

Table 11. Irrigation Wells Used on Farms: 2023

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

Geographic area	Farms	Number	With flow meters				With backflow prevention devices			
			Farms	Number	Acres irrigated in the open	Square feet under protection irrigated	Farms	Number	Acres irrigated in the open	Square feet under protection irrigated
United States	114,889	456,058	40,642	165,909	16,407,423	514,121,525	83,061	337,420	27,134,112	992,896,997
Alabama	765	1,493	77	234	16,891	218,000	578	1,031	54,527	6,732,260
Alaska	234	320	33	33	144	123,216	149	171	586	379,329
Arizona	1,343	4,066	351	1,534	183,442	3,773,140	733	2,068	172,470	4,582,220
Arkansas	2,470	43,421	634	7,519	821,883	2,223,920	1,419	20,299	2,051,332	3,121,064
California	22,736	63,186	9,023	27,671	2,288,772	184,435,166	17,750	49,321	3,175,440	244,637,286
Colorado	2,022	8,509	1,318	6,122	691,833	4,473,033	1,452	7,155	808,105	3,793,583
Connecticut	464	700	76	148	498	7,282,580	434	666	1,360	13,282,029
Delaware	394	1,879	79	407	25,278	(D)	338	1,595	100,603	1,214,772
Florida	6,691	18,853	1,668	8,363	427,493	163,933,721	5,252	15,630	530,876	307,737,736
Georgia	3,443	11,852	1,789	7,580	771,761	5,132,180	2,627	9,399	811,506	12,430,907
Hawaii	136	145	122	128	3,803	60,984	132	138	3,602	4,410,984
Idaho	2,759	8,044	1,254	4,129	830,296	628,369	1,911	6,047	1,061,730	1,846,508
Illinois	1,853	7,474	177	1,029	1,662,465	52,141	1,252	5,040	501,149	8,416,525
Indiana	1,894	5,794	266	833	80,341	2,007,120	1,180	3,889	409,591	6,676,214
Iowa	901	2,505	69	163	10,021	288,000	627	1,940	166,526	1,136,037
Kansas	3,632	18,502	3,110	17,017	2,081,148	1,249,000	3,005	16,559	2,035,774	793,250
Kentucky	374	781	33	84	5,392	72,000	241	507	34,894	1,075,048
Louisiana	1,536	10,537	125	363	37,934	1,164,728	969	5,916	665,873	8,556,076
Maine	414	474	30	50	6,908	78,200	225	259	7,579	631,863
Maryland	720	1,889	140	292	15,571	2,670,188	552	1,485	78,476	6,223,484
Massachusetts	545	950	52	88	197	1,104,360	283	460	1,070	2,483,096
Michigan	3,543	9,949	762	2,080	121,622	37,053,157	2,723	7,944	512,795	49,375,155
Minnesota	2,282	6,464	720	1,985	205,462	3,743,520	1,626	4,856	428,656	10,395,100
Mississippi	1,463	15,211	815	5,001	580,026	438,886	1,076	10,937	1,265,145	4,088,966
Missouri	1,713	14,824	234	1,307	153,988	516,200	1,010	7,198	708,751	3,520,548
Montana	986	1,579	174	321	29,210	138,990	579	961	34,122	1,546,454
Nebraska	12,059	65,690	7,321	33,940	3,845,098	191,865	9,899	54,988	5,931,134	1,151,043
Nevada	584	1,885	456	1,499	219,051	345,700	404	1,615	222,460	358,292
New Hampshire	259	366	33	65	263	1,212,390	233	336	583	3,449,231
New Jersey	945	1,828	196	360	12,061	5,628,702	640	1,337	42,332	36,740,532
New Mexico	2,824	7,354	1,588	3,789	162,392	570,684	1,727	4,346	189,122	1,565,374
New York	1,326	2,222	198	287	5,834	969,000	840	1,287	10,640	13,973,314
North Carolina	1,601	3,463	252	602	15,775	1,557,220	1,186	2,328	40,322	11,643,692
North Dakota	385	1,795	251	1,294	128,338	147,000	294	1,536	147,301	281,900
Ohio	1,056	1,516	118	252	12,603	7,440,700	528	810	24,403	9,964,456
Oklahoma	1,306	5,585	245	1,379	122,106	89,500	865	4,572	399,455	493,620
Oregon	5,179	10,123	1,481	2,925	264,743	20,616,440	3,011	5,946	334,134	46,610,050
Pennsylvania	1,509	2,173	203	293	2,062	10,361,664	1,034	1,590	7,795	29,275,005
Rhode Island	155	235	9	17	80	175,200	106	132	1,214	1,020,204
South Carolina	1,112	3,058	163	531	45,309	26,040	732	2,176	132,726	3,950,920
South Dakota	898	2,577	104	218	31,826	36,096	633	2,029	243,942	437,096
Tennessee	926	2,049	169	368	33,826	598,000	597	1,260	85,314	2,740,680
Texas	8,216	66,715	2,546	18,452	1,481,978	20,949,352	6,172	57,281	2,660,913	87,596,293
Utah	1,266	2,659	243	845	121,859	(D)	726	1,848	201,817	175,400
Vermont	364	478	32	32	66	108,276	287	339	600	1,772,994
Virginia	926	1,117	77	124	1,420	3,016,352	521	641	4,248	9,785,654
Washington	3,751	6,698	1,095	2,033	279,992	4,645,289	2,382	4,038	390,624	4,191,542
West Virginia	295	335	31	33	-	228,076	160	188	381	702,448
Wisconsin	2,197	5,735	561	1,712	149,505	9,792,648	1,768	4,770	387,542	15,909,759
Wyoming	437	1,001	139	378	29,181	(D)	193	556	52,572	21,000
Water Resource Regions										
Region 01 New England	1,953	2,888	201	369	7,956	9,864,730	1,383	1,995	12,150	21,180,681
Region 02 Mid-Atlantic	5,087	10,187	861	1,718	61,710	21,873,914	3,478	7,373	240,277	93,176,568
Region 03 South Atlantic-Gulf	13,814	39,089	3,961	17,349	1,273,326	170,925,361	10,509	30,817	1,555,944	345,093,559
Region 04 Great Lakes	5,385	13,380	1,079	2,561	157,157	45,794,133	3,940	10,350	663,375	64,412,995
Region 05 Ohio	2,976	6,173	377	998	74,241	9,665,896	1,679	4,005	311,003	19,321,135
Region 06 Tennessee	735	1,080	132	206	9,493	520,000	452	576	23,120	3,336,600
Region 07 Upper Mississippi	6,620	20,945	1,237	4,331	367,164	7,717,933	4,760	15,183	1,380,349	25,884,951
Region 08 Lower Mississippi	5,650	75,795	1,623	13,335	1,505,943	1,750,094	3,609	41,001	4,383,337	9,415,022
Region 09 Souris-Red-Rainy	414	1,705	215	1,107	103,657	147,000	309	1,475	129,587	261,400
Region 10 Missouri	17,372	83,188	9,828	43,637	4,892,553	4,710,374	13,792	69,121	7,490,205	8,191,966
Region 11 Arkansas-White-Red	6,165	44,248	3,342	24,805	2,863,874	3,320,480	4,700	36,357	3,555,128	5,194,144
Region 12 Texas-Gulf	6,660	50,757	1,763	8,996	538,284	13,108,551	4,921	41,972	1,499,387	79,265,492
Region 13 Rio Grande	3,186	8,145	1,827	5,391	333,630	8,446,465	1,843	5,198	291,126	9,429,295
Region 14 Upper Colorado	197	197	33	33	3,046	582,800	93	93	3,683	855,800
Region 15 Lower Colorado	1,591	4,655	476	1,880	205,990	3,919,320	966	2,640	203,039	4,748,560
Region 16 Great Basin	1,737	4,437	647	2,260	355,515	1,139,520	993	3,319	439,670	375,560
Region 17 Pacific Northwest	12,051	25,181	3,760	8,980	1,332,641	26,015,588	7,518	16,200	1,755,928	53,106,718
Region 18 California	22,926	63,543	9,125	27,792	2,317,296	184,435,166	17,835	49,436	3,192,616	244,856,238
Region 19 Alaska	234	320	33	33	144	123,216	149	171	586	379,329
Region 20 Hawaii	136	145	122	128	3,803	60,984	132	138	3,602	4,410,984

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Table 11. Irrigation Wells Used on Farms: 2023 (continued)

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

Geographic area	Farms by number of wells used									
	1 well	2 wells	3 wells	4 wells	5 wells	6 wells	7 to 9 wells	10 to 14 wells	15 to 19 wells	20 wells or more
United States	61,387	18,680	8,284	5,135	3,502	2,565	4,903	4,087	1,865	4,481
Alabama	438	197	51	28	26	2	14	5	2	2
Alaska	190	22	2	20	-	-	-	-	-	-
Arizona	745	217	143	48	58	29	56	24	1	22
Arkansas	318	134	155	69	72	77	249	425	144	827
California	13,643	4,024	1,666	739	525	436	676	431	153	443
Colorado	874	282	200	192	74	97	138	69	19	77
Connecticut	332	83	15	30	1	1	1	-	-	-
Delaware	120	66	47	35	25	20	18	39	11	13
Florida	3,588	1,655	390	400	187	102	174	33	47	115
Georgia	1,733	591	332	337	50	67	97	117	28	91
Hawaii	131	1	4	-	-	-	-	-	-	-
Idaho	1,753	320	223	133	66	58	62	71	19	54
Illinois	886	361	210	62	24	57	95	71	29	58
Indiana	907	358	188	101	73	45	94	97	18	13
Iowa	564	104	72	48	-	14	48	21	17	13
Kansas	1,242	590	424	230	275	124	229	257	92	169
Kentucky	239	70	25	6	12	3	9	6	2	2
Louisiana	343	241	197	91	101	70	172	129	59	133
Maine	383	23	3	-	4	-	-	-	1	-
Maryland	384	149	44	46	24	15	18	32	3	5
Massachusetts	336	174	17	-	7	5	-	-	-	6
Michigan	2,082	655	147	173	125	130	82	51	18	80
Minnesota	1,251	414	183	140	69	49	85	40	35	31
Mississippi	444	150	71	66	62	33	175	126	71	265
Missouri	826	113	56	115	35	50	66	121	47	284
Montana	748	114	52	25	24	-	1	22	-	-
Nebraska	3,477	1,791	1,314	951	752	638	1,304	774	503	555
Nevada	216	224	18	21	41	10	33	13	-	8
New Hampshire	184	56	11	7	-	-	1	-	-	-
New Jersey	631	202	18	12	42	5	6	16	10	3
New Mexico	2,006	254	160	46	75	63	98	38	39	45
New York	899	288	52	9	47	2	3	26	-	-
North Carolina	1,010	264	168	40	6	1	51	39	14	8
North Dakota	162	87	38	9	17	11	30	13	3	15
Ohio	774	190	78	4	5	1	1	2	-	1
Oklahoma	640	347	81	-	29	1	42	33	77	56
Oregon	3,817	574	300	66	75	48	178	68	21	32
Pennsylvania	1,148	210	106	5	6	26	3	4	1	-
Rhode Island	107	31	7	6	3	1	-	-	-	-
South Carolina	740	153	56	12	16	17	21	77	4	16
South Dakota	465	93	71	124	19	19	103	2	-	2
Tennessee	571	187	61	23	15	27	10	19	8	5
Texas	3,491	1,124	407	431	352	139	345	595	356	976
Utah	850	236	45	45	23	1	-	64	1	1
Vermont	271	75	15	3	-	-	-	-	-	-
Virginia	804	88	23	5	3	-	2	-	1	-
Washington	2,752	600	144	77	32	35	27	59	1	24
West Virginia	259	33	2	1	-	-	-	-	-	-
Wisconsin	1,372	371	160	100	14	27	63	54	6	30
Wyoming	241	94	32	19	11	9	23	4	3	1
Water Resource Regions										
Region 01 New England	1,411	414	53	43	15	7	2	-	2	6
Region 02 Mid-Atlantic	3,410	857	286	107	147	67	50	117	25	21
Region 03 South Atlantic-Gulf	7,704	2,828	1,008	823	297	189	367	269	95	234
Region 04 Great Lakes	3,298	1,076	233	207	159	131	83	86	21	91
Region 05 Ohio	1,990	490	223	43	39	29	75	54	6	27
Region 06 Tennessee	552	143	26	-	2	1	4	1	6	-
Region 07 Upper Mississippi	3,682	1,071	584	334	119	155	269	204	98	104
Region 08 Lower Mississippi	894	605	415	310	252	208	602	720	283	1,361
Region 09 Souris-Red-Rainy	150	131	17	14	14	27	32	18	3	8
Region 10 Missouri	6,059	2,606	1,863	1,399	948	774	1,613	909	547	654
Region 11 Arkansas-White-Red	2,203	940	459	326	307	158	405	516	257	594
Region 12 Texas-Gulf	2,928	966	357	328	250	107	266	398	314	746
Region 13 Rio Grande	2,291	249	208	49	90	95	81	60	12	51
Region 14 Upper Colorado	197	-	-	-	-	-	-	-	-	-
Region 15 Lower Colorado	878	283	143	48	80	29	78	29	1	22
Region 16 Great Basin	1,001	396	63	71	64	22	33	77	1	9
Region 17 Pacific Northwest	8,680	1,518	650	271	195	130	258	198	41	110
Region 18 California	13,738	4,084	1,690	742	524	436	685	431	153	443
Region 19 Alaska	190	22	2	20	-	-	-	-	-	-
Region 20 Hawaii	131	1	4	-	-	-	-	-	-	-