### University of California Agriculture and Natural Resources





## UCCE/DWR Weekly Crop Water Use Report

#### WEEKLY SOIL MOISTURE LOSS IN INCHES

(Estimated Crop Evapotranspiration or  $ET_C$ ) 10/10/25 through 10/16/25

Crops (Leafout Date)	#148 Merced			#39 Parlier			#258 Lemon Cove			
	10/10 - 10/16	Accum'd	10/17 - 10/23	10/10 - 10/16	Accum'd	10/17 - 10/23	10/10 - 10/16	Accum'd	10/17 - 10/23	
	Water	Seasonal	Estimated	Water	Seasonal	Estimated	Water	Seasonal	Estimated	
	Use	Water Use	ETc	Use	Water Use	ETc	Use	Water Use	ETc	
Almonds (3/1) *	0.78	45.86	0.67	0.62	47.16	0.67	0.57	45.02	0.73	
Pistachio (4/25) * **	0.73	38.15	0.57	0.59	39.40	0.57	0.53	37.95	0.63	
Citrus (2/1)	0.66	36.58	0.56	0.53	37.85	0.56	0.48	36.02	0.59	
Raisin Grapes (4/14) (11 ft. row spacing)	0.62	27.15	0.51	0.51	27.93	0.51	0.44	26.74	0.56	
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis) ***	0.71	29.71	0.63	0.57	30.59	0.63	0.54	29.42	0.68	
Walnuts (4/14)	0.62	37.22	0.39	0.53	38.43	0.39	0.48	36.94	0.42	
Stone Fruit (3/8)	0.73	39.56	0.60	0.58	40.81	0.60	0.52	39.09	0.66	
Past 7 days precipitation (inches)		0.00			1.22			1.24		
Accumulated precipitation (inches) (1/1/2025)		0.00			6.68			6.16		

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.

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)	1.2	1.0	0.9	8.0	1.0	0.8	0.7	0.7	0.9	0.8	0.7	0.6	
Pistachio (4/25)	1.1	1.0	0.9	0.8	0.9	0.8	0.7	0.6	0.8	0.7	0.6	0.6	
Citrus (2/1)	1.0	0.9	0.8	0.7	0.8	0.7	0.6	0.6	0.7	0.6	0.6	0.5	
Raisin Grapes (4/14) (11 ft. row spacing)***	As	sume all gra	pe	0.7	Assume all grape 0.5			0.5	Assume all grape			0.5	
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis) ***	irrig	ation type is	drip	0.8	irrigation type is drip			0.6	irrigation type is drip			0.6	
Walnuts (4/14)	1.0	0.8	0.7	0.7	0.8	0.7	0.6	0.6	0.7	0.6	0.6	0.5	
Stone Fruit (3/8)	1.1	1.0	0.9	0.8	0.9	0.8	0.7	0.6	0.8	0.7	0.6	0.5	

<sup>1</sup> 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	283 236 213		189	236	189	165	165	213	189	165	142	
Pistachio 106 Trees/A	274	249	224	199	224	199	174	149	199	174	149	149
Citrus 110 Trees/A	247	222	197	173	197	173	148	148	173	148	148	123
Raisin Grapes 566 Vines/A	Assume all grape			34	Assume all grape 24			24	Assume all grape			24
Winegrapes 622 Vines/A	irrig	ation type is	drip	35	irrigation type is drip 26			26	irrigation type is drip			26
Walnuts 76 Trees/A	357	286	250	250	286	250	214	214	250	214	214	179
Stonefruit 172 Trees/A	174	158	142	126	142	126	111	95	126	111	95	79
For further information concerning all counties receiving this report, contact the Fresno Co. Farm Advisor's office at (559) 241-7526.												

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

# 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  $ET_C$ ) 10/10/25 through 10/16/25

Crops (Leafout Date)	#	#124 Panoche			#2 Five Points			#15 Stratford				
	10/10- 10/16	Accum'd	10/17- 10/23		10/10- 10/16	Accum'd	10/17- 10/23	10/10- 10/16	Accum'd	10/17- 10/23		
	Water	Seasonal	Estimated		Water	Seasonal	Estimated	Water	Seasonal	Estimated		
	Use	Water Use	ETc		Use	Water Use	ETc	Use	Water Use	ETc		
Almonds (3/1) *	0.74	48.24	0.77		0.74	49.86	0.80	0.62	51.42	0.78		
Pistachio (4/25) * **	0.70	40.82	0.67		0.69	42.15	0.73	0.59	43.12	0.69		
Citrus (2/1)	0.62	39.09	0.66		0.62	40.34	0.73	0.53	41.77	0.69		
Raisin Grapes (4/14) (11 ft. row spacing)	0.58	28.87	0.62		0.59	29.88	0.68	0.51	30.74	0.65		
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	0.67	31.62	0.71		0.67	32.71	0.74	0.57	33.52	0.72		
Walnuts (4/14)	0.63	39.86	0.45		0.64	41.09	0.49	0.55	42.12	0.47		
Stone Fruit (3/8)	0.67	42.15	0.73		0.66	43.51	0.79	0.58	44.67	0.76		
Past 7 days precipitation (inches)		1.27				0.79			0.72			
Accumulated precipitation (inches) (1/1/2025)		3.71				4.02			3.96			

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 WEE	KLY APPL	IED WATE	R IN INCHE	ES, ADJUST	ED FOR EF	FICIENCY	1				
Crops		#124 Pano	che			#2 Five Poi	ints					
System Efficiency >>	65%	75%	85%	95%	65%	75%	85%	95%	65%	75%	85%	95%
Almonds (3/1)	1.1	1.0	0.9	0.8	1.1	1.0	0.9	0.8	1.0	0.8	0.7	0.7
Pistachio (4/25)	1.1	0.9	0.8	0.7	1.1	0.9	0.8	0.7	0.9	0.8	0.7	0.6
Citrus (2/1)	1.0	0.8	0.7	0.7	1.0	0.8	0.7	0.7	0.8	0.7	0.6	0.6
Raisin Grapes (4/14) (11 ft. row spacing)	As	ssume all gr	ape	0.6	Assume all grape			0.6	Assume all grape			0.5
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	irrig	irrigation type is drip			irrigation type is drip			0.7	irrigation type is drip			0.6
Walnuts (4/14)	1.0	0.8	0.7	0.7	1.0	0.9	0.8	0.7	0.8	0.7	0.6	0.6
Stone Fruit (3/8)	1.0	0.9	0.8	0.7	1.0	0.9	0.8	0.7	0.9	0.8	0.7	0.6

<sup>1</sup> 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		#124 Panoc	he			<b>#2 Five Poi</b>	nts						
Almonds 115 Trees/A	260	236	213	189	260	236	213	189	236	189	165	165	
Pistachio 106 Trees/A	274	224	199	174	274	224	199	174	224	199	174	149	
Citrus 110 Trees/A	247	197	173	173	247	197	173	173	197	173	148	148	
Raisin Grapes 566 Vines/A	As	ssume all gra	ape	29	Assume all grape 29			29	As	24			
Winegrapes 622 Vines/A	irrig	ation type is	drip	31	irrigation type is drip 31			31	irrigation type is drip			26	
Walnuts 76 Trees/A	357	286	250	250	357	322	286	250	286	250	214	214	
Stonefruit 172 Trees/A	158	142	126	111	158	142	126	111	142	126	111	95	
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