

Crops (Leafout Date)	#148 Merced				#39 Parlier				#258 Lemon Cove			
	08/29 - 09/04	Accum'd Water Use	09/05 - 09/11 Seasonal Estimated ETc		08/29 - 09/04	Accum'd Water Use	09/05 - 09/11 Seasonal Estimated ETc		08/29 - 09/04	Accum'd Water Use	09/05 - 09/11 Seasonal Estimated ETc	
Almonds (3/1) *	1.65	39.07	1.48		1.73	40.71	1.44		1.74	38.73	1.39	
Pistachio (4/25) * **	1.67	31.80	1.47		1.73	33.32	1.43		1.75	32.03	1.38	
Citrus (2/1)	1.17	31.43	1.06		1.20	32.95	1.02		1.22	31.23	0.99	
Raisin Grapes (4/14) (11 ft. row spacing)	1.08	22.30	1.02		1.11	23.30	0.99		1.12	22.26	0.94	
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis) ***	1.24	24.26	1.14		1.29	25.40	1.11		1.30	24.34	1.06	
Walnuts (4/14)	1.67	30.85	1.55		1.73	32.30	1.51		1.74	30.99	1.44	
Stone Fruit (3/8)	1.67	32.33	1.55		1.73	33.92	1.51		1.75	32.38	1.46	
Past 7 days precipitation (inches)		0.00				0.02				0.05		
Accumulated precipitation (inches) (1/1/2025)		0.00				5.40				4.49		

** 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	2.2	1.9	1.7	2.7	2.3	2.0	1.8	2.7	2.3	2.0	1.8
Pistachio (4/25)	2.6	2.2	2.0	1.8	2.7	2.3	2.0	1.8	2.7	2.3	2.1	1.8
Citrus (2/1)	1.8	1.6	1.4	1.2	1.8	1.6	1.4	1.3	1.9	1.6	1.4	1.3
Raisin Grapes (4/14) (11 ft. row spacing)***	Assume all grape			1.1	Assume all grape			1.2	Assume all grape			1.2
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis) ***	irrigation type is drip			1.3	irrigation type is drip			1.4	irrigation type is drip			1.4
Walnuts (4/14)	2.6	2.2	2.0	1.8	2.7	2.3	2.0	1.8	2.7	2.3	2.0	1.8
Stone Fruit (3/8)	2.6	2.2	2.0	1.8	2.7	2.3	2.0	1.8	2.7	2.3	2.1	1.8

PAST WEEKLY APPLIED WATER IN GALLON PER TREE OR VINE

Crops	#148 Merced				#39 Parlier				#258 Lemon Cove			
Almonds 115 Trees/A	590	519	449	401	638	543	472	425	638	543	472	425
Pistachio 106 Trees/A	648	548	498	448	673	573	498	448	673	573	523	448
Citrus 110 Trees/A	444	395	346	296	444	395	346	321	469	395	346	321
Raisin Grapes 566 Vines/A	Assume all grape			53	Assume all grape			58	Assume all grape			58
Winegrapes 622 Vines/A	irrigation type is drip			57	irrigation type is drip			61	irrigation type is drip			61
Walnuts 76 Trees/A	929	786	715	643	965	822	715	643	965	822	715	643
Stonefruit 172 Trees/A	410	347	316	284	426	363	316	284	426	363	332	284

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

(Estimated Crop Evapotranspiration or ET_c)

08/29/25 through 09/04/25

Crops (Leafout Date)	#124 Panoche				#2 Five Points				#15 Stratford			
	08/29- 09/04 Water Use	Accum'd Seasonal Water Use	09/05- 09/11 Estimated ETc		08/29- 09/04 Water Use	Accum'd Seasonal Water Use	09/05- 09/11 Estimated ETc		08/29- 09/04 Water Use	Accum'd Seasonal Water Use	09/05- 09/11 Estimated ETc	
Almonds (3/1) *	2.00	41.58	1.52		2.08	42.73	1.68		2.00	44.32	1.66	
Pistachio (4/25) * **	2.06	34.54	1.51		2.15	35.42	1.66		2.06	36.40	1.64	
Citrus (2/1)	1.40	34.04	1.10		1.47	34.96	1.20		1.39	36.41	1.19	
Raisin Grapes (4/14) (11 ft. row spacing)	1.33	24.13	1.05		1.39	24.79	1.12		1.34	25.64	1.11	
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	1.52	26.25	1.17		1.59	26.95	1.30		1.52	27.79	1.28	
Walnuts (4/14)	2.00	33.54	1.59		2.09	34.31	1.74		2.00	35.34	1.72	
Stone Fruit (3/8)	2.06	35.13	1.59		2.15	35.98	1.74		2.06	37.12	1.72	
Past 7 days precipitation (inches)		0.01				0.02				0.00		
Accumulated precipitation (inches) (1/1/2025)		2.32				3.15				2.72		

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

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	#124 Panoche				#2 Five Points				#15 Stratford			
Almonds 115 Trees/A	732	638	567	496	756	661	567	519	732	638	567	496
Pistachio 106 Trees/A	797	673	598	548	822	722	623	573	797	673	598	548
Citrus 110 Trees/A	543	469	395	370	568	494	420	370	518	469	395	370
Raisin Grapes 566 Vines/A	Assume all grape			67	Assume all grape			72	Assume all grape			67
Winegrapes 622 Vines/A	irrigation type is drip			70	irrigation type is drip			74	irrigation type is drip			70
Walnuts 76 Trees/A	1108	965	857	750	1143	1000	893	786	1108	965	857	750
Stonefruit 172 Trees/A	505	426	379	347	521	458	395	363	505	426	379	347

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