

ETc Table for Irrigation District Water Balances

Zone 12 Monthly Evapotranspiration

Drip/Micro Irrigation Dry Year

IRRIGATION TRAINING AND RESEARCH CENTER, California Polytechnic State University, San Luis Obispo

Table includes adjustments for bare spots and reduced vigor

	1999 (Dry Year)						
	January inches	February inches	March inches	April inches	May inches	June inches	July inches
Precipitation	2.37	3.87	1.46	1.15	0.11	0.2	0
Grass Reference ETo	0.77	1.24	2.78	5.34	7.14	7.23	7.73
Apple, Pear, Cherry, Plum and Prune	0.64	1.31	1.92	3.25	5.87	6.33	6.7
Apples, Plums, Cherries etc w/covercrop	0.8	1.31	3.03	5.19	7.17	7.92	8.36
Peach, Nectarine and Apricots	0.64	1.31	1.92	3.07	5.41	6.01	6.4
Immature Peaches, Nectarines, etc	0.64	1.32	1.8	2.11	3.02	3.6	3.55
Almonds	0.64	1.31	2.11	3.78	5.8	6.08	6.31
Almonds w/covercrop	0.79	1.31	2.96	5.23	6.88	7.03	7.44
Immature Almonds	0.64	1.33	1.95	2.79	3.45	3.65	3.81
Walnuts	0.63	1.31	2	2.66	5.3	7.25	7.76
Pistachio	0.64	1.31	1.69	1.99	2.34	5.35	7.51
Pistachio w/ covercrop	0.79	1.31	2.95	4.1	4.75	6.44	8.02
Immature Pistachio	0.64	1.32	1.68	1.57	1.32	3.21	4.49
Misc. Deciduous	0.64	1.31	1.92	3.17	5.58	5.97	6.43
Cotton	0.66	1.36	1.67	1.78	1.35	4.16	7.55
Beans	0.66	1.36	2.24	1.85	2.35	6.3	6.8
Misc. field crops	0.66	1.36	2.24	1.85	2.35	6.3	6.8
Small Vegetables	0.8	1.36	2.72	5.11	1.3	0.18	0
Tomatoes and Peppers	0.66	1.36	2.18	1.72	3.45	6.98	6.48
Potatoes, Sugar beets, Turnip etc..	0.78	1.36	2.44	5.2	7.03	7.08	6.4
Melons, Squash, and Cucumbers	0.66	1.36	1.67	1.15	0.82	0.92	3.51
Onions and Garlic	0.7	1.36	2.79	4.48	4.5	1.12	0
Strawberries	0.66	1.36	2.24	1.85	2.35	6.3	6.8
Flowers, Nursery and Christmas Tree	0.64	1.31	1.92	3.17	5.58	5.97	6.43
Citrus (no ground cover)	0.8	1.31	2.99	4.39	4.26	4.34	4.55
Immature Citrus	0.72	1.33	2.46	2.98	2.56	2.77	2.69
Avocado	0.64	1.31	1.92	3.17	5.58	5.97	6.43
Misc Subtropical	0.64	1.31	1.92	3.17	5.58	5.97	6.43
Grape Vines with 80% canopy	0.64	1.32	1.77	2	3.16	5.24	5.67
Grape Vines with cover crop (80% canopy)	0.78	1.33	2.81	3.75	4.71	5.97	6.28
Immature Grapes Vines with 50% canopy	0.65	1.33	1.74	1.7	2.04	3.28	3.41

	August inches	September inches	October inches	November inches	December inches	Annual inches
Precipitation	0.02	0.23	0.15	1.79	0.17	11.51
Grass Reference ETo	6.38	5.23	3.62	1.26	1.36	50.07
Apple, Pear, Cherry, Plum and Prune	5.56	4.39	2.01	0.86	0.76	39.62
Apples, Plums, Cherries etc w/covercrop	7.02	5.46	2.97	1.2	1.46	51.88
Peach, Nectarine and Apricots	5.26	4.15	1.85	0.86	0.76	37.64
Immature Peaches, Nectarines, etc	3.01	2.45	1.01	0.87	0.75	24.14
Almonds	5.27	4.32	2.47	0.89	0.76	39.73
Almonds w/covercrop	6.19	4.92	2.73	1.13	1.38	47.99
Immature Almonds	3.09	2.63	1.42	0.88	0.75	26.39
Walnuts	6.33	4.7	2.08	0.91	0.76	41.7
Pistachio	6.39	4.84	2.26	0.92	0.76	36
Pistachio w/ covercrop	6.65	5.29	2.91	1.07	1.3	45.58
Immature Pistachio	3.74	2.99	1.29	0.92	0.75	23.92
Misc. Deciduous	5.27	4.2	1.89	0.86	0.76	38
Cotton	6.33	4.78	1.21	0.9	0.74	32.48
Beans	2.23	0.21	0.1	0.9	0.74	25.74
Misc. field crops	2.23	0.21	0.1	0.9	0.74	25.74
Small Vegetables	0.95	1.34	0.7	1.09	1.35	16.89
Tomatoes and Peppers	0.63	0.21	0.1	0.9	0.74	25.4
Potatoes, Sugar beets, Turnip etc..	0.1	0.21	0.1	0.9	0.74	32.34
Melons, Squash, and Cucumbers	4.13	1.47	0.1	0.9	0.74	17.43
Onions and Garlic	0.02	0.21	0.1	1.27	0.91	17.47
Strawberries	2.23	0.21	0.1	0.9	0.74	25.74
Flowers, Nursery and Christmas Tree	5.27	4.2	1.89	0.86	0.76	38
Citrus (no ground cover)	3.66	3.26	2.19	1.11	1.37	34.23
Immature Citrus	2.2	2.03	1.37	1.04	1.14	23.29
Avocado	5.27	4.2	1.89	0.86	0.76	38
Misc Subtropical	5.27	4.2	1.89	0.86	0.76	38
Grape Vines with 80% canopy	4.13	2.65	0.11	0.87	0.75	28.32
Grape Vines with cover crop (80% canopy)	4.87	3.16	1.53	0.99	1.2	37.37
Immature Grapes Vines with 50% canopy	2.54	1.58	0.12	0.88	0.75	20.01