....	326	60,443	104	14,314	222	46,129	5,621	663,793	1,895	175,815	3,898	487,978
Colorado .....	152	4,823	61	1,324	113	3,499	263	3,502	143	1,578	120	1,924
Connecticut .....	21	309	20	(D)	1	(D)	38	706	13	73	30	633
Delaware .....	29	7,922	5	1,815	24	6,107	11	3,227	2	(D)	9	(D)
Florida .....	101	17,301	9	10,192	92	7,109	1,321	38,547	762	25,301	559	13,246
Georgia .....	81	6,615	81	6,615	-	-	409	29,861	123	5,252	295	24,609
Hawaii .....	28	720	-	-	28	720	99	2,477	59	928	54	1,549
Idaho .....	435	75,438	125	28,800	322	46,638	994	47,159	392	18,288	608	28,871
Illinois .....	79	5,941	43	589	36	5,352	73	568	42	239	31	329
Indiana .....	78	12,558	35	6,480	43	6,078	91	517	62	419	29	98
Iowa .....	39	3,262	21	3,234	18	28	30	(D)	29	121	1	(D)
Kansas .....	56	26,694	56	26,694	-	-	6	72	-	-	6	72
Kentucky .....	10	2,860	-	-	10	2,860	31	1,414	9	128	22	1,286
Louisiana .....	24	600	12	60	12	540	117	2,480	25	396	92	2,084
Maine .....	16	165	10	20	6	145	24	(D)	8	(D)	18	(D)
Maryland .....	27	3,212	19	2,467	8	745	29	746	6	618	23	128
Massachusetts .....	52	558	10	86	42	472	269	8,772	69	1,200	209	7,572
Michigan .....	47	119	-	-	47	119	510	26,761	222	17,291	289	9,470
Minnesota .....	85	10,998	48	10,348	37	650	135	16,564	85	8,058	50	8,506
Mississippi .....	26	752	18	400	8	352	20	278	10	58	10	220
Missouri .....	24	1,124	13	24	11	1,100	33	286	19	122	14	164
Montana .....	119	3,892	79	1,277	40	2,615	151	2,504	44	1,803	110	701
Nebraska .....	216	44,050	29	8,700	187	35,350	46	66,806	-	-	46	66,806
Nevada .....	-	-	-	-	-	-	54	1,536	8	26	46	1,510
New Hampshire .....	19	485	18	(D)	1	(D)	20	(D)	12	20	16	(D)
New Jersey .....	29	368	4	(D)	25	(D)	169	5,508	57	384	112	5,124
New Mexico .....	1	(D)	1	(D)	-	-	260	9,287	185	8,011	106	1,276
New York .....	35	1,440	32	1,035	3	405	144	(D)	95	(D)	49	441
North Carolina .....	70	2,290	3	150	67	2,140	404	20,486	172	10,415	256	10,071
North Dakota .....	14	1,900	14	1,900	-	-	12	706	5	675	7	31
Ohio .....	37	383	16	104	21	279	109	2,766	57	656	54	2,110
Oklahoma .....	102	2,957	63	1,894	39	1,063	77	3,320	68	3,279	9	41
Oregon .....	758	51,714	206	25,415	552	26,299	1,772	60,981	397	27,151	1,375	33,830
Pennsylvania .....	55	1,595	28	203	30	1,392	26	1,793	-	-	26	1,793
Rhode Island .....	2	(D)	-	-	2	(D)	18	953	15	353	3	600
South Carolina .....	123	5,532	99	4,092	24	1,440	124	1,948	67	1,472	57	476
South Dakota .....	2	(D)	2	(D)	-	-	16	(D)	13	(D)	3	165
Tennessee .....	-	-	-	-	-	-	89	2,130	8	1,813	81	317
Texas .....	565	382,784	278	290,619	288	92,165	550	80,369	275	72,922	290	7,447
Utah .....	641	25,671	110	9,312	531	16,359	311	4,229	35	901	276	3,328
Vermont .....	17	(D)	17	(D)	-	-	41	484	4	(D)	37	(D)
Virginia .....	26	765	-	-	26	765	86	1,661	31	1,079	55	582
Washington .....	286	27,462	93	16,092	200	11,370	2,460	198,166	747	40,320	1,714	157,846
West Virginia .....	6	(D)	6	6	6	(D)	3	3	-	-	3	3
Wisconsin .....	45	8,014	1	(D)	44	(D)	306	19,128	24	167	283	18,961
Wyoming .....	87	11,717	42	11,000	45	717	36	2,486	3	168	33	2,318
<b>Water Resource Regions</b>												
Region 01 New England .....	110	2,507	58	842	52	1,665	391	17,994	118	3,497	297	14,497
Region 02 Mid-Atlantic .....	178	14,497	66	5,036	121	9,461	361	12,120	144	1,420	217	10,700
Region 03 South Atlantic-Gulf .....	424	34,330	210	21,449	214	12,881	2,335	91,601	1,122	42,436	1,225	49,165
Region 04 Great Lakes .....	110	1,156	61	927	49	229	668	30,022	292	18,125	378	11,897
Region 05 Ohio .....	74	4,703	32	1,704	42	2,999	234	4,995	102	2,389	134	2,606
Region 06 Tennessee .....	6	(D)	-	-	6	(D)	26	(D)	25	(D)	23	90
Region 07 Upper Mississippi .....	267	35,645	108	15,763	159	19,882	533	35,950	177	8,685	356	27,265
Region 08 Lower Mississippi .....	38	992	12	(D)	26	(D)	174	14,832	39	428	135	14,404
Region 09 Souris-Red-Rainy .....	-	-	-	-	-	-	16	160	16	160	-	-
Region 10 Missouri .....	489	71,367	147	29,016	342	42,351	250	71,903	100	1,611	150	70,292
Region 11 Arkansas-White-Red .....	295	95,926	211	50,970	84	44,956	173	70,463	115	66,445	73	4,018
Region 12 Texas-Gulf .....	366	313,277	148	265,605	219	47,672	473	14,679	213	10,680	260	3,999
Region 13 Rio Grande .....	71	1,044	47	444	24	600	211	8,732	175	7,997	67	735
Region 14 Upper Colorado .....	163	10,842	68	8,104	117	2,738	293	3,697	131	1,115	162	2,582
Region 15 Lower Colorado .....	89	8,186	23	(D)	66	(D)	191	61,561	56	2,355	135	59,206
Region 16 Great Basin .....	563	20,249	85	2,402	478	17,847	301	4,813	62	1,447	239	3,366
Region 17 Pacific Northwest .....	1,414	147,386	454	67,982	979	79,404	5,225	297,009	1,532	80,646	3,703	216,363
Region 18 California .....	372	63,083	130	16,914	242	46,169	5,681	661,562	1,898	182,046	3,955	479,516
Region 19 Alaska .....	1	(D)	-	-	1	(D)	27	(D)	19	(D)	8	34
Region 20 Hawaii .....	28	720	-	-	28	720	99	2,477	59	928	54	1,549

See footnote(s) at end of table.

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**Table 33. Sprinkler Irrigation in Fields in the Open: 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	Mechanical move systems				Hand-Move systems, including hand watered		Other sprinkler system	
	Side roll, wheel move, or other mechanical move		Big gun or traveler		Farms	Acres irrigated	Farms	Acres irrigated
	Farms	Acres irrigated	Farms	Acres irrigated				
United States ..... 2023	15,009	1,578,115	7,732	576,362	24,859	215,342	5,847	276,247
..... 2018	16,130	1,788,443	7,518	596,059	22,266	394,194	8,673	401,318
<b>2023 DATA</b>								
Alabama .....	54	5,140	49	3,065	175	2,725	70	1,654
Alaska .....	2	(D)	1	(D)	63	256	-	-
Arizona .....	101	20,006	38	1,007	480	2,416	18	18
Arkansas .....	43	16,532	24	1,745	131	325	9	95
California .....	380	89,599	97	10,247	1,826	14,435	1,258	100,891
Colorado .....	788	48,659	356	10,059	667	4,178	171	17,320
Connecticut .....	-	-	17	202	172	411	28	203
Delaware .....	23	3,059	32	2,970	14	16	4	1,084
Florida .....	7	8,141	191	30,379	1,093	7,400	549	10,420
Georgia .....	217	32,010	329	27,654	309	2,026	97	5,008
Hawaii .....	2	(D)	3	(D)	465	1,317	199	2,447
Idaho .....	2,186	323,118	321	10,408	2,048	22,896	252	3,346
Illinois .....	136	40,723	44	6,238	287	435	32	528
Indiana .....	56	11,772	138	6,334	196	473	13	72
Iowa .....	88	23,795	21	930	72	103	1	(D)
Kansas .....	5	5	8	184	92	130	69	2,072
Kentucky .....	5	3,321	66	4,484	111	339	-	-
Louisiana .....	15	375	24	900	112	376	16	128
Maine .....	1	(D)	15	4,636	153	(D)	44	66
Maryland .....	40	10,073	28	2,202	132	856	10	2,471
Massachusetts .....	17	224	47	1,448	175	690	82	1,251
Michigan .....	97	33,813	636	62,141	665	2,588	111	2,811
Minnesota .....	98	41,500	140	3,235	216	485	35	1,046
Mississippi .....	41	16,491	23	1,412	121	315	5	43
Missouri .....	36	2,833	73	14,922	137	481	30	224
Montana .....	1,627	121,875	188	6,754	1,603	17,720	29	145
Nebraska .....	153	3,808	71	7,468	167	1,225	49	464
Nevada .....	224	29,329	34	246	54	1,042	3	741
New Hampshire .....	5	(D)	5	(D)	83	(D)	24	157
New Jersey .....	29	8,210	177	15,955	261	2,800	87	2,183
New Mexico .....	377	20,195	34	2,018	863	2,075	106	(D)
New York .....	2	(D)	148	12,230	492	1,312	135	2,095
North Carolina .....	85	4,805	443	17,482	703	3,730	164	1,477
North Dakota .....	9	2,450	8	204	23	(D)	8	(D)
Ohio .....	33	2,684	140	5,761	358	3,294	57	936
Oklahoma .....	111	33,022	73	4,089	93	747	42	15,314
Oregon .....	2,171	207,473	1,630	138,804	3,340	39,503	637	18,833
Pennsylvania .....	5	51	134	5,362	230	636	46	427
Rhode Island .....	9	35	8	943	64	177	20	170
South Carolina .....	25	863	58	1,508	188	563	171	2,863
South Dakota .....	27	3,240	27	1,080	60	113	-	-
Tennessee .....	73	22,216	28	730	204	442	50	150
Texas .....	585	136,408	249	12,787	617	28,711	339	57,289
Utah .....	3,201	145,559	262	4,405	2,104	16,643	137	2,187
Vermont .....	1	(D)	2	(D)	78	241	5	9
Virginia .....	13	615	161	18,693	307	582	4	4
Washington .....	1,180	58,227	793	88,248	2,223	23,961	436	7,316
West Virginia .....	-	-	15	573	67	(D)	-	-
Wisconsin .....	18	11,545	200	15,999	614	2,446	171	9,507
Wyoming .....	608	32,979	123	7,802	151	1,113	24	380
<b>Water Resource Regions</b>								
Region 01 New England .....	32	341	93	7,525	654	1,644	203	1,856
Region 02 Mid-Atlantic .....	111	22,268	591	53,382	1,032	5,562	242	8,119
Region 03 South Atlantic-Gulf .....	406	51,490	1,119	82,210	2,455	16,559	1,059	21,468
Region 04 Great Lakes .....	117	34,926	833	72,133	1,352	6,300	170	3,646
Region 05 Ohio .....	67	14,343	256	15,177	719	2,222	56	363
Region 06 Tennessee .....	25	4,000	34	901	293	507	50	150
Region 07 Upper Mississippi .....	336	103,310	349	19,958	991	2,737	242	11,051
Region 08 Lower Mississippi .....	114	43,839	46	14,609	175	574	20	160
Region 09 Souris-Red-Rainy .....	21	5,306	-	-	24	33	5	5
Region 10 Missouri .....	1,728	134,568	440	28,873	1,105	7,460	160	16,281
Region 11 Arkansas-White-Red .....	276	79,988	124	9,437	354	3,307	167	32,016
Region 12 Texas-Gulf .....	459	94,492	225	9,187	581	27,320	281	42,331
Region 13 Rio Grande .....	183	27,327	34	2,018	317	432	107	740
Region 14 Upper Colorado .....	1,770	95,049	277	4,287	1,293	6,396	182	2,396
Region 15 Lower Colorado .....	253	24,253	91	1,197	527	2,477	23	27
Region 16 Great Basin .....	2,627	133,767	231	5,950	2,010	17,782	77	3,142
Region 17 Pacific Northwest .....	5,839	586,390	2,863	238,175	8,595	97,702	1,302	27,753
Region 18 California .....	641	122,218	122	11,235	1,854	14,755	1,302	102,296
Region 19 Alaska .....	2	(D)	1	(D)	63	256	-	-
Region 20 Hawaii .....	2	(D)	3	(D)	465	1,317	199	2,447

<sup>1</sup> Different methods can be applied to the same acreage and acreage is counted each time a method is applied.