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) 09/19/25 through 09/25/25

Crops (Leafout Date)	#148 Merced			#39 Parlier			#258 Lemon Cove		
	09/19 - 09/25	Accum'd	09/26 - 10/02	09/19 - 09/25	Accum'd	09/26 - 10/02	09/19 - 09/25	Accum'd	09/26 - 10/02
	Water	Seasonal	Estimated	Water	Seasonal	Estimated	Water	Seasonal	Estimated
	Use	Water Use	ETc	Use	Water Use	ETc	Use	Water Use	ETc
Almonds (3/1) *	1.19	43.09	1.08	1.10	44.53	1.07	1.09	42.47	1.05
Pistachio (4/25) * **	1.11	35.62	0.97	1.04	36.98	0.96	1.03	35.61	0.94
Citrus (2/1)	0.90	34.37	0.80	0.84	35.74	0.79	0.83	33.98	0.77
Raisin Grapes (4/14) (11 ft. row spacing)	0.82	25.05	0.77	0.77	25.93	0.77	0.77	24.84	0.77
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis) ***	0.94	27.37	0.86	0.88	28.37	0.85	0.88	27.25	0.83
Walnuts (4/14)	1.13	34.77	1.00	1.07	36.05	0.99	1.05	34.63	0.97
Stone Fruit (3/8)	1.32	36.62	1.22	1.23	38.01	1.21	1.22	36.39	1.19
Past 7 days precipitation (inches)		0.00			0.00			0.29	
Accumulated precipitation (inches) (1/1/2025)		0.00			5.40			4.78	

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 Merced					#39 Parlier			#258 Lemon Cove			
System Efficiency >>	65%	75%	85%	95%	65%	75%	85%	95%	65%	75%	85%	95%
Almonds (3/1)	1.8	1.6	1.4	1.3	1.7	1.5	1.3	1.2	1.7	1.5	1.3	1.1
Pistachio (4/25)	1.7	1.5	1.3	1.2	1.6	1.4	1.2	1.1	1.6	1.4	1.2	1.1
Citrus (2/1)	1.4	1.2	1.1	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)***	As	sume all gra	pe	0.9	Assume all grape 0.8			0.8	Assume all grape			0.8
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis) ***	irrig	ation type is	drip	1.0	irrigation type is drip		drip	0.9	irrigation type is drip		drip	0.9
Walnuts (4/14)	1.7	1.5	1.3	1.2	1.6	1.4	1.3	1.1	1.6	1.4	1.2	1.1
Stone Fruit (3/8)	2.0	1.8	1.6	1.4	1.9	1.6	1.4	1.3	1.9	1.6	1.4	1.3

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 WATER IN GALLON PER TREE OR VINE

Crops		ed		#39 Parlier			#258 Lemon Cove					
Almonds 115 Trees/A	425	378	331	307	401	354	307	283	401	354	307	260
Pistachio 106 Trees/A	424	374	324	299	399	349	299	274	399	349	299	274
Citrus 110 Trees/A	346	296	272	222	321	272	247	222	321	272	247	222
Raisin Grapes 566 Vines/A	Assume all grape			43	Assume all grape 38			Assume all grape			38	
Winegrapes 622 Vines/A	irrig	gation type is	drip	44	irrigation type is drip 39			irrigation type is drip			39	
Walnuts 76 Trees/A	607	536	464	429	572	500	464	393	572	500	429	393
Stonefruit 172 Trees/A	316	284	253	221	300	253	221	205	300	253	221	205
For further information concerning all counties receiving this report, contact	ct the Fresno C	Co. Farm Adv	isor's office a	t (559) 241-7	7526.			_	_		_	

^{*} 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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(Estimated Crop Evapotranspiration or ET_C) 09/19/25 through 09/25/25

Crops (Leafout Date)	#124 Panoche				#2 Five Points			#15 Stratford			
	09/19- 09/25	Accum'd	09/26- 10/02		09/19- 09/25	Accum'd	09/26- 10/02	09/19- 09/25	Accum'd	09/26- 10/02	
	Water	Seasonal	Estimated		Water	Seasonal	Estimated	Water	Seasonal	Estimated	
	Use	Water Use	ETc		Use	Water Use	ETc	Use	Water Use	ETc	
Almonds (3/1) *	1.17	45.59	1.13		1.26	47.03	1.23	1.25	48.60	1.18	
Pistachio (4/25) * **	1.10	38.38	1.07		1.19	39.54	1.18	1.18	40.50	1.13	
Citrus (2/1)	0.89	36.97	0.90		0.94	38.08	0.98	0.94	39.53	0.96	
Raisin Grapes (4/14) (11 ft. row spacing)	0.83	26.90	0.82		0.90	27.75	0.92	0.89	28.59	0.88	
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	0.94	29.38	0.94		1.01	30.31	1.04	1.00	31.14	0.99	
Walnuts (4/14)	1.11	37.46	1.07		1.20	38.52	1.18	1.19	39.53	1.13	
Stone Fruit (3/8)	1.28	39.39	1.32		1.38	40.53	1.43	1.36	41.64	1.38	
Past 7 days precipitation (inches)		0.08		-		0.06			0.39		
Accumulated precipitation (inches) (1/1/2025)		2.44				3.21			3.24		

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 WEI	EKLY APPL	IED WATE	R IN INCHE	ES, ADJUSTI	ED FOR EFF	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)	1.8	1.6	1.4	1.2	1.9	1.7	1.5	1.3	1.9	1.7	1.5	1.3
Pistachio (4/25)	1.7	1.5	1.3	1.2	1.8	1.6	1.4	1.3	1.8	1.6	1.4	1.2
Citrus (2/1)	1.4	1.2	1.0	0.9	1.4	1.3	1.1	1.0	1.4	1.3	1.1	1.0
Raisin Grapes (4/14) (11 ft. row spacing)	As	ssume all gra	ipe	0.9	Assume all grape 0.9			0.9	As	ipe	0.9	
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	irrig	ation type is	drip	1.0	irrigation type is drip		1.1	irrigation type is		drip	1.1	
Walnuts (4/14)	1.7	1.5	1.3	1.2	1.8	1.6	1.4	1.3	1.8	1.6	1.4	1.3
Stone Fruit (3/8)	2.0	1.7	1.5	1.3	2.1	1.8	1.6	1.5	2.1	1.8	1.6	1.4

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	T WEEKLY	APPLIED W	ATER IN C	GALLON PEI	R TREE OR	VINE					
Crops		#124 Panoc	che			#2 Five Poi	nts					
Almonds 115 Trees/A	425	378	331	283	449	401	354	307	449	401	354	307
Pistachio 106 Trees/A	424	374	324	299	448	399	349	324	448	399	349	299
Citrus 110 Trees/A	346	296	247	222	346	321	272	247	346	321	272	247
Raisin Grapes 566 Vines/A	A	ssume all gra	ape	43	Assume all grape 43			43	As	43		
Winegrapes 622 Vines/A	irrig	gation type is	drip	44	irrigation type is drip			48	irrigation type is drip		s drip	48
Walnuts 76 Trees/A	607	536	464	429	643	572	500	464	643	572	500	464
Stonefruit 172 Trees/A	316	268	237	205	332	284	253	237	332	284	253	221
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