

**Table 15. Irrigation Wells Used on Farms: 2008 and 2003**

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

Geographic area	All wells used		Flowing or artesian wells used		Change in average depth to water <sup>1</sup>			
	Farms	Number	Farms	Number	Increased		Decreased	
					Farms	Number of wells	Farms	Number of wells
United States .....	97,690	407,913	692	1,347	13,477	71,341	12,168	77,810
2008 ..								
2003 ..	100,717	374,806	1,868	3,796	12,936	64,481	12,141	72,055
<b>2008 DATA</b>								
Alabama .....	290	457	-	-	4	4	15	29
Alaska .....	19	25	3	3	4	5	3	3
Arizona .....	844	3,193	3	3	96	407	195	574
Arkansas .....	3,646	38,729	50	178	606	6,509	632	8,412
California .....	23,998	61,192	11	30	5,616	18,562	2,889	9,865
Colorado .....	2,526	10,916	28	123	562	2,558	738	3,096
Connecticut .....	60	65	-	-	-	-	-	-
Delaware .....	276	1,100	5	7	2	(D)	4	12
Florida .....	4,436	12,698	231	368	226	746	365	1,068
Georgia .....	2,509	8,052	15	30	68	353	80	426
Hawaii .....	90	124	4	4	11	11	-	-
Idaho .....	2,262	6,982	19	68	630	1,841	169	593
Illinois .....	1,038	3,857	1	(D)	22	129	45	148
Indiana .....	912	2,746	-	-	2	(D)	7	30
Iowa .....	451	1,240	-	-	11	77	18	53
Kansas .....	4,092	19,301	-	-	632	4,831	1,060	5,747
Kentucky .....	214	313	-	-	-	-	-	-
Louisiana .....	1,327	6,414	-	-	42	148	69	344
Maine .....	93	117	-	-	-	-	-	-
Maryland .....	294	827	-	-	2	(D)	1	(D)
Massachusetts .....	141	203	-	-	-	-	-	-
Michigan .....	1,423	4,097	24	30	44	195	8	29
Minnesota .....	1,379	4,312	5	11	35	138	15	155
Mississippi .....	1,084	11,394	4	4	105	1,351	91	939
Missouri .....	1,415	12,869	-	-	58	751	33	305
Montana .....	187	417	8	16	-	-	4	24
Nebraska .....	14,609	77,347	25	25	1,391	9,214	1,761	10,135
Nevada .....	732	1,843	2	(D)	135	466	116	370
New Hampshire .....	40	46	3	3	-	-	-	-
New Jersey .....	439	974	29	50	8	31	23	89
New Mexico .....	3,455	8,315	15	83	244	1,183	627	2,564
New York .....	293	392	-	-	-	-	-	-
North Carolina .....	381	920	-	-	85	170	-	-
North Dakota .....	358	1,621	-	-	15	88	24	85
Ohio .....	171	215	-	-	-	-	-	-
Oklahoma .....	1,160	3,727	2	(D)	108	532	123	579
Oregon .....	4,258	7,184	27	98	270	515	37	230
Pennsylvania .....	562	786	-	-	1	(D)	46	46
Rhode Island .....	32	36	-	-	-	-	-	-
South Carolina .....	472	1,135	3	3	21	57	22	56
South Dakota .....	646	1,755	57	60	26	54	21	80
Tennessee .....	243	557	2	(D)	21	55	17	26
Texas .....	8,982	77,389	-	-	1,586	18,679	2,361	30,390
Utah .....	861	1,786	2	(D)	138	376	248	463
Vermont .....	29	36	-	-	-	-	1	(D)
Virginia .....	240	276	-	-	-	-	9	9
Washington .....	3,218	5,244	111	119	602	949	103	277
West Virginia .....	42	52	-	-	2	(D)	5	5
Wisconsin .....	853	3,192	3	8	33	202	43	277
Wyoming .....	608	1,445	-	-	13	128	140	268
<b>Water Resources Regions</b>								
Region 01 New England .....	374	475	3	3	-	-	-	-
Region 02 Mid-Atlantic .....	1,914	4,150	34	57	15	49	61	142
Region 03 South Atlantic-Gulf .....	8,169	23,325	249	401	404	1,330	476	1,562
Region 04 Great Lakes .....	2,033	5,503	25	31	46	201	26	63
Region 05 Ohio .....	971	2,415	1	(D)	14	40	54	54
Region 06 Tennessee .....	169	244	-	-	11	21	16	37
Region 07 Upper Mississippi .....	3,246	11,154	7	18	91	500	82	584
Region 08 Lower Mississippi .....	6,664	63,310	56	184	705	7,481	777	9,299
Region 09 Souris-Red-Rainy .....	323	1,388	-	-	9	72	11	38
Region 10 Missouri .....	19,538	94,671	90	101	1,939	11,938	2,706	14,021
Region 11 Arkansas-White-Red .....	6,885	43,388	4	10	999	8,195	1,723	14,078
Region 12 Texas-Gulf .....	7,277	60,627	-	-	1,377	16,594	1,812	23,395
Region 13 Rio Grande .....	3,409	9,117	41	202	271	1,694	663	2,148
Region 14 Upper Colorado .....	419	615	-	-	94	94	84	84
Region 15 Lower Colorado .....	1,016	3,530	3	3	96	407	196	588
Region 16 Great Basin .....	1,839	3,913	12	(D)	296	904	343	810
Region 17 Pacific Northwest .....	9,268	18,612	149	229	1,460	3,215	246	1,039
Region 18 California .....	24,067	61,327	11	30	5,635	18,590	2,889	9,865
Region 19 Alaska .....	19	25	3	3	4	5	3	3
Region 20 Hawaii .....	90	124	4	4	11	11	-	-

See footnote(s) at end of table.

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**Table 15. Irrigation Wells Used on Farms: 2008 and 2003 - Con.**

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

Geographic area	All pumped wells <sup>2</sup>								
	Farms	Number	Average well depth (feet)	Average depth to water <sup>3</sup> (feet)	Average depth to bowls <sup>4</sup> (feet)	Average pumping capacity (gpm)	Average operating pressure (psi)	Average engine size (hp)	Average hours of operation (hours)
United States .....	97,296	406,566	243	100	166	779	35	74	1,065
2008 ..	100,717	371,010	238	97	158	826	37	78	1,049
<b>2008 DATA</b>									
Alabama .....	290	457	180	82	118	242	58	30	524
Alaska .....	16	22	94	49	70	585	48	37	235
Arizona .....	844	3,190	521	197	316	1,090	24	110	2,003
Arkansas .....	3,646	38,551	125	47	95	1,293	33	70	639
California .....	23,998	61,162	380	123	236	744	33	67	1,220
Colorado .....	2,523	10,793	200	105	150	835	39	67	1,519
Connecticut .....	60	65	237	77	152	80	91	32	2,383
Delaware .....	272	1,093	106	19	69	656	43	69	391
Florida .....	4,216	12,330	493	55	122	1,234	41	118	409
Georgia .....	2,509	8,022	338	124	192	721	51	101	636
Hawaii .....	86	120	192	128	159	2,008	53	187	1,704
Idaho .....	2,254	6,914	296	175	229	1,170	58	153	1,968
Illinois .....	1,038	(D)	117	28	66	824	40	69	316
Indiana .....	912	2,746	85	26	56	738	51	70	364
Iowa .....	451	1,240	99	20	55	780	39	61	283
Kansas .....	4,092	19,301	226	121	190	652	28	137	1,321
Kentucky .....	214	313	148	82	109	429	49	39	274
Louisiana .....	1,327	6,414	133	42	83	1,684	15	85	543
Maine .....	93	117	292	60	104	261	55	46	143
Maryland .....	294	827	124	34	80	578	40	61	871
Massachusetts .....	141	203	320	169	270	880	90	173	98
Michigan .....	1,423	4,067	117	32	87	543	67	59	442
Minnesota .....	1,379	4,301	122	34	85	641	45	52	588
Mississippi .....	1,084	11,390	107	43	68	1,855	32	66	533
Missouri .....	1,415	12,869	116	19	57	1,304	18	65	364
Montana .....	183	401	214	71	163	911	57	92	1,144
Nebraska .....	14,609	77,322	187	72	130	781	39	76	621
Nevada .....	732	(D)	367	89	189	1,185	41	113	2,574
New Hampshire .....	37	43	272	136	214	226	58	29	83
New Jersey .....	410	924	120	20	58	420	67	54	578
New Mexico .....	3,455	8,232	261	115	187	692	28	58	1,695
New York .....	293	392	86	42	75	114	48	34	223
North Carolina .....	381	920	203	52	137	121	35	25	570
North Dakota .....	358	1,621	85	32	63	641	44	47	552
Ohio .....	171	215	135	46	109	169	55	30	272
Oklahoma .....	1,160	(D)	237	119	202	505	33	128	1,286
Oregon .....	4,258	7,086	236	48	110	543	57	63	785
Pennsylvania .....	562	786	214	82	175	123	33	16	387
Rhode Island .....	32	36	266	188	246	17	56	44	685
South Carolina .....	470	1,132	293	52	138	403	47	35	759
South Dakota .....	643	1,695	107	38	74	688	44	55	524
Tennessee .....	243	(D)	199	75	124	769	45	58	491
Texas .....	8,982	77,389	284	179	245	252	27	53	1,808
Utah .....	861	(D)	355	99	186	997	43	70	1,852
Vermont .....	29	36	248	78	149	265	63	43	718
Virginia .....	240	276	306	157	209	110	77	15	582
Washington .....	3,107	5,125	277	107	165	510	64	83	1,746
West Virginia .....	42	52	196	138	176	17	51	2	723
Wisconsin .....	853	3,184	147	40	90	802	61	80	606
Wyoming .....	608	1,445	144	63	102	635	42	44	1,811
<b>Water Resources Regions</b>									
Region 01 New England .....	371	472	292	125	205	477	76	97	467
Region 02 Mid-Atlantic .....	1,881	4,093	146	44	98	429	49	50	549
Region 03 South Atlantic-Gulf .....	7,947	22,924	410	79	148	946	45	102	512
Region 04 Great Lakes .....	2,033	5,472	120	35	86	580	65	61	472
Region 05 Ohio .....	971	(D)	89	30	61	689	45	64	302
Region 06 Tennessee .....	169	244	220	104	160	210	60	23	518
Region 07 Upper Mississippi .....	3,246	11,136	124	32	77	747	46	65	475
Region 08 Lower Mississippi .....	6,664	63,126	121	42	83	1,430	29	70	550
Region 09 Souris-Red-Rainy .....	323	1,388	85	27	62	640	44	43	515
Region 10 Missouri .....	19,531	94,570	184	75	130	766	39	78	729
Region 11 Arkansas-White-Red .....	6,885	43,378	289	174	255	646	26	120	1,579
Region 12 Texas-Gulf .....	7,277	60,627	250	151	208	202	28	32	1,763
Region 13 Rio Grande .....	3,406	8,915	248	97	161	893	32	62	1,416
Region 14 Upper Colorado .....	419	615	249	108	160	936	41	42	1,201
Region 15 Lower Colorado .....	1,016	3,527	494	186	299	1,079	25	107	2,009
Region 16 Great Basin .....	1,831	(D)	355	104	197	1,008	45	93	2,177
Region 17 Pacific Northwest .....	9,157	18,383	267	108	165	759	59	102	1,448
Region 18 California .....	24,067	61,297	380	123	236	745	33	67	1,222
Region 19 Alaska .....	16	22	94	49	70	585	48	37	235
Region 20 Hawaii .....	86	120	192	128	159	2,008	53	187	1,704

<sup>1</sup> Increases and decreases in depth are reported over a five year period.

<sup>2</sup> Data do not include flowing or artesian wells.

<sup>3</sup> Depth at the start of the irrigation season.

<sup>4</sup> Depth to bowls or impellers.