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



UCCE/DWR Weekly Crop Water Use Report

WEEKLY SOIL MOISTURE LOSS IN INCHES

(Estimated Crop Evapotranspiration or ET_C) 07/11/25 through 07/17/25

Crops (Leafout Date)	#	#148 Merced			#39 Parlier			#258 Lemon Cove		
	07/11 - 07/17	Accum'd	07/18 - 07/24		07/11 - 07/17	Accum'd	07/18 - 07/24	07/11 - 07/17	Accum'd	07/18 - 07/24
	Water	Seasonal	Estimated		Water	Seasonal	Estimated	Water	Seasonal	Estimated
	Use	Water Use	ETc		Use	Water Use	ETc	Use	Water Use	ETc
Almonds (3/1) *	2.07	25.98	2.03		2.14	27.43	1.96	2.06	25.74	1.96
Pistachio (4/25) * **	2.14	18.41	2.10		2.21	19.69	2.03	2.13	18.74	2.03
Citrus (2/1)	1.44	22.29	1.40		1.51	23.65	1.40	1.44	22.13	1.40
Raisin Grapes (4/14) (11 ft. row spacing)	1.40	13.63	1.37		1.44	14.48	1.31	1.38	13.69	1.31
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	1.58	14.37	1.55		1.64	15.35	1.49	1.57	14.54	1.49
Walnuts (4/14)	2.01	17.04	2.17		2.08	18.26	2.10	2.00	17.30	2.10
Stone Fruit (3/8)	2.00	19.04	2.00		2.09	20.39	1.93	1.99	19.19	1.93
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.

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I ASI WEEKLI AIILEE	, water in inches.	ADJUSTED FUN EFFICIENCY

Crops		d			#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	2.4	2.2	3.3	2.9	2.5	2.3	3.2	2.7	2.4	2.2
Pistachio (4/25)	3.3	2.9	2.5	2.3	3.4	2.9	2.6	2.3	3.3	2.8	2.5	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	1.7	1.5
Raisin Grapes (4/14) (11 ft. row spacing)	As	sume all gra	pe	1.5	Assume all grape 1.5			1.5	Assume all grape			1.4
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	irrig	ation type is	drip	1.7	irrigation type is drip			1.7	irrigation type is drip		drip	1.7
Walnuts (4/14)	3.1	2.7	2.4	2.1	3.2	2.8	2.4	2.2	3.1	2.7	2.4	2.1
Stone Fruit (3/8)	3.1	2.7	2.4	2.1	3.2	2.8	2.5	2.2	3.1	2.7	2.3	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 WATER IN GALLON PER TREE OR VINE

Crops		#148 Merce	ed			#39 Parlier			#258 Lemon Cove			
Almonds 115 Trees/A	756	661	567	519	779	685	590	543	756	638	567	519
Pistachio 106 Trees/A	822	822 722 623		573	847	722	648	573	822	698	623	548
Citrus 110 Trees/A	543	469	420	370	568	494	444	395	543	469	420	370
Raisin Grapes 566 Vines/A	Assume all grape			72	Assume all grape 72			72	Assume all grape			67
Winegrapes 622 Vines/A	irrig	ation type is	drip	74	irrigation type is drip 74			74	irrigation type is drip			74
Walnuts 76 Trees/A	1108	965	857	750	1143	1000	857	786	1108	965	857	750
Stonefruit 172 Trees/A	489	426	379	332	505	442	395	347	489	426	363	332
For further information concerning all counties receiving this report, contact	et the Fresno C	o. Farm Advi	sor's office at	(559) 241-7	526.							

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Crops (Leafout Date)	#	#124 Panoche			#2 Five Points			#15 Stratford			
	07/11- 07/17	Accum'd	07/18- 07/24		07/11- 07/17	Accum'd	07/18- 07/24	07/11- 07/17	Accum'd	07/18- 07/24	
	Water	Seasonal	Estimated		Water	Seasonal	Estimated	Water	Seasonal	Estimated	
	Use	Water Use	ETc		Use	Water Use	ETc	Use	Water Use	ETc	
Almonds (3/1) *	2.10	27.16	2.08		2.29	28.56	2.17	2.33	29.90	2.17	
Pistachio (4/25) * **	2.17	19.69	2.15		2.34	20.82	2.24	2.37	21.51	2.24	
Citrus (2/1)	1.49	23.96	1.45		1.60	25.01	1.54	1.62	26.29	1.54	
Raisin Grapes (4/14) (11 ft. row spacing)	1.40	14.50	1.41		1.52	15.35	1.43	1.54	15.97	1.43	
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	1.59	15.27	1.59		1.72	16.14	1.67	1.73	16.77	1.67	
Walnuts (4/14)	2.04	18.33	2.22		2.21	19.35	2.31	2.24	20.09	2.31	
Stone Fruit (3/8)	2.04	20.38	2.05		2.25	21.47	2.14	2.28	22.31	2.14	
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

^{**} 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 WE	EKLY APPI	LIED WATE	R IN INCHE	S, ADJUSTI	ED FOR EFI	FICIENCY 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	2.5
Pistachio (4/25)	3.3	2.9	2.6	2.3	3.6	3.1	2.8	2.5	3.6	3.2	2.8	2.5
Citrus (2/1)	2.3	2.0	1.8	1.6	2.5	2.1	1.9	1.7	2.5	2.2	1.9	1.7
Raisin Grapes (4/14) (11 ft. row spacing)	A	ssume all gra	ape	1.5	Assume all grape			1.6	Assume all grape			1.6
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	irrig	gation type is	drip	1.7	irrig	gation type is	s drip	1.8	irrigation type is drip			1.8
Walnuts (4/14)	3.1	2.7	2.4	2.1	3.4	2.9	2.6	2.3	3.4	3.0	2.6	2.4
Stone Fruit (3/8)	3.1	2.7	2.4	2.1	3.5	3.0	2.6	2.4	3.5	3.0	2.7	2.4

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Pistachio 106 Trees/A	822	722	648	573	897	772	698	623	897	797	698	623
Citrus 110 Trees/A	568	494	444	395	617	518	469	420	617	543	469	420
Raisin Grapes 566 Vines/A	As	sume all gra	ipe	72	Assume all grape 77			77	Assume all grape			77
Winegrapes 622 Vines/A	irrig	ation type is	drip	74	irrigation type is drip 79			79	irrigation type is drip			79
Walnuts 76 Trees/A	1108	965	857	750	1215	1036	929	822	1215	1072	929	857
Stonefruit 172 Trees/A	489	426	379	332	553	474	410	379	553	474	426	379
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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