



WEEKLY SOIL MOISTURE LOSS IN INCHES
(Estimated Crop Evapotranspiration or ETC)
04/17/2026 through 04/23/2026

Crops (Leafout Date)	#148 Merced				#39 Parlier				#258 Lemon Cove		
	04/17 - 04/23	Accum'd	04/24 - 04/30		04/17 - 04/23	Accum'd	04/24 - 04/30		04/17 - 04/23	Accum'd	04/24 - 04/30
	Water Use	Seasonal Water Use	Estimated ETC		Water Use	Seasonal Water Use	Estimated ETC		Water Use	Seasonal Water Use	Estimated ETC
Almonds (3/6) *	0.95	4.44	1.05		0.95	5.19	1.09		0.98	5.17	1.11
Citrus (2/1)	0.89	6.82	0.94		0.89	7.78	0.98		0.92	7.87	1.00
Pistachio (4/1) * **	0.32	0.62	0.54		0.36	0.69	0.54		0.35	0.65	0.54
Raisin Grapes (3/9) (11 ft. row spacing)	0.40	1.06	0.59		0.42	1.23	0.60		0.42	1.21	0.62
Stone Fruit (3/16)	0.49	1.73	0.70		0.50	1.98	0.73		0.52	2.00	0.74
Walnuts (TBD)	0.00	0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00
Winegrapes (3/9) (10 ft. spacing on California Sprawl Trellis) ***	0.43	1.40	0.58		0.43	1.64	0.59		0.45	1.63	0.60
Past 7 days precipitation (inches)	0.00				0.33				0.24		
Accumulated precipitation (inches) (01/01/2026)	0.00				4.14				4.15		

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.

PAST WEEKLY APPLIED WATER IN INCHES, ADJUSTED FOR EFFICIENCY 1

Crops	#148 Merced					#39 Parlier					#258 Lemon Cove			
	65%	75%	85%	95%		65%	75%	85%	95%		65%	75%	85%	95%
System Efficiency >>	65%	75%	85%	95%		65%	75%	85%	95%		65%	75%	85%	95%
Almonds (3/6) *	1.5	1.3	1.1	1.0		1.5	1.3	1.1	1.0		1.5	1.3	1.2	1.0
Citrus (2/1)	1.4	1.2	1.0	0.9		1.4	1.2	1.0	0.9		1.4	1.2	1.1	1.0
Pistachio (4/1) * **	0.5	0.4	0.4	0.3		0.6	0.5	0.4	0.4		0.5	0.5	0.4	0.4
Raisin Grapes (3/9) (11 ft. row spacing)	Assume grape irrigation drip			0.4		Assume grape irrigation drip			0.4		Assume grape irrigation drip			0.4
Stone Fruit (3/16)	0.8	0.7	0.6	0.5		0.8	0.7	0.6	0.5		0.8	0.7	0.6	0.5
Walnuts (TBD)	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
Winegrapes (3/9) (10 ft. spacing on California Sprawl Trellis) ***	Assume grape irrigation drip			0.5		Assume grape irrigation drip			0.5		Assume grape irrigation drip			0.5

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	#148 Merced					#39 Parlier					#258 Lemon Cove			
	354	307	260	236		354	307	260	236		354	307	283	236
Almonds 115 Trees/A	354	307	260	236		354	307	260	236		354	307	283	236
Citrus 110 Trees/A	346	296	247	222		346	296	247	222		346	296	272	247
Pistachio 106 Trees/A	128	102	102	77		154	128	102	102		128	128	102	102
Raisin Grapes 566 Vines/A	Assume grape irrigation drip			19		Assume grape irrigation drip			19		Assume grape irrigation drip			19
Stonefruit 172 Trees/A	126	111	95	79		126	111	95	79		126	111	95	79
Walnuts 76 Trees/A	0	0	0	0		0	0	0	0		0	0	0	0
Winegrapes 622 Vines/A	Assume grape irrigation drip			22		Assume grape irrigation drip			22		Assume grape irrigation drip			22

For further information concerning all counties receiving this report, contact the Fresno Co. Farm Advisor's office at (559) 241-7526.



WEEKLY SOIL MOISTURE LOSS IN INCHES

(Estimated Crop Evapotranspiration or ETC)

04/17/2026 through 04/23/2026

Crops (Leafout Date)	#124 Panoche				#2 Five Points				#15 Stratford		
	04/17 - 04/23	Accum'd	04/24 - 04/30		04/17 - 04/23	Accum'd	04/24 - 04/30		04/17 - 04/23	Accum'd	04/24 - 04/30
	Water Use	Seasonal Water Use	Estimated ETC		Water Use	Seasonal Water Use	Estimated ETC		Water Use	Seasonal Water Use	Estimated ETC
Almonds (3/6) *	0.93	4.85	1.26		1.20	5.86	1.27		1.15	5.93	1.27
Citrus (2/1)	0.87	7.38	1.08		1.12	8.42	1.16		1.09	8.87	1.15
Pistachio (4/1) * **	0.28	0.53	0.61		0.37	0.68	0.65		0.43	0.79	0.64
Raisin Grapes (3/9) (11 ft. row spacing)	0.41	1.17	0.69		0.52	1.44	0.73		0.51	1.43	0.72
Stone Fruit (3/16)	0.48	1.85	0.81		0.62	2.26	0.85		0.61	2.30	0.84
Walnuts (TBD)	0.00	0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00
Winegrapes (3/9) (10 ft. spacing on California Sprawl Trellis) ***	0.36	1.32	0.67		0.48	1.63	0.70		0.53	1.90	0.70
Past 7 days precipitation (inches)	1.18				0.09				0.04		
Accumulated precipitation (inches) (01/01/2026)	4.27				2.07				2.11		

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.

PAST WEEKLY APPLIED WATER IN INCHES, ADJUSTED FOR EFFICIENCY 1

Crops	#124 Panoche				#2 Five Points				#15 Stratford			
	65%	75%	85%	95%	65%	75%	85%	95%	65%	75%	85%	95%
System Efficiency >>	65%	75%	85%	95%	65%	75%	85%	95%	65%	75%	85%	95%
Almonds (3/6) *	1.4	1.2	1.1	1.0	1.8	1.6	1.4	1.3	1.8	1.5	1.4	1.2
Citrus (2/1)	1.3	1.2	1.0	0.9	1.7	1.5	1.3	1.2	1.7	1.5	1.3	1.1
Pistachio (4/1) * **	0.4	0.4	0.3	0.3	0.6	0.5	0.4	0.4	0.7	0.6	0.5	0.5
Raisin Grapes (3/9) (11 ft. row spacing)	Assume grape irrigation drip			0.4	Assume grape irrigation drip			0.5	Assume grape irrigation drip			
Stone Fruit (3/16)	0.7	0.6	0.6	0.5	1.0	0.8	0.7	0.7	0.9	0.8	0.7	0.6
Walnuts (TBD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Winegrapes (3/9) (10 ft. spacing on California Sprawl Trellis) ***	Assume grape irrigation drip			0.4	Assume grape irrigation drip			0.5	Assume grape irrigation drip			

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PAST WEEKLY APPLIED WATER IN GALLON PER TREE OR VINE

Crops	#124 Panoche				#2 Five Points				#15 Stratford			
	331	283	260	236	425	378	331	307	425	354	331	283
Almonds 115 Trees/A	331	283	260	236	425	378	331	307	425	354	331	283
Citrus 110 Trees/A	321	296	247	222	420	370	321	296	420	370	321	272
Pistachio 106 Trees/A	102	102	77	77	154	128	102	102	179	154	128	128
Raisin Grapes 566 Vines/A	Assume grape irrigation drip			19	Assume grape irrigation drip			24	Assume grape irrigation drip			
Stonefruit 172 Trees/A	111	95	95	79	158	126	111	111	142	126	111	95
Walnuts 76 Trees/A	0	0	0	0	0	0	0	0	0	0	0	0
Winegrapes 622 Vines/A	Assume grape irrigation drip			17	Assume grape irrigation drip			22	Assume grape irrigation drip			

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