

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 strip 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.

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%.

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WEEKLY SOIL MOISTURE LOSS IN INCHES (Estimated Crop Evapotranspiration or ET _c) 09/19/25 through 09/25/25											
Crops (Leafout Date)	#124 Panoche				#2 Five Points				#15 Stratford		
	09/19- 09/25 Water Use	Accum'd Seasonal Water Use	09/26- 10/02 Estimated ETc		09/19- 09/25 Water Use	Accum'd Seasonal Water Use	09/26- 10/02 Estimated ETc		09/19- 09/25 Water Use	Accum'd Seasonal Water Use	09/26- 10/02 Estimated ETc
Almonds (3/1) *	1.17	45.59	1.13		1.26	47.03	1.23		1.25	48.60	1.18
Pistachio (4/25) * **	1.10	38.38	1.07		1.19	39.54	1.18		1.18	40.50	1.13
Citrus (2/1)	0.89	36.97	0.90		0.94	38.08	0.98		0.94	39.53	0.96
Raisin Grapes (4/14) (11 ft. row spacing)	0.83	26.90	0.82		0.90	27.75	0.92		0.89	28.59	0.88
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	0.94	29.38	0.94		1.01	30.31	1.04		1.00	31.14	0.99
Walnuts (4/14)	1.11	37.46	1.07		1.20	38.52	1.18		1.19	39.53	1.13
Stone Fruit (3/8)	1.28	39.39	1.32		1.38	40.53	1.43		1.36	41.64	1.38
Past 7 days precipitation (inches)		0.08				0.06				0.39	
Accumulated precipitation (inches) (1/1/2025)		2.44				3.21				3.24	

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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)	1.8	1.6	1.4	1.2	1.9	1.7	1.5	1.3	1.9	1.7	1.5	1.3
Pistachio (4/25)	1.7	1.5	1.3	1.2	1.8	1.6	1.4	1.3	1.8	1.6	1.4	1.2
Citrus (2/1)	1.4	1.2	1.0	0.9	1.4	1.3	1.1	1.0	1.4	1.3	1.1	1.0
Raisin Grapes (4/14) (11 ft. row spacing)	Assume all grape			0.9	Assume all grape			0.9	Assume all grape			0.9
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	irrigation type is drip			1.0	irrigation type is drip			1.1	irrigation type is drip			1.1
Walnuts (4/14)	1.7	1.5	1.3	1.2	1.8	1.6	1.4	1.3	1.8	1.6	1.4	1.3
Stone Fruit (3/8)	2.0	1.7	1.5	1.3	2.1	1.8	1.6	1.5	2.1	1.8	1.6	1.4

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PAST WEEKLY APPLIED WATER IN GALLON PER TREE OR VINE												
Crops	#124 Panoche				#2 Five Points				#15 Stratford			
Almonds 115 Trees/A	425	378	331	283	449	401	354	307	449	401	354	307
Pistachio 106 Trees/A	424	374	324	299	448	399	349	324	448	399	349	299
Citrus 110 Trees/A	346	296	247	222	346	321	272	247	346	321	272	247
Raisin Grapes 566 Vines/A	Assume all grape			43	Assume all grape			43	Assume all grape			43
Winegrapes 622 Vines/A	irrigation type is drip			44	irrigation type is drip			48	irrigation type is drip			48
Walnuts 76 Trees/A	607	536	464	429	643	572	500	464	643	572	500	464
Stonefruit 172 Trees/A	316	268	237	205	332	284	253	237	332	284	253	221

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