

(Estimated Crop Evapotranspiration or ET_c)

06/20/25 through 06/26/25

Crops (Leafout Date)	#148 Merced				#39 Partier				#258 Lemon Cove			
	06/20 - 06/26	Accum'd	06/27 - 07/03		06/20 - 06/26	Accum'd	06/27 - 07/03		06/20 - 06/26	Accum'd	06/27 - 07/03	
	Water	Seasonal	Estimated		Water	Seasonal	Estimated		Water	Seasonal	Estimated	
	Use	Water Use	ETc		Use	Water Use	ETc		Use	Water Use	ETc	
Almonds (3/1) *	1.98	19.72	2.09		2.09	20.97	2.02		1.92	19.46	2.02	
Pistachio (4/25) * **	2.12	11.93	2.17		2.22	13.01	2.10		2.06	12.24	2.10	
Citrus (2/1)	1.42	17.91	1.47		1.51	19.07	1.40		1.40	17.72	1.40	
Raisin Grapes (4/14) (11 ft. row spacing)	1.39	9.41	1.43		1.45	10.17	1.37		1.34	9.52	1.37	
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	1.52	9.61	1.61		1.61	10.45	1.55		1.48	9.80	1.55	
Walnuts (4/14)	1.77	11.23	1.84		1.87	12.25	1.77		1.71	11.47	1.77	
Stone Fruit (3/8)	1.71	13.31	1.82		1.81	14.44	1.75		1.67	13.44	1.75	
Past 7 days precipitation (inches)		0.00				0.00				0.00		
Accumulated precipitation (inches) (1/1/2025)		0.00				5.35				4.44		

* 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)	3.0	2.6	2.3	2.1	3.2	2.8	2.5	2.2	3.0	2.6	2.3	2.0
Pistachio (4/25)	3.3	2.8	2.5	2.2	3.4	3.0	2.6	2.3	3.2	2.7	2.4	2.2
Citrus (2/1)	2.2	1.9	1.7	1.5	2.3	2.0	1.8	1.6	2.2	1.9	1.6	1.5
Raisin Grapes (4/14) (11 ft. row spacing)	Assume all grape			1.5	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)	2.7	2.4	2.1	1.9	2.9	2.5	2.2	2.0	2.6	2.3	2.0	1.8
Stone Fruit (3/8)	2.6	2.3	2.0	1.8	2.8	2.4	2.1	1.9	2.6	2.2	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	708	614	543	496	756	661	590	519	708	614	543	472
Pistachio 106 Trees/A	822	698	623	548	847	747	648	573	797	673	598	548
Citrus 110 Trees/A	543	469	420	370	568	494	444	395	543	469	395	370
Raisin Grapes 566 Vines/A	Assume all grape			72	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	965	857	750	679	1036	893	786	715	929	822	715	643
Stonefruit 172 Trees/A	410	363	316	284	442	379	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.