

ETc Table for Irrigation Scheduling and Design

Zone 9 Monthly Evapotranspiration

Surface Irrigation Dry Year

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

Table does not include adjustments for bare spots and reduced vigor

	1999 (Dry Year)						
	January	February	March	April	May	June	July
	inches	inches	inches	inches	inches	inches	inches
Precipitation	2.25	1.55	1.91	2.54	0.26	0.53	0
Grass Reference ETo	2.3	2.49	2.9	3.6	4.69	5.61	6.83
Apple, Pear, Cherry, Plum and Prune	0.67	1.66	2.09	2.96	2.36	4.76	5.91
Apples, Plums, Cherries etc w/covercrop	0.95	2.31	2.71	4.33	4.45	6.18	7.44
Peach, Nectarine and Apricots	0.67	1.66	2.09	2.99	3.01	5.02	5.82
Immature Peaches, Nectarines, etc	0.67	1.65	1.95	2.64	1.59	2.82	2.94
Almonds	0.67	1.66	2.14	3.24	3.38	4.85	5.54
Almonds w/covercrop	1.16	2.42	2.73	4.2	4.33	5.75	6.62
Immature Almonds	0.67	1.65	1.95	2.76	1.79	2.75	2.91
Walnuts	0.67	1.66	1.81	2.82	2.17	4.89	6.56
Misc. Deciduous	0.67	1.66	2.55	3.21	3.24	4.85	5.5
Grain and Grain Hay	2.04	2.89	3.39	4.13	2.77	0.55	0
Safflower and Sunflower	1.28	1.94	2.4	3.96	5.18	5.34	1.41
Corn and Grain Sorghum	0.66	1.64	2.76	2.61	1.41	5.14	7.51
Misc. field crops	0.66	2.12	2.04	2.94	3.65	5.47	6.3
Alfalfa Hay and Clover	2.4	2.81	3.36	4.2	4.48	5.55	6.21
Pasture and Misc. Grasses	0.67	2.29	2.89	3.94	4.61	5.47	6.46
Small Vegetables	0.94	2.37	3.03	3.43	2.87	5.83	2.19
Tomatoes and Peppers	0.66	1.64	2.22	3.27	4.72	6.03	6.97
Potatoes, Sugar beets, Turnip etc..	0.7	1.64	2.1	2.62	1.12	3.59	6.65
Melons, Squash, and Cucumbers	0.66	2.15	2.04	3.16	4.69	5.66	2.75
Onions and Garlic	1.6	2.69	3.1	3.88	4.22	2.11	0
Strawberries	0.66	2.12	2.04	2.94	3.65	5.47	6.3
Flowers, Nursery and Christmas Tree	0.67	1.66	2.55	3.21	3.24	4.85	5.5
Citrus (no ground cover)	1.92	2.86	3.04	4.03	3.27	3.75	4.06
Immature Citrus	1.58	2.24	2.6	3.14	1.64	2.14	1.96
Avocado	0.67	1.66	2.55	3.21	3.24	4.85	5.5
Misc Subtropical	0.67	1.66	2.55	3.21	3.24	4.85	5.5
Grape Vines with 35% canopy	0.67	1.65	2.08	2.81	1.55	2.17	2.22
Grape Vines with cover crop (40% canopy)	0.96	2.21	2.64	3.43	2.16	2.87	2.91
Immature Grapes	0.67	1.65	1.95	2.64	1.27	2.1	1.89
Idle	0.66	1.64	1.82	2.29	0.35	0.53	0

	August inches	September inches	October inches	November inches	December inches	Annual inches
Precipitation	0	0	0	0	0	9.04
Grass Reference ETo	6.85	4.81	5.07	2.83	3.2	51.19
Apple, Pear, Cherry, Plum and Prune	5.8	4.1	3.44	0	0	33.74
Apples, Plums, Cherries etc w/covercrop	7.41	5.1	4.29	2.03	1.66	48.86
Peach, Nectarine and Apricots	5.72	4.07	3.84	0	0	34.88
Immature Peaches, Nectarines, etc	2.92	1.9	2.04	0	0	21.13
Almonds	5.72	3.89	3.74	0.8	0	35.63
Almonds w/covercrop	6.51	4.68	4.27	1.73	1.49	45.89
Immature Almonds	2.72	2.12	1.83	0.63	0	21.79
Walnuts	6.72	4.68	4.12	1.16	0	37.26
Misc. Deciduous	5.73	3.81	4.16	1.19	0	36.57
Grain and Grain Hay	0	0	0.77	0.19	1.09	17.83
Safflower and Sunflower	0	0	0	0	0	21.52
Corn and Grain Sorghum	6.27	0.64	0	0	0	28.64
Misc. field crops	2.46	0	0	0	0	25.65
Alfalfa Hay and Clover	6.33	4.28	2.11	2.5	3.24	47.47
Pasture and Misc. Grasses	6.5	4.52	4.82	2.26	0.01	44.45
Small Vegetables	0	0	0	0	1.19	21.86
Tomatoes and Peppers	2.29	0	0	0	0	27.81
Potatoes, Sugar beets, Turnip etc..	7.66	5.38	5.71	3.15	2.78	43.12
Melons, Squash, and Cucumbers	0	0	0	0	0	21.12
Onions and Garlic	0	0	0	0.77	0.94	19.31
Strawberries	2.46	0	0	0	0	25.65
Flowers, Nursery and Christmas Tree	5.73	3.81	4.16	1.19	0	36.57
Citrus (no ground cover)	4.2	2.82	3.09	1.6	2.28	36.93
Immature Citrus	2.06	1.48	1.46	0.76	1.22	22.28
Avocado	5.73	3.81	4.16	1.19	0	36.57
Misc Subtropical	5.73	3.81	4.16	1.19	0	36.57
Grape Vines with 35% canopy	1.91	1.48	0	0	0	16.54
Grape Vines with cover crop (40% canopy)	2.78	1.69	1.71	0.58	0.47	24.42
Immature Grapes	2.04	1.02	0	0	0	15.22
Idle	0	0	0	0	0	7.29