

Table 15. Expenses for Irrigation Water from Off-Farm Suppliers: 2018

[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 ¹ (dollars)	Average cost per acre-foot ¹ (dollars)	Average cost per 10,000 sq. ft. under protection ² (dollars)	Farms by average cost per acre-foot ¹				
							\$1 to \$9	\$10 to \$19	\$20 to \$29	\$30 to \$59	\$60 or more
United States	102,010	74,012	1,103,195	96.74	42.37	742	9,185	10,402	8,200	12,906	28,247
Alabama	225	123	599	149.50	495.90	402	-	-	-	-	41
Alaska	34	34	15	154.00	165.00	738	-	-	-	-	10
Arizona	1,963	1,546	84,518	147.78	30.18	640	179	294	162	386	457
Arkansas	196	145	530	39.05	49.62	477	-	4	7	17	63
California	21,800	20,399	738,156	187.30	67.97	751	810	1,989	2,048	2,570	12,241
Colorado	10,604	7,029	15,804	23.88	14.19	3,576	1,478	1,478	740	1,524	1,648
Connecticut	30	19	319	(D)	(D)	970	-	-	-	-	2
Delaware	10	4	(Z)	-	-	-	-	-	-	-	-
Florida	259	116	1,093	85.23	124.12	621	-	-	-	-	92
Georgia	181	61	105	43.59	43.59	481	3	4	-	-	8
Hawaii	1,596	1,224	6,668	345.54	235.42	351	7	-	2	2	831
Idaho	11,185	7,970	41,858	35.09	16.78	931	1,762	1,929	1,132	1,454	1,572
Illinois	119	51	51	42.31	42.31	1,220	-	-	-	18	4
Indiana	153	63	88	150.00	150.00	161	-	-	-	-	6
Iowa	193	137	404	20.56	62.31	348	-	-	-	-	21
Kansas	444	231	799	34.13	41.55	956	15	-	15	49	57
Kentucky	545	518	2,492	1,234.35	2,186.57	1,047	-	-	-	-	145
Louisiana	145	69	128	169.44	254.17	5,593	-	-	-	-	31
Maine	79	41	193	283.72	2,486.17	(D)	-	-	-	-	29
Maryland	36	26	82	27.66	279.40	2,500	-	-	-	-	6
Massachusetts	198	105	61	623.12	432.72	(D)	-	-	6	-	38
Michigan	244	160	1,241	-	-	573	-	-	-	-	-
Minnesota	125	49	130	1,090.57	836.10	320	-	-	-	2	18
Mississippi	121	108	76	79.88	135.51	956	6	-	-	6	44
Missouri	307	221	412	186.79	257.02	728	-	12	-	7	95
Montana	6,531	3,412	14,196	18.14	14.81	1,843	1,014	773	498	733	355
Nebraska	2,161	1,534	15,070	29.52	32.96	1,086	84	121	191	564	537
Nevada	932	569	4,910	34.11	11.65	1,497	157	201	81	31	80
New Hampshire	119	13	62	(D)	(D)	-	-	-	-	-	1
New Jersey	121	85	77	632.43	632.43	-	-	-	-	-	45
New Mexico	6,430	3,937	9,014	45.81	32.40	(D)	436	477	489	822	1,675
New York	490	348	1,980	160.50	164.95	-	3	23	-	39	140
North Carolina	187	151	150	189.17	756.67	1,090	-	-	-	-	81
North Dakota	248	141	2,712	38.01	50.81	531	-	-	17	17	92
Ohio	328	285	882	250.14	522.74	1,413	-	-	-	-	108
Oklahoma	362	252	2,133	57.40	53.27	1,329	-	1	-	53	113
Oregon	7,444	5,102	22,388	43.15	24.22	613	641	508	434	1,061	2,281
Pennsylvania	312	164	90	266.54	270.41	956	-	21	-	-	40
Rhode Island	31	24	94	349.40	3,625.00	1,822	-	-	-	-	5
South Carolina	200	105	109	265.16	171.07	960	-	-	-	4	70
South Dakota	458	300	2,202	37.74	25.38	2,325	3	63	111	46	51
Tennessee	446	446	1,593	388.61	648.63	2,623	-	-	-	-	145
Texas	2,538	2,146	32,358	62.43	29.83	433	182	191	226	437	878
Utah	10,533	7,075	15,168	26.37	13.48	282	1,398	1,459	1,181	1,463	1,424
Vermont	108	85	41	(D)	(D)	789	-	-	-	-	2
Virginia	111	111	196	130.30	130.30	707	-	-	-	-	33
Washington	6,738	4,722	73,419	89.94	39.05	328	200	232	451	1,348	2,322
West Virginia	159	139	220	740.00	1,850.00	1,132	-	-	-	-	40
Wisconsin	129	73	288	34.90	201.29	909	-	-	-	-	55
Wyoming	4,102	2,344	8,020	15.43	8.64	1,526	807	622	409	249	215
Water Resources Regions											
Region 01 New England	489	228	730	304.73	1,354.36	1,004	-	-	6	-	75
Region 02 Mid-Atlantic	571	334	376	150.62	404.49	1,555	-	-	-	16	126
Region 03 South Atlantic-Gulf	1,129	667	2,188	93.87	134.17	505	9	4	-	10	326
Region 04 Great Lakes	847	603	3,678	162.65	166.05	658	3	44	-	23	142
Region 05 Ohio	1,279	1,120	4,155	1,074.39	1,882.56	1,807	-	-	-	-	341
Region 06 Tennessee	303	257	544	261.69	480.68	1,298	-	-	-	-	109
Region 07 Upper Mississippi	521	332	923	40.71	176.14	473	-	-	-	20	100
Region 08 Lower Mississippi	278	225	692	32.29	42.71	2,573	-	4	5	12	42
Region 09 Souris-Red-Rainy	82	59	25	131.87	209.95	(D)	-	-	-	-	45
Region 10 Missouri	14,009	8,297	44,062	23.68	18.61	1,110	1,754	1,536	1,326	1,883	1,520
Region 11 Arkansas-White-Red	2,288	1,539	5,503	27.96	24.66	895	197	116	141	326	566
Region 12 Texas-Gulf	2,125	1,821	31,287	63.91	30.64	433	153	149	188	417	682
Region 13 Rio Grande	5,496	3,418	8,866	40.23	28.41	(D)	331	429	383	618	1,630
Region 14 Upper Colorado	11,353	7,586	14,889	24.45	12.38	656	1,737	1,782	901	1,318	1,667
Region 15 Lower Colorado	2,341	1,765	91,807	152.20	31.09	640	194	295	192	469	537
Region 16 Great Basin	8,760	5,803	16,816	26.33	12.81	284	1,302	1,197	951	1,185	1,076
Region 17 Pacific Northwest	26,408	18,065	136,053	53.16	25.35	601	2,641	2,845	2,060	4,007	6,036
Region 18 California	22,101	20,635	733,918	184.98	68.09	735	857	2,001	2,045	2,596	12,386
Region 19 Alaska	34	34	15	154.00	165.00	738	-	-	-	-	10
Region 20 Hawaii	1,596	1,224	6,668	345.54	235.42	351	7	-	2	2	831

¹ 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.

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