

**Table 8. Irrigation Wells Used on Farms: 2018**

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

Geographic area	Wells used									
	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 .....	119,235	462,788	41,717	167,946	15,901,044	246,819,352	86,900	342,643	25,524,194	701,583,207
Alabama .....	625	1,021	64	150	18,926	150,720	449	771	45,375	5,403,919
Alaska .....	232	292	10	13	(D)	(D)	122	174	606	1,157,138
Arizona .....	1,195	3,932	519	2,404	215,512	5,232,200	832	2,391	245,566	7,029,940
Arkansas .....	2,814	41,247	541	3,828	457,204	-	1,486	14,251	1,432,811	644,105
California .....	24,342	67,354	8,627	26,499	2,201,411	116,788,922	18,817	53,289	3,339,468	158,612,107
Colorado .....	2,853	10,306	1,839	8,077	935,656	5,891,175	2,082	8,715	961,878	6,414,095
Connecticut .....	468	1,018	61	94	127	4,554,000	327	860	696	22,493,220
Delaware .....	517	2,747	79	379	27,087	(D)	417	2,385	142,976	1,289,808
Florida .....	7,043	18,646	1,805	6,038	344,300	24,617,277	5,419	13,852	491,389	176,187,179
Georgia .....	3,256	11,198	1,582	7,593	650,828	7,675,299	2,494	9,385	692,899	10,560,901
Hawaii .....	83	87	13	14	2,323	816,960	15	17	2,591	704,966
Idaho .....	3,015	7,371	1,185	3,876	593,923	620,373	1,903	5,053	714,955	2,045,636
Illinois .....	1,548	5,095	249	744	87,514	1,592,200	1,280	4,424	442,848	37,199,635
Indiana .....	1,709	5,056	306	613	49,269	49,000	1,348	4,179	360,370	4,099,115
Iowa .....	826	1,947	69	202	15,159	79,120	629	1,415	109,133	2,398,836
Kansas .....	3,758	18,877	3,421	18,005	2,144,645	3,324,640	3,273	17,625	2,134,256	3,943,920
Kentucky .....	285	549	15	27	899	32,832	221	442	28,540	699,726
Louisiana .....	1,575	10,102	86	462	43,812	680,700	918	4,121	372,608	3,717,058
Maine .....	740	950	30	47	(D)	34,020	376	468	1,381	1,185,566
Maryland .....	776	2,136	107	204	9,474	895,729	557	1,712	68,547	5,679,094
Massachusetts .....	518	790	72	144	(D)	608,760	485	667	2,559	2,319,401
Michigan .....	3,254	9,691	598	2,252	106,382	8,446,720	2,694	7,599	526,412	20,746,734
Minnesota .....	2,079	5,905	813	2,126	219,306	8,466,372	1,671	4,982	429,313	11,911,132
Mississippi .....	1,354	14,684	685	4,505	491,360	262,080	934	9,533	955,677	1,864,320
Missouri .....	2,037	14,641	161	679	85,084	299,300	1,283	7,306	583,632	2,911,700
Montana .....	1,336	1,817	204	269	19,874	186,360	901	988	26,445	986,844
Nebraska .....	11,801	66,940	7,931	38,311	4,095,335	27,000	9,932	56,892	5,995,061	957,620
Nevada .....	771	2,204	467	1,598	199,573	7,903	441	1,561	161,155	(D)
New Hampshire .....	510	655	36	61	154	1,367,400	329	441	520	2,624,822
New Jersey .....	1,233	2,708	291	652	16,341	6,519,114	851	2,205	47,727	34,178,537
New Mexico .....	4,103	9,977	2,072	4,724	207,854	442,314	2,258	7,390	338,460	635,250
New York .....	1,302	1,896	92	114	970	1,475,760	896	1,280	8,721	23,406,911
North Carolina .....	1,228	1,643	67	101	4,131	174,800	723	962	10,454	5,212,206
North Dakota .....	420	2,157	319	1,618	130,849	6,400	411	2,090	169,977	240,712
Ohio .....	892	1,203	164	170	2,690	205,920	631	860	11,345	6,992,013
Oklahoma .....	1,303	5,702	246	1,101	137,831	136,726	912	3,722	321,415	1,119,066
Oregon .....	4,518	8,992	1,137	2,345	180,583	10,549,894	2,943	5,670	277,546	34,806,914
Pennsylvania .....	1,983	2,764	272	449	10,287	3,259,673	1,313	1,944	21,723	26,345,248
Rhode Island .....	192	279	16	16	4	362,790	153	190	797	1,068,416
South Carolina .....	1,144	3,296	251	844	63,948	1,218,000	786	2,499	140,346	3,915,995
South Dakota .....	721	1,952	141	245	18,493	(D)	467	1,381	142,301	248,400
Tennessee .....	753	1,799	110	246	30,856	147,000	547	1,368	123,174	1,455,816
Texas .....	8,975	72,939	2,767	20,302	1,432,393	17,714,946	6,532	62,604	2,618,735	33,696,646
Utah .....	1,500	3,005	278	527	66,863	(D)	730	1,630	149,003	(D)
Vermont .....	329	419	36	36	170	65,520	216	297	624	1,521,269
Virginia .....	786	1,182	65	138	2,174	1,916,104	481	776	6,147	9,142,402
Washington .....	4,003	6,881	1,021	2,504	265,103	3,517,620	2,641	4,990	365,932	10,532,930
West Virginia .....	179	222	24	49	(D)	175,440	85	113	104	426,520
Wisconsin .....	1,733	5,166	448	1,779	205,047	2,692,332	1,242	4,163	389,075	8,436,100
Wyoming .....	618	1,348	325	772	101,754	143,821	447	1,011	110,921	197,748
<b>Water Resources Regions</b>										
Region 01 New England .....	2,606	3,942	248	395	7,952	6,979,650	1,800	2,821	6,508	30,549,645
Region 02 Mid-Atlantic .....	5,545	12,087	842	1,872	66,334	13,861,884	3,813	9,377	291,705	93,903,456
Region 03 South Atlantic-Gulf .....	13,416	36,214	3,812	14,765	1,076,063	34,217,680	9,968	27,854	1,375,371	202,885,077
Region 04 Great Lakes .....	5,307	13,492	894	2,917	163,678	11,157,940	4,165	10,528	700,500	29,963,762
Region 05 Ohio .....	2,480	5,065	380	694	61,640	379,228	1,788	3,882	271,261	13,606,982
Region 06 Tennessee .....	598	752	2	(D)	(D)	-	472	564	15,244	4,549,773
Region 07 Upper Mississippi .....	5,624	16,191	1,369	3,932	411,010	10,212,604	4,329	13,443	1,204,469	53,020,988
Region 08 Lower Mississippi .....	6,182	72,908	1,423	9,408	1,067,032	827,700	3,582	32,754	3,197,492	4,332,541
Region 09 Souris-Red-Rainy .....	358	2,177	244	1,422	117,484	96,000	299	1,921	153,267	(D)
Region 10 Missouri .....	18,367	86,798	11,355	50,912	5,487,822	7,390,443	14,873	73,376	7,723,673	10,949,687
Region 11 Arkansas-White-Red .....	6,652	44,752	3,728	23,772	2,745,637	554,374	5,310	34,701	3,339,043	2,946,746
Region 12 Texas-Gulf .....	7,403	58,207	1,795	12,271	638,179	12,487,746	5,340	50,024	1,680,899	28,279,934
Region 13 Rio Grande .....	3,857	8,601	2,128	5,429	297,267	8,277,274	1,906	5,707	274,429	8,659,710
Region 14 Upper Colorado .....	430	617	95	(D)	(D)	145,045	184	207	8,878	165,040
Region 15 Lower Colorado .....	1,476	4,370	570	2,582	243,364	5,232,200	1,042	2,744	275,920	7,029,940
Region 16 Great Basin .....	2,185	5,182	750	2,203	289,757	(D)	1,165	3,357	353,446	(D)
Region 17 Pacific Northwest .....	11,923	23,506	3,421	8,713	1,013,057	14,868,887	7,840	15,800	1,305,286	47,897,344
Region 18 California .....	24,511	67,548	8,638	26,491	2,201,994	116,788,922	18,887	53,392	3,343,606	158,612,107
Region 19 Alaska .....	232	292	10	13	(D)	(D)	122	174	606	1,157,138
Region 20 Hawaii .....	83	87	13	14	2,323	816,960	15	17	2,591	704,966

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**Table 8. Irrigation Wells Used on Farms: 2018 (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 .....	63,189	17,837	9,423	5,554	4,232	3,181	5,212	4,585	2,076	3,946
Alabama .....	488	71	21	9	5	3	22	5	1	-
Alaska .....	195	16	19	2	-	-	-	-	-	-
Arizona .....	588	354	66	58	16	32	29	14	8	30
Arkansas .....	432	221	151	143	124	142	289	424	207	681
California .....	14,221	3,570	2,287	1,091	707	537	931	467	204	327
Colorado .....	1,286	626	173	142	159	88	188	82	40	69
Connecticut .....	254	62	107	28	-	2	-	15	-	-
Delaware .....	123	79	58	26	79	24	55	38	12	23
Florida .....	3,998	1,381	566	427	152	119	169	76	31	124
Georgia .....	1,655	413	369	276	152	27	67	187	46	64
Hawaii .....	80	2	1	-	-	-	-	-	-	-
Idaho .....	2,042	399	184	87	47	67	43	85	30	31
Illinois .....	701	326	157	59	66	29	114	47	28	21
Indiana .....	902	279	84	72	154	53	79	38	36	12
Iowa .....	543	50	86	32	40	25	33	6	8	3
Kansas .....	1,148	530	424	323	282	254	344	200	115	138
Kentucky .....	207	41	6	18	-	2	3	4	2	2
Louisiana .....	456	225	117	170	89	32	197	109	45	135
Maine .....	607	85	40	3	1	3	-	-	1	-
Maryland .....	458	91	72	32	9	13	48	39	10	4
Massachusetts .....	323	130	53	12	-	-	-	-	-	-
Michigan .....	1,804	548	275	216	86	94	63	70	24	74
Minnesota .....	1,038	512	156	49	109	63	26	89	11	26
Mississippi .....	280	153	122	90	63	87	102	118	77	262
Missouri .....	990	196	81	82	60	52	86	133	162	195
Montana .....	1,060	135	94	42	1	-	4	-	-	-
Nebraska .....	3,012	1,887	1,238	902	730	645	1,239	1,238	390	520
Nevada .....	402	141	73	40	46	11	19	20	15	4
New Hampshire .....	389	114	-	5	-	-	2	-	-	-
New Jersey .....	816	114	140	17	50	39	22	26	6	3
New Mexico .....	2,984	416	230	78	43	75	75	105	39	58
New York .....	937	241	74	30	8	6	1	5	-	-
North Carolina .....	1,033	131	18	17	10	2	9	5	2	1
North Dakota .....	161	11	62	26	81	-	5	46	23	5
Ohio .....	725	130	16	7	3	1	3	2	5	-
Oklahoma .....	653	176	105	78	34	63	44	56	31	63
Oregon .....	3,082	717	282	120	103	36	74	37	21	46
Pennsylvania .....	1,422	475	31	28	14	2	5	6	-	-
Rhode Island .....	127	55	4	-	6	-	-	-	-	-
South Carolina .....	709	143	82	42	15	52	36	20	32	13
South Dakota .....	235	202	133	38	73	5	18	12	5	-
Tennessee .....	430	150	63	2	35	30	17	19	3	4
Texas .....	3,600	1,110	559	398	444	305	590	648	370	951
Utah .....	1,051	217	39	59	4	71	33	15	5	6
Vermont .....	272	28	27	-	2	-	-	-	-	-
Virginia .....	614	80	33	11	34	10	3	1	-	-
Washington .....	3,089	366	217	119	33	39	73	54	2	11
West Virginia .....	149	23	1	6	-	-	-	-	-	-
Wisconsin .....	1,123	275	106	22	43	31	49	22	23	39
Wyoming .....	295	140	121	20	20	10	3	2	6	1
<b>Water Resources Regions</b>										
Region 01 New England .....	1,838	458	230	48	9	5	2	15	1	-
Region 02 Mid-Atlantic .....	3,458	1,015	376	135	161	94	133	115	28	30
Region 03 South Atlantic-Gulf .....	7,898	2,140	1,103	794	367	203	306	292	111	202
Region 04 Great Lakes .....	3,300	842	353	271	108	122	100	85	49	77
Region 05 Ohio .....	1,777	296	86	52	100	46	73	21	24	5
Region 06 Tennessee .....	501	79	8	3	2	-	3	1	1	-
Region 07 Upper Mississippi .....	3,132	1,129	386	140	261	104	176	141	65	90
Region 08 Lower Mississippi .....	1,158	623	416	444	284	313	642	717	398	1,187
Region 09 Souris-Red-Rainy .....	109	38	37	18	52	14	4	52	30	4
Region 10 Missouri .....	6,069	3,166	1,989	1,159	1,159	842	1,519	1,390	484	590
Region 11 Arkansas-White-Red .....	2,260	865	532	476	412	302	498	461	365	481
Region 12 Texas-Gulf .....	3,053	885	521	392	273	281	477	523	216	782
Region 13 Rio Grande .....	2,853	429	207	4	88	62	77	75	19	43
Region 14 Upper Colorado .....	341	54	14	-	-	21	-	-	-	-
Region 15 Lower Colorado .....	840	354	88	58	16	32	29	19	8	32
Region 16 Great Basin .....	1,322	378	123	132	50	61	47	42	20	10
Region 17 Pacific Northwest .....	8,681	1,448	630	335	180	142	190	176	53	88
Region 18 California .....	14,324	3,620	2,304	1,091	710	537	936	460	204	325
Region 19 Alaska .....	195	16	19	2	-	-	-	-	-	-
Region 20 Hawaii .....	80	2	1	-	-	-	-	-	-	-