

ETc Table for Irrigation District Water Balances

Zone 4 Monthly Evapotranspiration

Surface 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	2.65	4.24	2.31	1.37	0.13	0.17	0.05
Grass Reference ETo	1.52	1.83	2.96	4.41	5.21	5.77	6.29
Apple, Pear, Cherry, Plum and Prune	0.8	1.9	2.45	2.25	2.28	4.04	4.98
Apples, Plums, Cherries etc w/covercrop	1.38	1.96	3.09	4.17	4.38	5.39	6.22
Peach, Nectarine and Apricots	0.8	1.9	2.45	2.28	2.79	4.58	4.78
Immature Peaches, Nectarines, etc	0.81	1.91	2.35	1.79	1.39	2.17	2.69
Walnuts	0.8	1.9	2.24	2	2.04	4.18	5.55
Misc. Deciduous	0.8	1.9	2.66	2.54	2.94	4.55	4.59
Grain and Grain Hay	1.32	2.01	3.16	4.53	2.4	0.16	0.05
Safflower and Sunflower	1.05	1.98	2.76	4.18	5.3	5.24	1
Corn and Grain Sorghum	0.83	1.95	2.72	1.71	1.2	4.52	6.34
Misc. field crops	0.83	2	2.41	2.32	3.66	5.03	5.47
Alfalfa Hay and Clover	1.52	2	3.2	4.53	4.42	4.84	5.17
Pasture and Misc. Grasses	0.83	2	3.15	3.95	4.54	5.11	5.43
Small Vegetables	0.86	1.99	3.06	3.2	2.97	5.44	2.02
Tomatoes and Peppers	0.83	1.95	2.57	2.9	4.75	5.63	5.95
Potatoes, Sugar beets, Turnip etc..	0.85	1.95	2.56	1.67	0.9	3.03	5.57
Melons, Squash, and Cucumbers	0.83	1.98	2.4	2.72	4.85	5.24	2.46
Onions and Garlic	1.18	2	3.06	4.04	4.26	1.7	0.05
Strawberries	0.83	2	2.41	2.32	3.66	5.03	5.47
Flowers, Nursery and Christmas Tree	0.8	1.9	2.66	2.54	2.94	4.55	4.59
Citrus (no ground cover)	1.37	1.96	3.09	3.73	3.15	3.26	3.51
Immature Citrus	1.25	1.96	2.93	2.47	1.39	1.89	1.66
Avocado	0.8	1.9	2.66	2.54	2.94	4.55	4.59
Misc Subtropical	0.8	1.9	2.66	2.54	2.94	4.55	4.59
Idle	0.84	1.97	2.24	1.29	0.12	0.15	0.05

	August inches	September inches	October inches	November inches	December inches	Annual inches
Precipitation	0	0	0	0.02	0.22	11.17
Grass Reference ETo	5.72	3.98	3.55	1.66	2.02	44.92
Apple, Pear, Cherry, Plum and Prune	4.63	2.82	2.5	0.03	0.13	28.8
Apples, Plums, Cherries etc w/covercrop	5.63	3.87	2.83	0.9	0.95	40.78
Peach, Nectarine and Apricots	4.48	3.03	2.61	0.04	0.13	29.85
Immature Peaches, Nectarines, etc	2.09	1.67	1.14	0.02	0.13	18.17
Walnuts	5.18	3.35	2.89	0.63	0.13	30.89
Misc. Deciduous	4.4	2.93	2.7	0.52	0.13	30.67
Grain and Grain Hay	0	0	0.69	0.15	0.72	15.19
Safflower and Sunflower	0	0	0.01	0.02	0.13	21.67
Corn and Grain Sorghum	4.92	0.62	0.01	0.02	0.13	24.97
Misc. field crops	1.85	0	0.01	0.02	0.13	23.72
Alfalfa Hay and Clover	4.82	3.26	1.5	1.27	1.96	38.51
Pasture and Misc. Grasses	4.98	3.48	3.1	1.27	0.14	37.99
Small Vegetables	0	0	0.01	0.02	1.07	20.63
Tomatoes and Peppers	2.13	0	0.01	0.02	0.13	26.87
Potatoes, Sugar beets, Turnip etc..	5.9	4.06	3.64	1.74	1.6	33.48
Melons, Squash, and Cucumbers	0	0	0.01	0.02	0.13	20.63
Onions and Garlic	0	0	0.01	0.71	0.7	17.7
Strawberries	1.85	0	0.01	0.02	0.13	23.72
Flowers, Nursery and Christmas Tree	4.4	2.93	2.7	0.52	0.13	30.67
Citrus (no ground cover)	3.07	2.15	2.08	0.88	1.33	29.58
Immature Citrus	1.33	1.08	1.11	0.51	0.67	18.24
Avocado	4.4	2.93	2.7	0.52	0.13	30.67
Misc Subtropical	4.4	2.93	2.7	0.52	0.13	30.67
Idle	0	0	0.01	0.02	0.13	6.83