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WEEKLY SOIL MOISTURE LOSS IN INCHES
(Estimated Crop Evapotranspiration or ET_c)
07/11/25 through 07/17/25

Crops (Leafout Date)	#124 Panoche				#2 Five Points				#15 Stratford			
	07/11- 07/17 Water Use	Accum'd Seasonal Water Use	07/18- 07/24 Estimated ET _c		07/11- 07/17 Water Use	Accum'd Seasonal Water Use	07/18- 07/24 Estimated ET _c		07/11- 07/17 Water Use	Accum'd Seasonal Water Use	07/18- 07/24 Estimated ET _c	
Almonds (3/1) *	2.10	27.16	2.08		2.29	28.56	2.17		2.33	29.90	2.17	
Pistachio (4/25) * **	2.17	19.69	2.15		2.34	20.82	2.24		2.37	21.51	2.24	
Citrus (2/1)	1.49	23.96	1.45		1.60	25.01	1.54		1.62	26.29	1.54	
Raisin Grapes (4/14) (11 ft. row spacing)	1.40	14.50	1.41		1.52	15.35	1.43		1.54	15.97	1.43	
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	1.59	15.27	1.59		1.72	16.14	1.67		1.73	16.77	1.67	
Walnuts (4/14)	2.04	18.33	2.22		2.21	19.35	2.31		2.24	20.09	2.31	
Stone Fruit (3/8)	2.04	20.38	2.05		2.25	21.47	2.14		2.28	22.31	2.14	
Past 7 days precipitation (inches)		0.00				0.00				0.00		
Accumulated precipitation (inches) (1/1/2025)		2.31				3.13				2.72		

Dates in parentheses above, indicate leaf out or starting date for ET accumulation for the specific crop

* Estimates are for orchard floor conditions where vegetation is managed by some combination of drip applications of herbicides, frequent mowing or tillage, and by mid and late season shading and water stress. Weekly estimates of soil moisture loss can be as much as 25 percent higher in orchards where cover crops are planted and managed more intensively for maximum growth.

** Very vigorous, non-salt affected peak season pistachio Kc can be as high as 1.19 – resulting in about 8% greater water use than shown in these tables.

PAST WEEKLY APPLIED WATER IN INCHES, ADJUSTED FOR EFFICIENCY ¹

Crops	#124 Panoche				#2 Five Points				#15 Stratford			
System Efficiency >>	65%	75%	85%	95%	65%	75%	85%	95%	65%	75%	85%	95%
Almonds (3/1)	3.2	2.8	2.5	2.2	3.5	3.1	2.7	2.4	3.6	3.1	2.7	2.5
Pistachio (4/25)	3.3	2.9	2.6	2.3	3.6	3.1	2.8	2.5	3.6	3.2	2.8	2.5
Citrus (2/1)	2.3	2.0	1.8	1.6	2.5	2.1	1.9	1.7	2.5	2.2	1.9	1.7
Raisin Grapes (4/14) (11 ft. row spacing)	Assume all grape			1.5	Assume all grape			1.6	Assume all grape			1.6
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	irrigation type is drip			1.7	irrigation type is drip			1.8	irrigation type is drip			1.8
Walnuts (4/14)	3.1	2.7	2.4	2.1	3.4	2.9	2.6	2.3	3.4	3.0	2.6	2.4
Stone Fruit (3/8)	3.1	2.7	2.4	2.1	3.5	3.0	2.6	2.4	3.5	3.0	2.7	2.4

¹ The amount of water required by a specific irrigation system to satisfy evapotranspiration. Typical ranges in irrigation system efficiency are: Drip, 80%-95%; Micro-sprinkler, 80%-90%; Sprinkler, 70%-85%; and Border-furrow, 50%-75%.

PAST WEEKLY APPLIED WATER IN GALLON PER TREE OR VINE

Crops	#124 Panoche				#2 Five Points				#15 Stratford			
Almonds 115 Trees/A	756	661	590	519	826	732	638	567	850	732	638	590
Pistachio 106 Trees/A	822	722	648	573	897	772	698	623	897	797	698	623
Citrus 110 Trees/A	568	494	444	395	617	518	469	420	617	543	469	420
Raisin Grapes 566 Vines/A	Assume all grape			72	Assume all grape			77	Assume all grape			77
Winegrapes 622 Vines/A	irrigation type is drip			74	irrigation type is drip			79	irrigation type is drip			79
Walnuts 76 Trees/A	1108	965	857	750	1215	1036	929	822	1215	1072	929	857
Stonefruit 172 Trees/A	489	426	379	332	553	474	410	379	553	474	426	379

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