

ETc Table for Irrigation District Water Balances

Zone 14 Monthly Evapotranspiration

Surface Irrigation Typical Year

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

Table includes adjustments for bare spots and reduced vigor

	1997 (Typical Year)						
	January inches	February inches	March inches	April inches	May inches	June inches	July inches
Precipitation	8.22	0.28	0.81	0.3	0.44	0.35	0.09
Grass Reference ETo	0.73	2.36	4.13	5.82	7.62	8	8.36
Apple, Pear, Cherry, Plum and Prune	0.79	0.85	1.12	2.37	6.3	7.21	7.53
Apples, Plums, Cherries etc w/covercrop	0.81	2.35	3.56	4.51	7.55	8.74	9
Peach, Nectarine and Apricots	0.79	0.85	1.14	2.18	6.14	7.29	7.35
Immature Peaches, Nectarines, etc	0.79	0.85	0.92	1.23	3.9	4.64	4.7
Almonds	0.79	0.85	1.33	2.9	6.47	7.1	7.1
Almonds w/covercrop	0.81	2.08	3.04	4.46	7.42	8.19	8.31
Immature Almonds	0.79	0.85	1.11	2.11	4.81	5.24	5.35
Walnuts	0.79	0.85	1.27	1.79	5.8	8.4	8.6
Pistachio	0.79	0.85	0.69	1.17	2.73	6	8.21
Pistachio w/ covercrop	0.81	2.08	2.88	3.67	5.43	7.56	8.88
Immature Pistachio	0.79	0.85	0.7	0.73	1.72	4.07	5.69
Misc. Deciduous	0.79	0.85	1.12	2.29	6.02	6.89	7.14
Grain and Grain Hay	0.81	2.32	4.18	5.92	3.81	0.35	0.09
Rice	0.8	0.85	0.7	0.82	6.89	8.98	9.52
Cotton	0.8	0.85	0.7	1	1.82	4.77	8.2
Safflower and Sunflower	0.81	1.12	1.99	5.08	8.09	7.56	1.17
Corn and Grain Sorghum	0.8	0.85	1.61	1.47	2.62	6.95	7.97
Misc. field crops	0.8	0.85	1.61	1.47	2.64	7.02	7.6
Alfalfa Hay and Clover	0.81	2.3	3.94	4.82	6.43	6.92	6.91
Pasture and Misc. Grasses	0.8	1.41	2.47	4.5	6.99	7.44	7.69
Small Vegetables	0.81	1.52	3.76	5.77	2.11	0.34	0.09
Tomatoes and Peppers	0.8	0.85	1.38	1.02	3.73	8.03	6.66
Potatoes, Sugar beets, Turnip etc..	0.8	1.17	2.48	5.69	7.86	8.18	7.13
Melons, Squash, and Cucumbers	0.8	0.85	0.7	0.29	1.13	1.52	4.9
Onions and Garlic	0.81	2.11	3.48	4.9	4.87	0.92	0.1
Strawberries	0.8	0.85	1.61	1.47	2.64	7.02	7.6
Flowers, Nursery and Christmas Tree	0.79	0.85	1.12	2.29	6.02	6.89	7.14
Citrus (no ground cover)	0.81	2.17	3.27	4.18	5.35	5.6	5.59
Immature Citrus	0.81	1.48	2.05	2.6	3.32	3.59	3.43
Avocado	0.79	0.85	1.12	2.29	6.02	6.89	7.14
Misc Subtropical	0.79	0.85	1.12	2.29	6.02	6.89	7.14
Grape Vines with 80% canopy	0.79	0.85	0.87	1.17	3.53	6.05	6.24
Grape Vines with cover crop (80% canopy)	0.81	1.88	2.69	2.94	5.42	6.89	6.93
Immature Grapes Vines with 50% canopy	0.79	0.85	0.81	0.87	2.66	4.51	4.36
Idle	0.8	0.84	0.7	0.29	0.41	0.33	0.09

	August	September	October	November	December	Annual
	inches	inches	inches	inches	inches	inches
Precipitation	0.31	0.31	0.82	4.92	2.74	19.59
Grass Reference ETo	7.11	5.82	3.86	1.25	1.14	56.22
Apple, Pear, Cherry, Plum and Prune	6.39	5.01	2.72	0.55	0.97	41.81
Apples, Plums, Cherries etc w/covercrop	7.63	6.12	3.77	1	1.3	56.37
Peach, Nectarine and Apricots	6.44	5.04	2.52	0.56	0.97	41.27
Immature Peaches, Nectarines, etc	4.19	3.14	1.73	0.56	0.97	27.62
Almonds	6.1	4.79	2.62	0.55	0.97	41.58
Almonds w/covercrop	7.13	5.48	3.25	0.93	1.26	52.36
Immature Almonds	4.68	3.48	1.89	0.56	0.97	31.85
Walnuts	7.41	5.5	2.96	0.65	0.97	45
Pistachio	6.89	5.42	2.94	0.6	0.97	37.28
Pistachio w/ covercrop	7.62	6.22	3.81	1.06	1.26	51.29
Immature Pistachio	4.88	3.88	2.23	0.61	0.97	27.13
Misc. Deciduous	6.22	4.91	2.45	0.56	0.97	40.22
Grain and Grain Hay	0.3	0.29	0.75	0.58	1.05	20.46
Rice	8.06	2.97	0.75	0.58	0.97	41.88
Cotton	7.14	5.48	2.08	0.59	0.97	34.39
Safflower and Sunflower	0.3	0.29	0.75	0.58	0.97	28.72
Corn and Grain Sorghum	5.69	0.76	0.75	0.58	0.97	31
Misc. field crops	2.76	0.29	0.75	0.58	0.97	27.33
Alfalfa Hay and Clover	5.79	4.94	2.25	0.98	1.24	47.33
Pasture and Misc. Grasses	6.67	5.29	3.01	0.85	0.97	48.09
Small Vegetables	1.33	1.75	1.61	0.92	1.22	21.23
Tomatoes and Peppers	0.74	0.29	0.75	0.58	0.97	25.79
Potatoes, Sugar beets, Turnip etc..	0.37	0.29	0.75	0.58	0.97	36.26
Melons, Squash, and Cucumbers	5.5	1.77	0.75	0.58	0.97	19.75
Onions and Garlic	0.3	0.29	0.75	1.15	1.05	20.72
Strawberries	2.76	0.29	0.75	0.58	0.97	27.33
Flowers, Nursery and Christmas Tree	6.22	4.91	2.45	0.56	0.97	40.22
Citrus (no ground cover)	4.9	3.99	3.18	1.03	1.29	41.38
Immature Citrus	3.23	2.56	2.33	0.81	1.14	27.35
Avocado	6.22	4.91	2.45	0.56	0.97	40.22
Misc Subtropical	6.22	4.91	2.45	0.56	0.97	40.22
Grape Vines with 80% canopy	4.95	3.01	0.76	0.56	0.97	29.75
Grape Vines with cover crop (80% canopy)	5.77	3.73	2.21	0.74	1.22	41.23
Immature Grapes Vines with 50% canopy	3.8	2.07	0.76	0.57	0.97	23.01
Idle	0.3	0.29	0.74	0.6	0.97	6.35