Making a Difference for California

#### University of California Agriculture and Natural Resources



### UCCE/DWR Weekly Crop Water Use Report

## WEEKLY SOIL MOISTURE LOSS IN INCHES (Estimated Crop Evapotranspiration or ET<sub>C</sub>)

08/01/25 through 08/07/25

Crops (Leafout Date)	#148 Merced  08/01 - 08/07 Accum'd 08/08 - 08/14				#39 Parlier		#25	8 Lemon C	ove
	08/01 - 08/07	Accum'd	08/08 - 08/14	08/01 - 08/07	Accum'd	08/08 - 08/14	08/01 - 08/07	Accum'd	08/08 - 08/14
	Water	Seasonal	Estimated	Water	Seasonal	Estimated	Water	Seasonal	Estimated
	Use	Water Use	ETc	Use	Water Use	ETc	Use	Water Use	ETc
Almonds (3/1) *	1.95	31.96	1.89	2.03	33.48	1.82	1.94	31.55	1.79
Pistachio (4/25) * **	2.02	24.60	1.96	2.10	25.95	1.82	2.00	24.72	1.79
Citrus (2/1)	1.39	26.48	1.33	1.42	27.89	1.26	1.37	26.21	1.23
Raisin Grapes (4/14) (11 ft. row spacing)	1.30	17.65	1.25	1.37	18.56	1.19	1.29	17.56	1.16
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis) ***	1.48	18.91	1.43	1.55	19.96	1.37	1.47	18.95	1.34
Walnuts (4/14)	2.09	23.44	2.03	2.17	24.73	1.89	2.07	23.49	1.86
Stone Fruit (3/8)	2.02	25.13	1.96	2.10	26.55	1.82	2.00	25.07	1.79
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

PAST WEEKLY APPLIED WATER IN INCHES, ADJUSTED FOR EFFICIENCY 1

Crops		#148 Merce	d			#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	3.1	2.7	2.4	2.1	3.0	2.6	2.3	2.0
Pistachio (4/25)	3.1	2.7	2.4	2.1	3.2	2.8	2.5	2.2	3.1	2.7	2.4	2.1
Citrus (2/1)	2.1	1.9	1.6	1.5	2.2	1.9	1.7	1.5	2.1	1.8	1.6	1.4
Raisin Grapes (4/14) (11 ft. row spacing)***	As	sume all gra	pe	1.4	Assume all grape 1.4			1.4	Assume all grape			1.4
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis) ***	irrig	ation type is	drip	1.6	irrigation type is drip		1.6	irrigation type is drip		drip	1.5	
Walnuts (4/14)	3.2	2.8	2.5	2.2	3.3	2.9	2.6	2.3	3.2	2.8	2.4	2.2
Stone Fruit (3/8)	3.1	2.7	2.4	2.1	3.2	2.8	2.5	2.2	3.1	2.7	2.4	2.1

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%.

DAST WEEKI V	APPLIED WATER	IN CALLON PED	TREE OR VINE

Crops		#148 Merce	d			#39 Parlier			#258 Lemon Cove			
Almonds 115 Trees/A	708	614	543	496	732	638	567	496	708	614	543	472
Pistachio 106 Trees/A	772	673	598	523	797	698	623	548	772	673	598	523
Citrus 110 Trees/A	518	469	395	370	543	469	420	370	518	444	395	346
Raisin Grapes 566 Vines/A	Assume all grape			67	Assume all grape 67			Assume all grape			67	
Winegrapes 622 Vines/A	irrig	gation type is	drip	70	irrigation type is drip 70			irrigation type is drip			65	
Walnuts 76 Trees/A	1143	1000	893	786	1179	1036	929	822	1143	1000	857	786
Stonefruit 172 Trees/A	489	426	379	332	505	442	395	347	489	426	379	332
For further information concerning all counties receiving this report, contact	t the Fresno C	o. Farm Advis	or's office at	(559) 241-75	526.							

<sup>\*</sup> Estimates are for orchard floor conditions where vegetation is managed by some combination of arip 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.

<sup>\*\*</sup> 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.

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### UCCE/DWR Weekly Crop Water Use Report

#### WEEKLY SOIL MOISTURE LOSS IN INCHES

(Estimated Crop Evapotranspiration or  $ET_C$ ) 08/01/25 through 08/07/25

Crops (Leafout Date)	#	124 Panoch	e	#2 Five Points			#15 Stratford			
	08/01- 08/07	Accum'd	08/08- 08/14	08/01- 08/07	Accum'd	08/08- 08/14	08/01- 08/07	Accum'd	08/08- 08/14	
	Water	Seasonal	Estimated	Water	Seasonal	Estimated	Water	Seasonal	Estimated	1
	Use	Water Use	ETc	Use	Water Use	ETc	Use	Water Use	ETc	
Almonds (3/1) *	2.08	33.18	1.89	2.14	34.88	2.03	2.15	36.28	2.03	
Pistachio (4/25) * **	2.15	25.92	1.96	2.21	27.35	2.10	2.22	28.10	2.10	İ
Citrus (2/1)	1.46	28.18	1.33	1.51	29.45	1.40	1.52	30.78	1.40	1
Raisin Grapes (4/14) (11 ft. row spacing)	1.39	18.53	1.25	1.42	19.57	1.37	1.44	20.25	1.37	1
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	1.59	19.86	1.43	1.64	20.98	1.55	1.65	21.66	1.55	1
Walnuts (4/14)	2.22	24.77	2.03	2.28	26.09	2.17	2.29	26.89	2.17	1
Stone Fruit (3/8)	2.15	26.51	1.96	2.21	27.91	2.10	2.22	28.82	2.10	
Past 7 days precipitation (inches)		0.00			0.00			0.00		
Accumulated precipitation (inches) (1/1/2025)		2.31			3.13			2.72		1

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

<sup>\*\*</sup> 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												
Crops		he	#2 Five Points									
System Efficiency>>	65%	75%	85%	95%	65%	75%	85%	95%	65%	75%	85%	95%
Almonds (3/1)	3.2	2.8	2.4	2.2	3.3	2.9	2.5	2.3	3.3	2.9	2.5	2.3
Pistachio (4/25)	3.3	2.9	2.5	2.3	3.4	2.9	2.6	2.3	3.4	3.0	2.6	2.3
Citrus (2/1)	2.2	1.9	1.7	1.5	2.3	2.0	1.8	1.6	2.3	2.0	1.8	1.6
Raisin Grapes (4/14) (11 ft. row spacing)	As	ssume all gra	pe	1.5	Assume all grape 1			1.5	A	1.5		
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	irrig	ation type is	drip	1.7	irrig	gation type is	drip	1.7	irrigation type is drip		1.7	
Walnuts (4/14)	3.4	3.0	2.6	2.3	3.5	3.0	2.7	2.4	3.5	3.1	2.7	2.4
Stone Fruit (3/8)	3.3	2.9	2.5	2.3	3.4	2.9	2.6	2.3	3.4	3.0	2.6	2.3

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 W	VATER IN G	GALLON PER	TREE OR	VINE					
Crops	#124 Panoche				#2 Five Points				#15 Stratford			
Almonds 115 Trees/A	756	661	567	519	779	685	590	543	779	685	590	543
Pistachio 106 Trees/A	822	722	623	573	847	722	648	573	847	747	648	573
Citrus 110 Trees/A	543	469	420	370	568	494	444	395	568	494	444	395
Raisin Grapes 566 Vines/A	As	ssume all gra	pe	72	Assume all grape 72			72	A	72		
Winegrapes 622 Vines/A	irrig	ation type is	drip	74	irrigation type is drip			74	irrigation type is drip			74
Walnuts 76 Trees/A	1215	1072	929	822	1251	1072	965	857	1251	1108	965	857
Stonefruit 172 Trees/A	521	458	395	363	537	458	410	363	537	474	410	363
For further information concerning all counties receiving this report, contact	t the Fresno C	o. Farm Advi:	sor's office at	(559) 241-7	526.							

<sup>\*</sup> 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.