

WEEKLY SOIL MOISTURE LOSS IN INCHES

(Estimated Crop Evapotranspiration or ET_C)

08/08/25 through 08/14/25

Crops (Leafout Date)	#148 Merced				#39 Parlier				#258 Lemon Cove			
	08/08 - 08/14	Accum'd	08/15 - 08/21		08/08 - 08/14	Accum'd	08/15 - 08/21		08/08 - 08/14	Accum'd	08/15 - 08/21	
	Water	Seasonal	Estimated		Water	Seasonal	Estimated		Water	Seasonal	Estimated	
	Use	Water Use	ETc		Use	Water Use	ETc		Use	Water Use	ETc	
Almonds (3/1) *	1.89	33.85	1.82		1.95	35.43	1.76		1.95	33.50	1.69	
Pistachio (4/25) * **	1.96	26.56	1.82		2.02	27.97	1.76		2.02	26.74	1.69	
Citrus (2/1)	1.33	27.81	1.26		1.38	29.27	1.20		1.37	27.58	1.19	
Raisin Grapes (4/14) (11 ft. row spacing)	1.25	18.90	1.19		1.30	19.86	1.14		1.30	18.86	1.08	
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis) ***	1.43	20.34	1.37		1.48	21.44	1.32		1.48	20.43	1.26	
Walnuts (4/14)	2.03	25.47	1.89		2.09	26.82	1.83		2.09	25.58	1.76	
Stone Fruit (3/8)	1.96	27.09	1.82		2.02	28.57	1.76		2.02	27.09	1.69	
Past 7 days precipitation (inches)		0.00				0.00				0.00		
Accumulated precipitation (inches) (1/1/2025)		0.00				5.35				4.44		

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			
System Efficiency >>	65%	75%	85%	95%	65%	75%	85%	95%	65%	75%	85%	95%
Almonds (3/1)	2.9	2.5	2.2	2.0	3.0	2.6	2.3	2.1	3.0	2.6	2.3	2.1
Pistachio (4/25)	3.0	2.6	2.3	2.1	3.1	2.7	2.4	2.1	3.1	2.7	2.4	2.1
Citrus (2/1)	2.0	1.8	1.6	1.4	2.1	1.8	1.6	1.5	2.1	1.8	1.6	1.4
Raisin Grapes (4/14) (11 ft. row spacing)***	Assume all grape			1.3	Assume all grape			1.4	Assume all grape			1.4
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis) ***	irrigation type is drip			1.5	irrigation type is drip			1.6	irrigation type is drip			1.6
Walnuts (4/14)	3.1	2.7	2.4	2.1	3.2	2.8	2.5	2.2	3.2	2.8	2.5	2.2
Stone Fruit (3/8)	3.0	2.6	2.3	2.1	3.1	2.7	2.4	2.1	3.1	2.7	2.4	2.1

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	685	590	519	472	708	614	543	496	708	614	543	496
Pistachio 106 Trees/A	747	648	573	523	772	673	598	523	772	673	598	523
Citrus 110 Trees/A	494	444	395	346	518	444	395	370	518	444	395	346
Raisin Grapes 566 Vines/A	Assume all grape			62	Assume all grape			67	Assume all grape			67
Winegrapes 622 Vines/A	irrigation type is drip			65	irrigation type is drip			70	irrigation type is drip			70
Walnuts 76 Trees/A	1108	965	857	750	1143	1000	893	786	1143	1000	893	786
Stonefruit 172 Trees/A	474	410	363	332	489	426	379	332	489	426	379	332

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 ET _c)												
08/08/25 through 08/14/25												
Crops (Leafout Date)	#124 Panoche				#2 Five Points				#15 Stratford			
	08/08- 08/14	Accum'd	08/15- 08/21		08/08- 08/14	Accum'd	08/15- 08/21		08/08- 08/14	Accum'd	08/15- 08/21	
	Water	Seasonal	Estimated		Water	Seasonal	Estimated		Water	Seasonal	Estimated	
	Use	Water Use	ETc		Use	Water Use	ETc		Use	Water Use	ETc	
Almonds (3/1) *	2.40	35.58	1.82		2.09	36.97	1.97		2.13	38.41	1.97	
Pistachio (4/25) * **	2.43	28.35	1.82		2.16	29.51	2.04		2.20	30.30	2.04	
Citrus (2/1)	1.66	29.84	1.26		1.47	30.92	1.40		1.50	32.28	1.40	
Raisin Grapes (4/14) (11 ft. row spacing)	1.59	20.12	1.19		1.40	20.97	1.32		1.43	21.68	1.32	
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	1.83	21.68	1.37		1.60	22.58	1.50		1.63	23.29	1.50	
Walnuts (4/14)	2.50	27.27	1.89		2.23	28.32	2.11		2.27	29.16	2.11	
Stone Fruit (3/8)	2.43	28.94	1.82		2.16	30.07	2.04		2.20	31.02	2.04	
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 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			
System Efficiency >>	65%	75%	85%	95%	65%	75%	85%	95%	65%	75%	85%	95%
Almonds (3/1)	3.7	3.2	2.8	2.5	3.2	2.8	2.5	2.2	3.3	2.8	2.5	2.2
Pistachio (4/25)	3.7	3.2	2.9	2.6	3.3	2.9	2.5	2.3	3.4	2.9	2.6	2.3
Citrus (2/1)	2.6	2.2	2.0	1.7	2.3	2.0	1.7	1.5	2.3	2.0	1.8	1.6
Raisin Grapes (4/14) (11 ft. row spacing)	Assume all grape			1.7	Assume all grape			1.5	Assume all grape			1.5
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	irrigation type is drip			1.9	irrigation type is drip			1.7	irrigation type is drip			1.7
Walnuts (4/14)	3.8	3.3	2.9	2.6	3.4	3.0	2.6	2.3	3.5	3.0	2.7	2.4
Stone Fruit (3/8)	3.7	3.2	2.9	2.6	3.3	2.9	2.5	2.3	3.4	2.9	2.6	2.3

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	874	756	661	590	756	661	590	519	779	661	590	519
Pistachio 106 Trees/A	922	797	722	648	822	722	623	573	847	722	648	573
Citrus 110 Trees/A	642	543	494	420	568	494	420	370	568	494	444	395
Raisin Grapes 566 Vines/A	Assume all grape			82	Assume all grape			72	Assume all grape			72
Winegrapes 622 Vines/A	irrigation type is drip			83	irrigation type is drip			74	irrigation type is drip			74
Walnuts 76 Trees/A	1358	1179	1036	929	1215	1072	929	822	1251	1072	965	857
Stonefruit 172 Trees/A	584	505	458	410	521	458	395	363	537	458	410	363

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