

WEEKLY SOIL MOISTURE LOSS IN INCHES

(Estimated Crop Evapotranspiration or ET_C)

08/22/25 through 08/28/25

Crops (Leafout Date)	#148 Merced				#39 Parlier				#258 Lemon Cove			
	08/22 - 08/28	Accum'd	08/29 - 09/04		08/22 - 08/28	Accum'd	08/29 - 09/04		08/22 - 08/28	Accum'd	08/29 - 09/04	
	Water	Seasonal	Estimated		Water	Seasonal	Estimated		Water	Seasonal	Estimated	
	Use	Water Use	ETc		Use	Water Use	ETc		Use	Water Use	ETc	
Almonds (3/1) *	1.75	37.42	1.65		1.69	38.98	1.55		1.67	36.99	1.52	
Pistachio (4/25) * **	1.75	30.13	1.67		1.72	31.59	1.61		1.70	30.28	1.59	
Citrus (2/1)	1.19	30.26	1.17		1.18	31.75	1.12		1.17	30.01	1.10	
Raisin Grapes (4/14) (11 ft. row spacing)	1.13	21.22	1.08		1.11	22.19	1.06		1.09	21.14	1.05	
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis) ***	1.31	23.02	1.24		1.27	24.11	1.19		1.25	23.04	1.17	
Walnuts (4/14)	1.82	29.18	1.67		1.78	30.57	1.61		1.76	29.25	1.59	
Stone Fruit (3/8)	1.75	30.66	1.67		1.72	32.19	1.61		1.70	30.63	1.59	
Past 7 days precipitation (inches)		0.00				0.03				0.00		
Accumulated precipitation (inches) (1/1/2025)		0.00				5.38				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)	2.7	2.3	2.1	1.8	2.6	2.3	2.0	1.8	2.6	2.2	2.0	1.8
Pistachio (4/25)	2.7	2.3	2.1	1.8	2.6	2.3	2.0	1.8	2.6	2.3	2.0	1.8
Citrus (2/1)	1.8	1.6	1.4	1.3	1.8	1.6	1.4	1.2	1.8	1.6	1.4	1.2
Raisin Grapes (4/14) (11 ft. row spacing)***	Assume all grape			1.2	Assume all grape			1.2	Assume all grape			1.1
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis) ***	irrigation type is drip			1.4	irrigation type is drip			1.3	irrigation type is drip			1.3
Walnuts (4/14)	2.8	2.4	2.1	1.9	2.7	2.4	2.1	1.9	2.7	2.3	2.1	1.9
Stone Fruit (3/8)	2.7	2.3	2.1	1.8	2.6	2.3	2.0	1.8	2.6	2.3	2.0	1.8

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	638	543	496	425	614	543	472	425	614	519	472	425
Pistachio 106 Trees/A	673	573	523	448	648	573	498	448	648	573	498	448
Citrus 110 Trees/A	444	395	346	321	444	395	346	296	444	395	346	296
Raisin Grapes 566 Vines/A	Assume all grape			58	Assume all grape			58	Assume all grape			53
Winegrapes 622 Vines/A	irrigation type is drip			61	irrigation type is drip			57	irrigation type is drip			57
Walnuts 76 Trees/A	1000	857	750	679	965	857	750	679	965	822	750	679
Stonefruit 172 Trees/A	426	363	332	284	410	363	316	284	410	363	316	284

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)												
08/22/25 through 08/28/25												
Crops (Leafout Date)	#124 Panoche				#2 Five Points				#15 Stratford			
	08/22- 08/28	Accum'd	08/29- 09/04		08/22- 08/28	Accum'd	08/29- 09/04		08/22- 08/28	Accum'd	08/29- 09/04	
	Water	Seasonal	Estimated		Water	Seasonal	Estimated		Water	Seasonal	Estimated	
	Use	Water Use	ETc		Use	Water Use	ETc		Use	Water Use	ETc	
Almonds (3/1) *	1.95	39.58	1.71		1.81	40.65	1.86		1.89	42.32	1.83	
Pistachio (4/25) * **	2.01	32.48	1.71		1.85	33.27	1.90		1.95	34.34	1.84	
Citrus (2/1)	1.37	32.64	1.19		1.26	33.49	1.30		1.32	35.02	1.27	
Raisin Grapes (4/14) (11 ft. row spacing)	1.29	22.80	1.10		1.20	23.40	1.22		1.27	24.30	1.20	
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	1.48	24.73	1.28		1.37	25.36	1.40		1.44	26.27	1.38	
Walnuts (4/14)	2.08	31.54	1.71		1.92	32.22	1.86		2.02	33.34	1.83	
Stone Fruit (3/8)	2.01	33.07	1.71		1.85	33.83	1.90		1.95	35.06	1.84	
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)	3.0	2.6	2.3	2.1	2.8	2.4	2.1	1.9	2.9	2.5	2.2	2.0
Pistachio (4/25)	3.1	2.7	2.4	2.1	2.8	2.5	2.2	1.9	3.0	2.6	2.3	2.1
Citrus (2/1)	2.1	1.8	1.6	1.4	1.9	1.7	1.5	1.3	2.0	1.8	1.6	1.4
Raisin Grapes (4/14) (11 ft. row spacing)	Assume all grape			1.4	Assume all grape			1.3	Assume all grape			1.3
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	irrigation type is drip			1.6	irrigation type is drip			1.4	irrigation type is drip			1.5
Walnuts (4/14)	3.2	2.8	2.4	2.2	3.0	2.6	2.3	2.0	3.1	2.7	2.4	2.1
Stone Fruit (3/8)	3.1	2.7	2.4	2.1	2.8	2.5	2.2	1.9	3.0	2.6	2.3	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	#124 Panoche				#2 Five Points				#15 Stratford			
Almonds 115 Trees/A	708	614	543	496	661	567	496	449	685	590	519	472
Pistachio 106 Trees/A	772	673	598	523	698	623	548	473	747	648	573	523
Citrus 110 Trees/A	518	444	395	346	469	420	370	321	494	444	395	346
Raisin Grapes 566 Vines/A	Assume all grape			67	Assume all grape			62	Assume all grape			62
Winegrapes 622 Vines/A	irrigation type is drip			70	irrigation type is drip			61	irrigation type is drip			65
Walnuts 76 Trees/A	1143	1000	857	786	1072	929	822	715	1108	965	857	750
Stonefruit 172 Trees/A	489	426	379	332	442	395	347	300	474	410	363	332

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