HEALTHY FOOD SYSTEMS • HEALTHY ENVIRONMENTS • HEALTHY COMMUNITIES • HEALTHY CALIFORNIANS

University of California
Agriculture and Natural Resources
Making a Difference for California

UCCE

UCCE/DWR Weekly Crop Water Use Report

WEEKLY SOIL MOISTURE LOSS IN INCHES

(Estimated Crop Evapotranspiration or ET_C)

10/03/25 through 10/09/25

Crops (Leafout Date)	#148 Merced			#39 Parlier			#258 Lemon Cove		
	10/03 - 10/09 Water Use	Accum'd Seasonal Water Use	10/10 - 10/16 Estimated ETc	10/03 - 10/09 Water Use	Accum'd Seasonal Water Use	10/10 - 10/16 Estimated ETc	10/03 - 10/09 Water Use	Accum'd Seasonal Water Use	10/10 - 10/16 Estimated ETc
Almonds (3/1) *	0.91	45.08	0.78	0.97	46.54	0.78	0.96	44.45	0.81
Pistachio (4/25) * **	0.83	37.42	0.73	0.89	38.81	0.72	0.89	37.42	0.76
Citrus (2/1)	0.75	35.92	0.66	0.78	37.32	0.65	0.77	35.54	0.72
Raisin Grapes (4/14) (11 ft. row spacing)	0.71	26.53	0.62	0.74	27.42	0.61	0.72	26.30	0.67
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis) ***	0.77	28.99	0.71	0.82	30.02	0.71	0.82	28.88	0.74
Walnuts (4/14)	0.83	36.60	0.62	0.89	37.90	0.62	0.89	36.46	0.67
Stone Fruit (3/8)	0.99	38.83	0.73	1.06	40.23	0.72	1.05	38.57	0.79
Past 7 days precipitation (inches)		0.00			0.00			0.00	
Accumulated precipitation (inches) (1/1/2025)		0.00			5.46			4.92	

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	#148 Merced				#39 Parlier				#258 Lemon Cove			
System Efficiency >>	65%	75%	85%	95%	65%	75%	85%	95%	65%	75%	85%	95%
Almonds (3/1)	1.4	1.2	1.1	1.0	1.5	1.3	1.1	1.0	1.5	1.3	1.1	1.0
Pistachio (4/25)	1.3	1.1	1.0	0.9	1.4	1.2	1.0	0.9	1.4	1.2	1.0	0.9
Citrus (2/1)	1.2	1.0	0.9	0.8	1.2	1.0	0.9	0.8	1.2	1.0	0.9	0.8
Raisin Grapes (4/14) (11 ft. row spacing)***	Assume all grape			0.7	Assume all grape			0.8	Assume all grape			0.8
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis) ***	irrigation type is drip			0.8	irrigation type is drip			0.9	irrigation type is drip			0.9
Walnuts (4/14)	1.3	1.1	1.0	0.9	1.4	1.2	1.0	0.9	1.4	1.2	1.0	0.9
Stone Fruit (3/8)	1.5	1.3	1.2	1.0	1.6	1.4	1.2	1.1	1.6	1.4	1.2	1.1

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	#148 Merced				#39 Parlier				#258 Lemon Cove			
Almonds 115 Trees/A	331	283	260	236	354	307	260	236	354	307	260	236
Pistachio 106 Trees/A	324	274	249	224	349	299	249	224	349	299	249	224
Citrus 110 Trees/A	296	247	222	197	296	247	222	197	296	247	222	197
Raisin Grapes 566 Vines/A	Assume all grape			34	Assume all grape			38	Assume all grape			38
Winegrapes 622 Vines/A	irrigation type is drip			35	irrigation type is drip			39	irrigation type is drip			39
Walnuts 76 Trees/A	464	393	357	322	500	429	357	322	500	429	357	322
Stonefruit 172 Trees/A	237	205	189	158	253	221	189	174	253	221	189	174

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

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10/03/25 through 10/09/25

Crops (Leafout Date)	#124 Panoche			#2 Five Points			#15 Stratford		
	10/03- 10/09 Water Use	Accum'd Seasonal Water Use	10/10- 10/16 Estimated ETc	10/03- 10/09 Water Use	Accum'd Seasonal Water Use	10/10- 10/16 Estimated ETc	10/03- 10/09 Water Use	Accum'd Seasonal Water Use	10/10- 10/16 Estimated ETc
Almonds (3/1) *	1.00	47.50	0.85	1.06	49.12	0.94	1.08	50.80	0.89
Pistachio (4/25) * **	0.92	40.12	0.80	0.98	41.46	0.89	1.00	42.53	0.84
Citrus (2/1)	0.81	38.47	0.76	0.85	39.72	0.79	0.86	41.24	0.77
Raisin Grapes (4/14) (11 ft. row spacing)	0.75	28.30	0.71	0.80	29.29	0.77	0.82	30.23	0.75
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	0.84	30.95	0.77	0.89	32.04	0.85	0.91	32.95	0.81
Walnuts (4/14)	0.92	39.23	0.70	0.98	40.45	0.78	1.00	41.57	0.73
Stone Fruit (3/8)	1.09	41.48	0.83	1.17	42.85	0.86	1.18	44.09	0.84
Past 7 days precipitation (inches)		0.00			0.00			0.00	
Accumulated precipitation (inches) (1/1/2025)		2.44			3.23			3.24	

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

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Almonds (3/1)	1.5	1.3	1.2	1.1	1.6	1.4	1.2	1.1	1.7	1.4	1.3	1.1
Pistachio (4/25)	1.4	1.2	1.1	1.0	1.5	1.3	1.2	1.0	1.5	1.3	1.2	1.1
Citrus (2/1)	1.2	1.1	1.0	0.9	1.3	1.1	1.0	0.9	1.3	1.1	1.0	0.9
Raisin Grapes (4/14) (11 ft. row spacing)	Assume all grape			0.8	Assume all grape			0.8	Assume all grape			0.9
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	irrigation type is drip			0.9	irrigation type is drip			0.9	irrigation type is drip			1.0
Walnuts (4/14)	1.4	1.2	1.1	1.0	1.5	1.3	1.2	1.0	1.5	1.3	1.2	1.1
Stone Fruit (3/8)	1.7	1.5	1.3	1.1	1.8	1.6	1.4	1.2	1.8	1.6	1.4	1.2

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Pistachio 106 Trees/A	349	299	274	249	374	324	299	249	374	324	299	274
Citrus 110 Trees/A	296	272	247	222	321	272	247	222	321	272	247	222
Raisin Grapes 566 Vines/A	Assume all grape			38	Assume all grape			38	Assume all grape			43
Winegrapes 622 Vines/A	irrigation type is drip			39	irrigation type is drip			39	irrigation type is drip			44
Walnuts 76 Trees/A	500	429	393	357	536	464	429	357	536	464	429	393
Stonefruit 172 Trees/A	268	237	205	174	284	253	221	189	284	253	221	189

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