

Crops (Leafout Date)	#148 Merced				#39 Parlier				#258 Lemon Cove			
	05/23 - 05/29	Accum'd	05/30 - 06/05		05/23 - 05/29	Accum'd	05/30 - 06/05		05/23 - 05/29	Accum'd	05/30 - 06/05	
	Water	Seasonal	Estimated		Water	Seasonal	Estimated		Water	Seasonal	Estimated	
	Use	Water Use	ETc		Use	Water Use	ETc		Use	Water Use	ETc	
Almonds (3/1) *	1.60	12.27	1.73		1.79	12.87	1.74		1.63	11.82	1.71	
Pistachio (4/25) * **	1.43	3.90	1.80		1.56	4.29	1.81		1.45	3.98	1.78	
Citrus (2/1)	1.18	12.40	1.29		1.30	13.07	1.30		1.20	12.07	1.27	
Raisin Grapes (4/14) (11 ft. row spacing)	1.09	4.19	1.23		1.20	4.51	1.24		1.11	4.18	1.22	
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	1.04	4.05	1.21		1.15	4.37	1.22		1.06	4.06	1.19	
Walnuts (4/14)	1.30	4.94	1.39		1.45	5.34	1.40		1.31	4.99	1.37	
Stone Fruit (3/8)	1.32	7.12	1.39		1.45	7.64	1.40		1.34	7.05	1.37	
† 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)	2.5	2.1	1.9	1.7	2.8	2.4	2.1	1.9	2.5	2.2	1.9	1.7
Pistachio (4/25)	2.2	1.9	1.7	1.5	2.4	2.1	1.8	1.6	2.2	1.9	1.7	1.5
Citrus (2/1)	1.8	1.6	1.4	1.2	2.0	1.7	1.5	1.4	1.8	1.6	1.4	1.3
Raisin Grapes (4/14) (11 ft. row spacing)	Assume all grape			1.1	Assume all grape			1.3	Assume all grape			1.2
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	irrigation type is drip			1.1	irrigation type is drip			1.2	irrigation type is drip			1.1
Walnuts (4/14)	2.0	1.7	1.5	1.4	2.2	1.9	1.7	1.5	2.0	1.7	1.5	1.4
Stone Fruit (3/8)	2.0	1.8	1.6	1.4	2.2	1.9	1.7	1.5	2.1	1.8	1.6	1.4

PAST WEEKLY APPLIED WATER IN GALLON PER TREE OR VINE

Crops	#148 Merced				#39 Parlier				#258 Lemon Cove			
Almonds 115 Trees/A	590	496	449	401	661	567	496	449	590	519	449	401
Pistachio 106 Trees/A	548	473	424	374	598	523	448	399	548	473	424	374
Citrus 110 Trees/A	444	395	346	296	494	420	370	346	444	395	346	321
Raisin Grapes 566 Vines/A	Assume all grape			53	Assume all grape			62	Assume all grape			58
Winegrapes 622 Vines/A	irrigation type is drip			48	irrigation type is drip			52	irrigation type is drip			48
Walnuts 76 Trees/A	715	607	536	500	786	679	607	536	715	607	536	500
Stonefruit 172 Trees/A	316	284	253	221	347	300	268	237	332	284	253	221

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)															
05/23/25 through 05/29/25															
Crops (Leafout Date)	#124 Panoche					#2 Five Points					#15 Stratford				
	05/23- 05/29	Accum'd	05/30- 06/05		05/23- 05/29	Accum'd	05/30- 06/05		05/23- 05/29	Accum'd	05/30- 06/05				
	Water	Seasonal	Estimated		Water	Seasonal	Estimated		Water	Seasonal	Estimated				
	Use	Water Use	ETc		Use	Water Use	ETc		Use	Water Use	ETc				
Almonds (3/1) *	1.76	12.71	1.85		1.78	13.05	1.91		1.94	13.97	1.92				
Pistachio (4/25) * **	1.54	4.38	1.98		1.57	4.50	2.04		1.70	4.79	2.05				
Citrus (2/1)	1.29	13.48	1.40		1.31	13.76	1.46		1.41	14.78	1.47				
Raisin Grapes (4/14) (11 ft. row spacing)	1.17	4.62	1.34		1.20	4.76	1.38		1.30	5.10	1.39				
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	1.12	4.49	1.31		1.14	4.58	1.35		1.24	4.93	1.35				
Walnuts (4/14)	1.42	5.50	1.50		1.43	5.58	1.56		1.55	5.95	1.57				
Stone Fruit (3/8)	1.43	7.75	1.50		1.45	7.82	1.56		1.56	8.33	1.57				
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)	2.7	2.3	2.1	1.9	2.7	2.4	2.1	1.9	3.0	2.6	2.3	2.0
Pistachio (4/25)	2.4	2.1	1.8	1.6	2.4	2.1	1.8	1.7	2.6	2.3	2.0	1.8
Citrus (2/1)	2.0	1.7	1.5	1.4	2.0	1.7	1.5	1.4	2.2	1.9	1.7	1.5
Raisin Grapes (4/14) (11 ft. row spacing)	Assume all grape			1.2	Assume all grape			1.3	Assume all grape			1.4
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	irrigation type is drip			1.2	irrigation type is drip			1.2	irrigation type is drip			1.3
Walnuts (4/14)	2.2	1.9	1.7	1.5	2.2	1.9	1.7	1.5	2.4	2.1	1.8	1.6
Stone Fruit (3/8)	2.2	1.9	1.7	1.5	2.2	1.9	1.7	1.5	2.4	2.1	1.8	1.6

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	638	543	496	449	638	567	496	449	708	614	543	472
Pistachio 106 Trees/A	598	523	448	399	598	523	448	424	648	573	498	448
Citrus 110 Trees/A	494	420	370	346	494	420	370	346	543	469	420	370
Raisin Grapes 566 Vines/A	Assume all grape			58	Assume all grape			62	Assume all grape			67
Winegrapes 622 Vines/A	irrigation type is drip			52	irrigation type is drip			52	irrigation type is drip			57
Walnuts 76 Trees/A	786	679	607	536	786	679	607	536	857	750	643	572
Stonefruit 172 Trees/A	347	300	268	237	347	300	268	237	379	332	284	253

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