

03/18/22 through 03/24/22

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) 03/18/22 through 03/24/22															
Crops (Leafout Date)	#124 Panoche					#2 Five Points					#15 Stratford				
	3/18 - 3/24	Accum'd	3/25 - 3/31			3/18 - 3/24	Accum'd	3/25 - 3/31			3/18 - 3/24	Accum'd	3/25 - 3/31		
	Water	Seasonal	Estimated			Water	Seasonal	Estimated			Water	Seasonal	Estimated		
	Use	Water Use	ETc			Use	Water Use	ETc			Use	Water Use	ETc		
Almonds (3/1) *	0.73	2.00	0.79			0.80	2.15	0.80			0.78	2.09	0.80		
Pistachio (N/A) * **	0.00	0.00	0.00			0.00	0.00	0.00			0.00	0.00	0.00		
Citrus (2/1)	0.77	4.63	0.77			0.85	4.98	0.81			0.84	4.65	0.80		
Raisin Grapes (3/15) (11 ft. row spacing)	0.05	0.07	0.06			0.05	0.07	0.06			0.05	0.08	0.06		
Winegrapes (3/15) (10 ft. spacing on California Sprawl Trellis)	0.10	0.14	0.12			0.12	0.16	0.12			0.12	0.16	0.12		
Walnuts (N/A)	0.00	0.00	0.00			0.00	0.00	0.00			0.00	0.00	0.00		
Stone Fruit (3/10)	0.26	0.57	0.34			0.29	0.62	0.35			0.28	0.60	0.35		
Past 7 days precipitation (inches)	0.18					0.31					0.13				
Accumulated precipitation (inches) (1/1/2022)	0.21					0.88					0.85				
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** 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)	1.1	1.0	0.9	0.8		1.2	1.1	0.9	0.8		1.2	1.0	0.9	0.8	
Pistachio (N/A)	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	
Citrus (2/1)	1.2	1.0	0.9	0.8		1.3	1.1	1.0	0.9		1.3	1.1	1.0	0.9	
Raisin Grapes (3/15) (11 ft. row spacing)	Assume all grape			0.1		Assume all grape			0.1		Assume all grape			0.1	
Winegrapes (3/15) (10 ft. spacing on California Sprawl Trellis)	irrigation type is drip			0.1		irrigation type is drip			0.1		irrigation type is drip			0.1	
Walnuts (N/A)	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	
Stone Fruit (3/10)	0.4	0.3	0.3	0.3		0.4	0.4	0.3	0.3		0.4	0.4	0.3	0.3	
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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	260	236	213	189		283	260	213	189		283	236	213	189	
Pistachio 106 Trees/A	0	0	0	0		0	0	0	0		0	0	0	0	
Citrus 110 Trees/A	296	247	222	197		321	272	247	222		321	272	247	222	
Raisin Grapes 566 Vines/A	Assume all grape			5		Assume all grape			5		Assume all grape			5	
Winegrapes 622 Vines/A	irrigation type is drip			4		irrigation type is drip			4		irrigation type is drip			4	
Walnuts 76 Trees/A	0	0	0	0		0	0	0	0		0	0	0	0	
Stonefruit 172 Trees/A	63	47	47	47		63	63	47	47		63	63	47	47	
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