

**Table 18. Expenses for Irrigation Water from Off-Farm Suppliers: 2023**

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

Geographic area	Farms irrigating with off-farm water	Farms reporting cost for off-farm water									
		Farms reporting cost for off-farm water	Total cost (\$1,000)	Average cost per acre in the open <sup>1</sup> (dollars)	Average cost per acre-foot <sup>1</sup> (dollars)	Average cost per 10,000 sq ft under protection <sup>2</sup> (dollars)	Farms by average cost per acre-foot in the open <sup>1</sup>				
							\$1 to \$9	\$10 to \$19	\$20 to \$29	\$30 to \$59	\$60 or more
United States .....	86,375	60,161	1,138,030	123.80	54.22	1,047	5,372	6,663	5,465	10,450	26,390
Alabama .....	202	162	104	71.15	55.52	(D)	-	23	-	-	87
Alaska .....	89	85	23	366.67	550.00	366	-	-	-	-	4
Arizona .....	1,647	1,079	58,697	155.38	37.57	967	84	92	182	344	327
Arkansas .....	198	150	549	47.03	27.24	2,698	-	2	-	9	86
California .....	18,754	16,675	767,961	204.20	71.98	1,294	1,059	1,282	1,013	2,447	9,934
Colorado .....	9,251	5,224	23,177	39.36	24.12	1,279	570	841	706	1,247	1,611
Connecticut .....	89	80	660	501.08	1,204.09	(D)	-	-	-	-	34
Delaware .....	8	6	24	-	-	4,388	-	-	-	-	-
Florida .....	279	107	226	47.60	42.15	4,638	-	-	-	11	30
Georgia .....	227	173	180	299.77	229.64	(D)	-	-	-	9	109
Hawaii .....	1,613	1,556	9,478	316.02	216.27	869	3	15	-	18	1,079
Idaho .....	8,278	5,456	37,942	41.14	23.35	4,336	962	768	736	1,101	1,831
Illinois .....	193	127	1,009	383.62	383.62	1,607	-	-	-	-	48
Indiana .....	280	155	202	123.82	324.74	766	-	10	-	-	45
Iowa .....	179	137	335	1,229.00	1,229.00	259	-	-	-	-	30
Kansas .....	412	338	909	26.98	35.65	1,261	20	20	-	41	110
Kentucky .....	619	566	718	222.47	177.22	1,139	11	-	18	28	171
Louisiana .....	249	158	293	793.49	882.55	1,540	-	-	-	-	69
Maine .....	58	19	118	403.33	605.00	(D)	-	-	-	6	6
Maryland .....	82	48	44	329.09	905.00	419	-	-	-	-	8
Massachusetts .....	254	165	489	300.23	353.21	2,712	-	-	-	-	93
Michigan .....	497	280	4,341	538.01	2,301.05	863	-	-	-	-	50
Minnesota .....	111	98	12,210	1,482.52	936.69	579	-	-	-	-	43
Mississippi .....	194	157	140	123.37	173.45	2,389	-	-	2	17	85
Missouri .....	353	202	439	403.24	381.68	1,220	-	-	-	11	73
Montana .....	5,208	2,417	11,667	22.27	17.90	709	418	502	169	582	717
Nebraska .....	1,694	1,520	26,622	69.58	72.03	1,712	4	117	224	500	624
Nevada .....	870	531	5,947	26.43	8.57	878	126	228	95	-	63
New Hampshire .....	48	33	42	87.50	583.33	2,033	-	-	-	-	3
New Jersey .....	153	153	1,468	132.67	132.67	2,970	-	-	-	-	65
New Mexico .....	5,173	2,885	5,758	44.18	24.91	968	405	480	311	509	1,099
New York .....	650	527	2,399	308.52	581.13	4,821	-	18	-	18	195
North Carolina .....	218	193	704	404.04	277.98	(D)	-	-	-	-	153
North Dakota .....	200	129	1,485	44.66	58.74	796	4	20	10	23	44
Ohio .....	465	374	1,934	45.51	232.46	443	14	15	-	-	121
Oklahoma .....	233	180	260	144.17	440.79	470	-	-	-	-	115
Oregon .....	6,222	4,170	23,585	66.07	37.67	1,338	266	444	276	771	2,228
Pennsylvania .....	227	141	570	146.03	170.30	1,923	-	-	-	6	41
Rhode Island .....	54	32	152	1,655.84	1,902.99	1,799	-	-	-	-	12
South Carolina .....	239	167	410	457.38	2,315.31	2,659	-	-	-	-	97
South Dakota .....	429	353	3,359	56.34	65.28	581	45	29	81	79	80
Tennessee .....	298	169	325	278.57	198.31	1,232	-	-	-	-	42
Texas .....	2,010	1,739	33,819	116.61	91.47	1,628	80	264	182	275	726
Utah .....	8,594	5,271	21,257	52.54	24.24	921	723	890	872	1,182	1,488
Vermont .....	55	38	73	-	-	1,344	-	-	-	-	-
Virginia .....	162	97	423	1,256.00	1,256.00	4,105	-	-	-	-	32
Washington .....	5,416	3,770	65,354	113.01	49.89	747	94	135	215	905	2,199
West Virginia .....	87	81	157.09	157.09	157.09	334	-	-	-	6	19
Wisconsin .....	162	116	551	37.78	57.69	1,721	-	-	-	21	21
Wyoming .....	3,392	1,872	9,499	30.30	18.32	1,490	484	468	373	284	243
<b>Water Resource Regions</b>											
Region 01 New England .....	507	329	1,461	639.42	1,008.81	1,378	-	-	-	6	148
Region 02 Mid-Atlantic .....	717	521	2,969	233.10	413.81	3,958	-	-	-	-	140
Region 03 South Atlantic-Gulf .....	1,144	786	1,922	177.69	158.66	1,422	-	23	2	28	423
Region 04 Great Lakes .....	1,332	932	8,020	236.45	700.71	688	-	18	-	18	287
Region 05 Ohio .....	1,350	1,104	1,526	152.22	176.15	1,274	25	25	18	40	354
Region 06 Tennessee .....	375	246	257	228.10	330.34	1,233	-	-	-	9	136
Region 07 Upper Mississippi .....	573	389	1,721	51.53	76.82	1,271	-	-	-	32	94
Region 08 Lower Mississippi .....	365	226	574	50.70	27.59	1,175	-	2	-	-	88
Region 09 Souris-Red-Rainy .....	60	32	12,016	1,427.02	908.69	1,024	-	5	-	-	19
Region 10 Missouri .....	11,372	7,090	61,311	41.98	32.82	727	883	1,393	959	1,559	1,835
Region 11 Arkansas-White-Red .....	2,254	1,367	4,747	38.04	19.28	879	124	118	110	146	633
Region 12 Texas-Gulf .....	1,492	1,282	29,297	124.78	99.75	2,258	8	171	110	256	580
Region 13 Rio Grande .....	3,895	2,625	9,995	52.32	30.79	646	375	385	292	468	1,007
Region 14 Upper Colorado .....	9,116	4,721	12,433	29.73	15.81	978	719	738	731	1,072	1,323
Region 15 Lower Colorado .....	1,915	1,256	67,587	154.31	36.11	965	106	94	185	375	425
Region 16 Great Basin .....	8,117	4,924	23,207	47.00	19.30	923	737	965	770	976	1,381
Region 17 Pacific Northwest .....	21,064	13,777	127,342	67.24	35.77	1,103	1,328	1,354	1,263	2,959	6,395
Region 18 California .....	19,025	16,913	762,141	203.06	72.85	1,294	1,064	1,357	1,025	2,488	10,039
Region 19 Alaska .....	89	85	23	366.67	550.00	366	-	-	-	-	4
Region 20 Hawaii .....	1,613	1,556	9,478	316.02	216.27	869	3	15	-	18	1,079

<sup>1</sup> Average cost per acre and average cost per acre-foot do not include farms with off-farm water costs for irrigating square feet under protection.

<sup>2</sup> Average cost per 10,000 square feet does not include farms with off-farm water costs for irrigating acreage in the open.