

Table 25. Methods Used in Deciding When to Irrigate: 2023

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

Geographic area	Farms reporting any method	Farms reporting method used ¹									
		Condition of crop	Feel of soil	Soil moisture sensing device	Plant moisture sensing device	Commercial or government scheduling service	Reports on daily crop-water evapo-transpiration (ET)	Scheduled by water supplier	Personal calendar schedule	Computer simulation models	When neighbors begin to irrigate
United States	212,714	164,779	85,093	27,831	5,282	17,533	15,484	31,192	44,349	1,627	10,228
Alabama	1,230	1,075	485	166	23	14	24	5	189	-	23
Alaska	359	295	223	45	3	-	-	-	79	-	-
Arizona	3,086	2,292	977	180	36	379	199	674	801	37	129
Arkansas	2,857	2,567	1,261	541	66	265	109	20	546	14	172
California	38,033	28,724	14,821	9,429	3,322	4,736	5,944	4,980	10,578	488	1,122
Colorado	12,865	8,226	3,826	539	80	618	319	5,174	2,985	39	1,218
Connecticut	622	564	387	48	2	17	31	-	74	2	-
Delaware	416	389	226	33	-	14	46	-	27	6	36
Florida	7,303	5,808	3,185	1,152	72	353	468	66	1,657	38	38
Georgia	4,234	3,378	1,557	676	69	448	310	56	952	65	136
Hawaii	1,850	1,617	747	89	20	67	18	43	533	14	17
Idaho	11,952	8,158	4,502	764	103	868	433	3,453	2,780	21	1,123
Illinois	2,141	1,948	1,014	272	32	77	156	-	255	46	98
Indiana	2,298	2,064	1,140	291	33	48	207	-	335	14	217
Iowa	1,176	1,114	492	140	22	39	179	-	111	17	28
Kansas	4,188	3,579	1,668	506	82	675	459	63	203	21	133
Kentucky	1,321	1,125	677	75	7	20	34	10	267	-	-
Louisiana	1,859	1,693	578	102	29	59	96	12	249	-	54
Maine	559	459	431	80	12	6	3	2	118	5	-
Maryland	916	854	480	101	7	20	26	6	90	-	22
Massachusetts	1,311	1,073	799	229	17	24	49	-	196	1	43
Michigan	4,602	4,173	2,784	464	51	293	550	26	838	120	133
Minnesota	2,446	2,246	1,436	378	21	209	279	16	406	13	94
Mississippi	1,671	1,394	646	494	25	109	66	10	246	4	52
Missouri	2,337	2,131	1,111	294	21	127	89	29	429	4	136
Montana	7,013	5,375	2,529	465	33	280	203	2,122	1,392	1	586
Nebraska	13,128	10,961	6,258	3,335	370	2,261	2,807	811	1,096	228	689
Nevada	1,604	1,164	491	60	2	173	51	249	438	4	129
New Hampshire	369	293	228	32	1	15	5	-	64	1	-
New Jersey	1,193	1,129	661	166	26	11	17	-	194	24	-
New Mexico	7,718	4,614	1,544	294	34	1,291	47	2,455	2,048	97	786
New York	2,439	2,163	1,445	184	-	62	78	5	321	66	-
North Carolina	2,907	2,444	1,259	156	1	132	40	55	447	2	10
North Dakota	601	524	281	130	8	16	46	31	90	10	35
Ohio	1,931	1,756	1,017	132	8	21	34	4	323	4	30
Oklahoma	1,734	1,581	735	170	14	42	163	11	250	-	129
Oregon	12,692	9,179	4,369	1,113	138	694	359	2,546	2,607	20	688
Pennsylvania	2,362	2,095	1,341	130	-	79	30	-	419	7	41
Rhode Island	225	192	123	19	2	12	8	9	46	2	-
South Carolina	1,572	1,275	815	176	-	31	39	-	420	11	35
South Dakota	1,352	1,184	650	164	-	71	107	72	269	-	182
Tennessee	1,388	1,223	565	192	6	54	19	-	265	-	8
Texas	10,896	9,172	3,926	1,133	182	503	405	649	2,056	85	223
Utah	10,432	6,000	2,365	214	23	1,498	55	4,773	2,017	6	702
Vermont	486	419	327	41	-	4	4	5	103	-	-
Virginia	1,350	1,232	716	101	1	25	24	-	182	4	-
Washington	9,988	7,918	4,512	1,556	248	481	548	1,327	2,915	18	467
West Virginia	505	398	324	49	-	8	-	-	137	1	-
Wisconsin	2,714	2,305	1,665	464	30	119	184	-	371	43	22
Wyoming	4,483	3,237	1,494	267	-	165	117	1,423	935	24	442
Water Resource Regions											
Region 01 New England	3,221	2,700	2,078	435	34	75	97	12	554	11	43
Region 02 Mid-Atlantic	6,918	6,358	3,935	626	34	165	168	6	978	68	99
Region 03 South Atlantic-Gulf	17,369	13,993	7,264	2,287	176	970	870	187	3,676	116	242
Region 04 Great Lakes	7,846	7,013	4,552	702	58	359	713	39	1,249	188	207
Region 05 Ohio	5,317	4,545	2,702	391	25	67	174	3	1,012	18	134
Region 06 Tennessee	1,279	1,231	653	157	-	39	24	5	247	-	-
Region 07 Upper Mississippi	7,863	7,069	4,245	1,210	120	386	679	15	1,099	91	281
Region 08 Lower Mississippi	6,170	5,589	2,420	1,291	119	514	296	39	1,029	13	361
Region 09 Souris-Red-Rainy	502	462	272	66	3	52	77	18	83	4	10
Region 10 Missouri	29,755	24,280	12,758	4,854	480	3,016	3,682	4,953	4,117	293	1,854
Region 11 Arkansas-White-Red	9,195	7,354	3,058	908	67	843	651	1,128	1,139	45	345
Region 12 Texas-Gulf	8,603	7,411	3,351	832	178	330	235	373	1,726	41	204
Region 13 Rio Grande	6,738	3,333	1,686	304	44	1,373	94	2,667	1,965	63	843
Region 14 Upper Colorado	10,851	7,077	2,828	183	23	663	66	3,703	2,392	69	1,106
Region 15 Lower Colorado	3,632	2,728	1,066	218	36	432	209	730	934	37	154
Region 16 Great Basin	10,533	6,143	2,479	338	24	1,346	128	4,361	2,271	8	710
Region 17 Pacific Northwest	36,245	26,559	13,769	3,429	511	2,110	1,338	7,767	8,595	55	2,472
Region 18 California	38,468	29,022	15,007	9,466	3,327	4,726	5,965	5,143	10,671	493	1,146
Region 19 Alaska	359	295	223	45	3	-	-	-	79	-	-
Region 20 Hawaii	1,850	1,617	747	89	20	67	18	43	533	14	17

¹ Respondents could choose more than one method.