

WEEKLY SOIL MOISTURE LOSS IN INCHES (Estimated Crop Evapotranspiration or ET _c) 04/25/25 through 05/01/25												
Crops (Leafout Date)	#148 Merced				#39 Parlier				#258 Lemon Cove			
	04/25 - 05/01 Water Use	Accum'd Seasonal Water Use	05/02 - 05/08 Estimated ETc		04/25 - 05/01 Water Use	Accum'd Seasonal Water Use	05/02 - 05/08 Estimated ETc		04/25 - 05/01 Water Use	Accum'd Seasonal Water Use	05/02 - 05/08 Estimated ETc	
Almonds (3/1) *	1.15	6.45	1.27		0.93	6.48	1.28		0.84	5.88	1.36	
Pistachio (4/25) * **	0.20	0.20	0.46		0.19	0.19	0.47		0.17	0.17	0.50	
Citrus (2/1)	0.95	7.98	1.05		0.79	8.18	1.05		0.73	7.51	1.09	
Raisin Grapes (4/14) (11 ft. row spacing)	0.39	0.77	0.51		0.33	0.76	0.51		0.31	0.70	0.56	
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	0.40	0.86	0.54		0.35	0.86	0.54		0.31	0.77	0.57	
Walnuts (4/14)	0.50	0.72	0.79		0.49	0.74	0.80		0.45	0.71	0.84	
Stone Fruit (3/8)	0.74	2.88	0.82		0.61	2.98	0.83		0.54	2.70	0.87	
Past 7 days precipitation (inches)	0.00				0.11				0.15			
Accumulated precipitation (inches) (1/1/2025)	0.00				5.33				4.41			
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 atrip 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)	1.8	1.5	1.4	1.2	1.4	1.2	1.1	1.0	1.3	1.1	1.0	0.9
Pistachio (4/25)	0.3	0.3	0.2	0.2	0.3	0.3	0.2	0.2	0.3	0.2	0.2	0.2
Citrus (2/1)	1.5	1.3	1.1	1.0	1.2	1.1	0.9	0.8	1.1	1.0	0.9	0.8
Raisin Grapes (4/14) (11 ft. row spacing)***	Assume all grape			0.4	Assume all grape			0.3	Assume all grape			0.3
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis) ***	irrigation type is drip			0.4	irrigation type is drip			0.4	irrigation type is drip			0.3
Walnuts (4/14)	0.8	0.7	0.6	0.5	0.8	0.7	0.6	0.5	0.7	0.6	0.5	0.5
Stone Fruit (3/8)	1.1	1.0	0.9	0.8	0.9	0.8	0.7	0.6	0.8	0.7	0.6	0.6
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	#148 Merced				#39 Parlier				#258 Lemon Cove			
Almonds 115 Trees/A	425	354	331	283	331	283	260	236	307	260	236	213
Pistachio 106 Trees/A	75	75	50	50	75	75	50	50	75	50	50	50
Citrus 110 Trees/A	370	321	272	247	296	272	222	197	272	247	222	197
Raisin Grapes 566 Vines/A	Assume all grape			19	Assume all grape			14	Assume all grape			14
Winegrapes 622 Vines/A	irrigation type is drip			17	irrigation type is drip			17	irrigation type is drip			13
Walnuts 76 Trees/A	286	250	214	179	286	250	214	179	250	214	179	179
Stonefruit 172 Trees/A	174	158	142	126	142	126	111	95	126	111	95	95
For further information concerning all counties receiving this report, contact the Fresno Co. Farm Advisor's office at (559) 241-7526.												

Dates in parentheses above, indicate leaf out or starting date for ET accumulation for the specific crop

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