

WEEKLY SOIL MOISTURE LOSS IN INCHES
(Estimated Crop Evapotranspiration or ET_c)
03/28/25 through 04/03/25

Crops (Leafout Date)	#148 Merced				#39 Parlier				#258 Lemon Cove			
	03/28 - 04/03	Accum'd	04/04 - 04/10		03/28 - 04/03	Accum'd	04/04 - 04/10		03/28 - 04/03	Accum'd	04/04 - 04/10	
	Water Use	Seasonal Water Use	Estimated ET _c		Water Use	Seasonal Water Use	Estimated ET _c		Water Use	Seasonal Water Use	Estimated ET _c	
Almonds (3/1) *	0.72	2.62	0.78		0.57	2.49	0.83		0.46	2.16	0.00	
Pistachio (TBD) * **	0.00	0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00	
Citrus (2/1)	0.73	4.56	0.77		0.57	4.58	0.77		0.45	4.14	0.00	
Raisin Grapes (TBD) (11 ft. row spacing)	0.00	0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00	
Winegrapes (TBD) (10 ft. spacing on California Sprawl Trellis)	0.00	0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00	
Walnuts (TBD)	0.00	0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00	
Stone Fruit (3/8)	0.28	0.80	0.34		0.24	0.82	0.37		0.18	0.73	0.00	
Past 7 days precipitation (inches)	0.00				0.38				0.17			
Accumulated precipitation (inches) (1/1/2025)	0.00				5.22				4.26			

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.
 *** Raisin Grapes and Winegrapes Irrigation should hold off until midday leaf water potential drops to -1.0 MPa, before that soil moisture reservoir is sufficient to supply the vine water demand. Update will be sent shortly once the county wide leaf water potential reaches approximate -1.0 MPa. Growers should adjust the irrigation start date based on the individual vineyard location and soil type.

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 (3/1)	1.1	1.0	0.8	0.8	0.9	0.8	0.7	0.6	0.7	0.6	0.5	0.5
Pistachio (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
Citrus (2/1)	1.1	1.0	0.9	0.8	0.9	0.8	0.7	0.6	0.7	0.6	0.5	0.5
Raisin Grapes (TBD) (11 ft. row spacing)***	Assume all grape			0.0	Assume all grape			0.0	Assume all grape			0.0
Winegrapes (TBD) (10 ft. spacing on California Sprawl Trellis) ***	irrigation type is drip			0.0	irrigation type is drip			0.0	irrigation type is drip			0.0
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
Stone Fruit (3/8)	0.4	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.2

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			
Almonds 115 Trees/A	260	236	189	189	213	189	165	142	165	142	118	118
Pistachio 106 Trees/A	0	0	0	0	0	0	0	0	0	0	0	0
Citrus 110 Trees/A	272	247	222	197	222	197	173	148	173	148	123	123
Raisin Grapes 566 Vines/A	Assume all grape			0	Assume all grape			0	Assume all grape			0
Winegrapes 622 Vines/A	irrigation type is drip			0	irrigation type is drip			0	irrigation type is drip			0
Walnuts 76 Trees/A	0	0	0	0	0	0	0	0	0	0	0	0
Stonefruit 172 Trees/A	63	63	47	47	63	47	47	47	47	32	32	32

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

WEEKLY CROP WATER USE - Based on local CIMIS Weather Stations (in inches)
(Estimated Crop Evapotranspiration or ET_c)
03/28/25 through 04/03/25

Crops (Leafout Date)	#124 Panoche			#2 Five Points			#15 Stratford		
	03/28- 04/03 Water Use	Accum'd Seasonal Water Use	04/04- 04/10 Estimated ETc	03/28- 04/03 Water Use	Accum'd Seasonal Water Use	04/04- 04/10 Estimated ETc	03/28- 04/03 Water Use	Accum'd Seasonal Water Use	04/04- 04/10 Estimated ETc
Almonds (3/1) *	0.68	2.10	0.90	0.66	2.17	0.95	0.71	2.30	0.94
Pistachio (TBD) * **	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Citrus (2/1)	0.68	4.81	0.87	0.66	4.88	0.91	0.69	5.27	0.91
Raisin Grapes (TBD) (11 ft. row spacing)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Winegrapes (TBD) (10 ft. spacing on California Sprawl Trellis)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Walnuts (TBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stone Fruit (3/8)	0.28	0.82	0.41	0.27	0.71	0.42	0.27	0.73	0.41
Past 7 days precipitation (inches)	0.02			0.18			0.12		
Accumulated precipitation (inches) (1/1/2025)	2.21			2.85			2.51		

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.

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	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 (3/1)	1.0	0.9	0.8	0.7	1.0	0.9	0.8	0.7	1.1	0.9	0.8	0.7
Pistachio (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
Citrus (2/1)	1.0	0.9	0.8	0.7	1.0	0.9	0.8	0.7	1.1	0.9	0.8	0.7
Raisin Grapes (TBD) (11 ft. row spacing)	Assume all grape			0.0	Assume all grape			0.0	Assume all grape			0.0
Winegrapes (TBD) (10 ft. spacing on California Sprawl Trellis)	irrigation type is drip			0.0	irrigation type is drip			0.0	irrigation type is drip			0.0
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
Stone Fruit (3/8)	0.4	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.4	0.4	0.3	0.3

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Walnuts 76 Trees/A	0	0	0	0	0	0	0	0	0	0	0	0
Stonefruit 172 Trees/A	63	63	47	47	63	63	47	47	63	63	47	47

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