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)

07/04/25 through 07/10/25

Crops (Leafout Date)	#148 Merced			#39 Parlier			#258 Lemon Cove		
	07/04 - 07/10 Water Use	Accum'd Seasonal Water Use	07/11 - 07/17 Estimated ETc	07/04 - 07/10 Water Use	Accum'd Seasonal Water Use	07/11 - 07/17 Estimated ETc	07/04 - 07/10 Water Use	Accum'd Seasonal Water Use	07/11 - 07/17 Estimated ETc
Almonds (3/1) *	2.10	23.91	2.07	2.12	25.29	2.00	2.08	23.68	2.03
Pistachio (4/25) * **	2.17	16.27	2.14	2.19	17.48	2.07	2.15	16.61	2.10
Citrus (2/1)	1.47	20.85	1.44	1.49	22.14	1.40	1.45	20.69	1.40
Raisin Grapes (4/14) (11 ft. row spacing)	1.43	12.23	1.40	1.44	13.05	1.34	1.40	12.32	1.37
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	1.61	12.78	1.58	1.62	13.71	1.52	1.59	12.97	1.55
Walnuts (4/14)	1.96	15.03	2.01	1.98	16.18	1.94	1.94	15.30	1.97
Stone Fruit (3/8)	1.91	17.04	2.00	1.93	18.30	1.93	1.89	17.20	1.96
Past 7 days precipitation (inches)		0.00			0.00			0.00	
Accumulated precipitation (inches) (1/1/2025)		0.00			5.35			4.44	

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)	3.2	2.8	2.5	2.2	3.3	2.8	2.5	2.2	3.2	2.8	2.4	2.2
Pistachio (4/25)	3.3	2.9	2.6	2.3	3.4	2.9	2.6	2.3	3.3	2.9	2.5	2.3
Citrus (2/1)	2.3	2.0	1.7	1.5	2.3	2.0	1.8	1.6	2.2	1.9	1.7	1.5
Raisin Grapes (4/14) (11 ft. row spacing)	Assume all grape			1.5	Assume all grape			1.5	Assume all grape			1.5
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	irrigation type is drip			1.7	irrigation type is drip			1.7	irrigation type is drip			1.7
Walnuts (4/14)	3.0	2.6	2.3	2.1	3.0	2.6	2.3	2.1	3.0	2.6	2.3	2.0
Stone Fruit (3/8)	2.9	2.5	2.2	2.0	3.0	2.6	2.3	2.0	2.9	2.5	2.2	2.0

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	756	661	590	519	779	661	590	519	756	661	567	519
Pistachio 106 Trees/A	822	722	648	573	847	722	648	573	822	722	623	573
Citrus 110 Trees/A	568	494	420	370	568	494	444	395	543	469	420	370
Raisin Grapes 566 Vines/A	Assume all grape			72	Assume all grape			72	Assume all grape			72
Winegrapes 622 Vines/A	irrigation type is drip			74	irrigation type is drip			74	irrigation type is drip			74
Walnuts 76 Trees/A	1072	929	822	750	1072	929	822	750	1072	929	822	715
Stonefruit 172 Trees/A	458	395	347	316	474	410	363	316	458	395	347	316

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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07/04/25 through 07/10/25

Crops (Leafout Date)	#124 Panoche			#2 Five Points			#15 Stratford		
	07/04- 07/10 Water Use	Accum'd Seasonal Water Use	07/11- 07/17 Estimated ETc	07/04- 07/10 Water Use	Accum'd Seasonal Water Use	07/11- 07/17 Estimated ETc	07/04- 07/10 Water Use	Accum'd Seasonal Water Use	07/11- 07/17 Estimated ETc
Almonds (3/1) *	2.11	25.06	2.10	2.27	26.27	2.17	2.29	27.57	2.20
Pistachio (4/25) * **	2.18	17.52	2.17	2.34	18.48	2.24	2.36	19.14	2.27
Citrus (2/1)	1.47	22.47	1.47	1.61	23.41	1.54	1.62	24.67	1.57
Raisin Grapes (4/14) (11 ft. row spacing)	1.43	13.10	1.43	1.51	13.83	1.43	1.53	14.43	1.45
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	1.61	13.69	1.61	1.73	14.42	1.66	1.73	15.04	1.67
Walnuts (4/14)	1.97	16.29	2.04	2.13	17.14	2.11	2.15	17.85	2.14
Stone Fruit (3/8)	1.92	18.34	2.03	2.11	19.22	2.10	2.13	20.03	2.16
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

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System Efficiency >>	65%	75%	85%	95%	65%	75%	85%	95%	65%	75%	85%	95%
Almonds (3/1)	3.2	2.8	2.5	2.2	3.5	3.0	2.7	2.4	3.5	3.1	2.7	2.4
Pistachio (4/25)	3.4	2.9	2.6	2.3	3.6	3.1	2.8	2.5	3.6	3.1	2.8	2.5
Citrus (2/1)	2.3	2.0	1.7	1.5	2.5	2.1	1.9	1.7	2.5	2.2	1.9	1.7
Raisin Grapes (4/14) (11 ft. row spacing)	Assume all grape			1.5	Assume all grape			1.6	Assume all grape			1.6
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	irrigation type is drip			1.7	irrigation type is drip			1.8	irrigation type is drip			1.8
Walnuts (4/14)	3.0	2.6	2.3	2.1	3.3	2.8	2.5	2.2	3.3	2.9	2.5	2.3
Stone Fruit (3/8)	3.0	2.6	2.3	2.0	3.2	2.8	2.5	2.2	3.3	2.8	2.5	2.2

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Almonds 115 Trees/A	756	661	590	519	826	708	638	567	826	732	638	567
Pistachio 106 Trees/A	847	722	648	573	897	772	698	623	897	772	698	623
Citrus 110 Trees/A	568	494	420	370	617	518	469	420	617	543	469	420
Raisin Grapes 566 Vines/A	Assume all grape			72	Assume all grape			77	Assume all grape			77
Winegrapes 622 Vines/A	irrigation type is drip			74	irrigation type is drip			79	irrigation type is drip			79
Walnuts 76 Trees/A	1072	929	822	750	1179	1000	893	786	1179	1036	893	822
Stonefruit 172 Trees/A	474	410	363	316	505	442	395	347	521	442	395	347

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