

Crops (Leafout Date)	#148 Merced				#39 Parlier				#258 Lemon Cove			
	06/13 - 06/19	Accum'd	06/20 - 06/26		06/13 - 06/19	Accum'd	06/20 - 06/26		06/13 - 06/19	Accum'd	06/20 - 06/26	
	Water	Seasonal	Estimated		Water	Seasonal	Estimated		Water	Seasonal	Estimated	
	Use	Water Use	ETc		Use	Water Use	ETc		Use	Water Use	ETc	
Almonds (3/1) *	1.93	17.74	1.98		2.11	18.88	1.96		2.02	17.54	1.96	
Pistachio (4/25) * **	2.08	9.81	2.12		2.26	10.79	2.10		2.17	10.18	2.10	
Citrus (2/1)	1.40	16.49	1.42		1.54	17.56	1.40		1.47	16.32	1.40	
Raisin Grapes (4/14) (11 ft. row spacing)	1.35	8.02	1.39		1.45	8.72	1.37		1.40	8.18	1.37	
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	1.47	8.09	1.52		1.60	8.84	1.50		1.54	8.32	1.50	
Walnuts (4/14)	1.59	9.46	1.77		1.76	10.38	1.75		1.68	9.76	1.75	
Stone Fruit (3/8)	1.59	11.60	1.71		1.76	12.63	1.69		1.68	11.77	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		

** 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.

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)	3.0	2.6	2.3	2.0	3.2	2.8	2.5	2.2	3.1	2.7	2.4	2.1
Pistachio (4/25)	3.2	2.8	2.4	2.2	3.5	3.0	2.7	2.4	3.3	2.9	2.6	2.3
Citrus (2/1)	2.2	1.9	1.6	1.5	2.4	2.1	1.8	1.6	2.3	2.0	1.7	1.5
Raisin Grapes (4/14) (11 ft. row spacing)	Assume all grape			1.4	Assume all grape			1.5	Assume all grape			1.5
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	irrigation type is drip			1.5	irrigation type is drip			1.7	irrigation type is drip			1.6
Walnuts (4/14)	2.4	2.1	1.9	1.7	2.7	2.3	2.1	1.9	2.6	2.2	2.0	1.8
Stone Fruit (3/8)	2.4	2.1	1.9	1.7	2.7	2.3	2.1	1.9	2.6	2.2	2.0	1.8

PAST WEEKLY APPLIED WATER IN GALLON PER TREE OR VINE

Crops	#148 Merced				#39 Parlier				#258 Lemon Cove			
Almonds 115 Trees/A	708	614	543	472	756	661	590	519	732	638	567	496
Pistachio 106 Trees/A	797	698	598	548	872	747	673	598	822	722	648	573
Citrus 110 Trees/A	543	469	395	370	592	518	444	395	568	494	420	370
Raisin Grapes 566 Vines/A	Assume all grape			67	Assume all grape			72	Assume all grape			72
Winegrapes 622 Vines/A	irrigation type is drip			65	irrigation type is drip			74	irrigation type is drip			70
Walnuts 76 Trees/A	857	750	679	607	965	822	750	679	929	786	715	643
Stonefruit 172 Trees/A	379	332	300	268	426	363	332	300	410	347	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) 06/13/25 through 06/19/25											
Crops (Leafout Date)	#124 Panoche				#2 Five Points				#15 Stratford		
	06/13- 06/19 Water Use	Accum'd Seasonal Water Use	06/20- 06/26 Estimated ETc		06/13- 06/19 Water Use	Accum'd Seasonal Water Use	06/20- 06/26 Estimated ETc		06/13- 06/19 Water Use	Accum'd Seasonal Water Use	06/20- 06/26 Estimated ETc
Almonds (3/1) *	2.18	18.70	2.19		2.33	19.43	2.23		2.36	20.60	2.23
Pistachio (4/25) * **	2.34	10.88	2.29		2.49	11.39	2.31		2.53	11.94	2.31
Citrus (2/1)	1.60	17.96	1.59		1.71	18.55	1.61		1.72	19.73	1.61
Raisin Grapes (4/14) (11 ft. row spacing)	1.50	8.81	1.53		1.61	9.25	1.55		1.64	9.75	1.55
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	1.62	8.88	1.65		1.75	9.27	1.67		1.78	9.80	1.67
Walnuts (4/14)	1.83	10.54	1.94		1.96	10.96	1.96		1.99	11.54	1.96
Stone Fruit (3/8)	1.83	12.72	1.88		1.96	13.14	1.90		1.99	13.83	1.90
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)	3.4	2.9	2.6	2.3	3.6	3.1	2.7	2.5	3.6	3.1	2.8	2.5
Pistachio (4/25)	3.6	3.1	2.8	2.5	3.8	3.3	2.9	2.6	3.9	3.4	3.0	2.7
Citrus (2/1)	2.5	2.1	1.9	1.7	2.6	2.3	2.0	1.8	2.6	2.3	2.0	1.8
Raisin Grapes (4/14) (11 ft. row spacing)	Assume all grape			1.6	Assume all grape			1.7	Assume all grape			1.7
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	irrigation type is drip			1.7	irrigation type is drip			1.8	irrigation type is drip			1.9
Walnuts (4/14)	2.8	2.4	2.2	1.9	3.0	2.6	2.3	2.1	3.1	2.7	2.3	2.1
Stone Fruit (3/8)	2.8	2.4	2.2	1.9	3.0	2.6	2.3	2.1	3.1	2.7	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	803	685	614	543	850	732	638	590	850	732	661	590
Pistachio 106 Trees/A	897	772	698	623	947	822	722	648	972	847	747	673
Citrus 110 Trees/A	617	518	469	420	642	568	494	444	642	568	494	444
Raisin Grapes 566 Vines/A	Assume all grape			77	Assume all grape			82	Assume all grape			82
Winegrapes 622 Vines/A	irrigation type is drip			74	irrigation type is drip			79	irrigation type is drip			83
Walnuts 76 Trees/A	1000	857	786	679	1072	929	822	750	1108	965	822	750
Stonefruit 172 Trees/A	442	379	347	300	474	410	363	332	489	426	363	332

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