### HEALTHY FOOD SYSTEMS . HEALTHY ENVIRONMENTS . HEALTHY COMMUNITIES . HEALTHY CALIFORNIANS

### University of California

**Agriculture and Natural Resources** 



# UCCE/DWR Weekly Crop Water Use Report

Making a Difference for California

WEEKLY SOIL MOISTURE LOSS IN INCHES												
(Estimated Crop Evapotranspiration or $ET_{C}$ )												
06/20/25 through 06/26/25												
Crops (Leafout Date)	#	#148 Merced	1			#39 Parlier			#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		

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 <sup>1</sup>													
Crops	#148 Merced					#39 Parlier							
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)	As	ssume all gra	pe	1.5	Assume all grape 1			1.5	A	1.4			
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	irrig	ation type is	drip	1.6	irrig	irrigation type is drip		1.7	irrigation type is drip		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%.

	PAS	T WEEKLY	APPLIED W	ATER IN G	GALLON PER	R TREE OR	VINE					
Crops	#148 Merced				#39 Parlier							
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	irrig	gation type is	drip	70	irrigation type is drip			74	irrig	gation 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	t the Fresno C	o. Farm Advis	sor's office at	(559) 241-75	526.							

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# UCCE/DWR Weekly Crop Water Use Report

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#### WEEKLY SOIL MOISTURE LOSS IN INCHES (Estimated Crop Evapotranspiration or ET<sub>C</sub>) 06/20/25 through 06/26/25

Crops (Leafout Date)	#	124 Panoch	e		#2 Five Points			#2 Five Points			#2 Five Points			#15 Stratford				#15 Stratford			
	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) *	2.09	20.79	2.16		2.30	21.73	2.24		2.32	22.92	2.24										
Pistachio (4/25) * **	2.22	13.10	2.24		2.40	13.79	2.31		2.41	14.35	2.31										
Citrus (2/1)	1.51	19.47	1.54		1.63	20.18	1.61		1.65	21.38	1.61										
Raisin Grapes (4/14) (11 ft. row spacing)	1.46	10.27	1.49		1.59	10.84	1.55		1.61	11.36	1.55										
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	1.59	10.47	1.61		1.73	11.00	1.67		1.74	11.54	1.67										
Walnuts (4/14)	1.87	12.41	1.91		2.03	12.99	1.98		2.06	13.60	1.98	1									
Stone Fruit (3/8)	1.81	14.53	1.89		1.97	15.11	1.96		1.99	15.82	1.96										
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

\* 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	#124 Panoche					#2 Five Poi	nts						
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	3.1	2.7	2.4	3.6	3.1	2.7	2.4	
Pistachio (4/25)	3.4	3.0	2.6	2.3	3.7	3.2	2.8	2.5	3.7	3.2	2.8	2.5	
Citrus (2/1)	2.3	2.0	1.8	1.6	2.5	2.2	1.9	1.7	2.5	2.2	1.9	1.7	
Raisin Grapes (4/14) (11 ft. row spacing)	As	sume all gra	ipe	1.5	Assume all grape			1.7	Assume all grape			1.7	
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	irrig	ation type is	drip	1.7	irrigation type is drip		1.8	irrigation type is drip		drip	1.8		
Walnuts (4/14)	2.9	2.5	2.2	2.0	3.1	2.7	2.4	2.1	3.2	2.7	2.4	2.2	
Stone Fruit (3/8)	2.8	2.4	2.1	1.9	3.0	2.6	2.3	2.1	3.1	2.7	2.3	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%.

	PAST	WEEKLY	APPLIED W	ATER IN G	GALLON PEI	R TREE OR	VINE					
Crops		#124 Panoc	he			#2 Five Poi	nts					
Almonds 115 Trees/A	756	661	590	519	826	732	638	567	850	732	638	567
Pistachio 106 Trees/A	847	747	648	573	922	797	698	623	922	797	698	623
Citrus 110 Trees/A	568	494	444	395	617	543	469	420	617	543	469	420
Raisin Grapes 566 Vines/A	As	sume all gra	ape	72	Assume all grape 82			82	A	82		
Winegrapes 622 Vines/A	irrig	ation type is	drip	74	irrigation type is drip 79			79	irrig	79		
Walnuts 76 Trees/A	1036	893	786	715	1108	965	857	750	1143	965	857	786
Stonefruit 172 Trees/A	442	379	332	300	474	410	363	332	489	426	363	332
For further information concerning all counties receiving this report, contact	et the Fresno C	o. Farm Adv	isor's office a	t (559) 241-7	7526.							