## 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  $ET_C$ ) 09/12/25 through 09/18/25

Crops (Leafout Date)	#	148 Merced	l	#39 Parlier			#258 Lemon Cove			
	09/12 - 09/18	Accum'd	09/19 - 09/25	09/12 - 09/18	Accum'd	09/19 - 09/25		09/12 - 09/18	Accum'd	09/19 - 09/25
	Water	Seasonal	Estimated	Water	Seasonal	Estimated		Water	Seasonal	Estimated
	Use	Water Use	ETc	Use	Water Use	ETc		Use	Water Use	ETc
Almonds (3/1) *	1.35	41.90	1.19	1.26	43.43	1.16		1.25	41.38	1.07
Pistachio (4/25) * **	1.24	34.51	1.11	1.17	35.94	1.08		1.16	34.58	0.99
Citrus (2/1)	0.98	33.47	0.90	0.90	34.90	0.87		0.91	33.15	0.78
Raisin Grapes (4/14) (11 ft. row spacing)	0.91	24.23	0.82	0.86	25.16	0.80		0.85	24.06	0.77
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis) ***	1.03	26.43	0.94	0.97	27.49	0.92		0.96	26.38	0.84
Walnuts (4/14)	1.24	33.64	1.13	1.16	34.98	1.12		1.15	33.58	1.06
Stone Fruit (3/8)	1.42	35.30	1.32	1.33	36.78	1.29		1.32	35.17	1.20
Past 7 days precipitation (inches)		0.00			0.00				0.00	
Accumulated precipitation (inches) (1/1/2025)		0.00			5.40				4.49	

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	ed			#39 Parlier			#258 Lemon Cove			
System Efficiency >>	65%	75%	85%	95%	65%	75%	85%	95%	65%	75%	85%	95%
Almonds (3/1)	2.1	1.8	1.6	1.4	1.9	1.7	1.5	1.3	1.9	1.7	1.5	1.3
Pistachio (4/25)	1.9	1.7	1.5	1.3	1.8	1.6	1.4	1.2	1.8	1.5	1.4	1.2
Citrus (2/1)	1.5	1.3	1.2	1.0	1.4	1.2	1.1	0.9	1.4	1.2	1.1	1.0
Raisin Grapes (4/14) (11 ft. row spacing)***	As	sume all gra	pe	1.0	Assume all grape 0.9			0.9	Assume all grape			0.9
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis) ***	irrig	ation type is	drip	1.1	irrigation type is drip		1.0	irrigation type is drip		drip	1.0	
Walnuts (4/14)	1.9	1.7	1.5	1.3	1.8	1.5	1.4	1.2	1.8	1.5	1.4	1.2
Stone Fruit (3/8)	2.2	1.9	1.7	1.5	2.0	1.8	1.6	1.4	2.0	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 WEEKLY APPLIED WATER IN GALLON PER TREE OR VINE

Crops	#148 Merced					#39 Parlier			#258 Lemon Cove			
Almonds 115 Trees/A	496	425	378	331	449	401	354	307	449	401	354	307
Pistachio 106 Trees/A	473	424	374	324	448	399	349	299	448	374	349	299
Citrus 110 Trees/A	370	321	296	247	346	296	272	222	346	296	272	247
Raisin Grapes 566 Vines/A	As	ssume all gra	ipe	48	Assume all grape 43			43	Assume all grape			43
Winegrapes 622 Vines/A	irrig	ation type is	drip	48	irrigation type is drip		44	irrigation type is drip		drip	44	
Walnuts 76 Trees/A	679	607	536	464	643	536	500	429	643	536	500	429
Stonefruit 172 Trees/A	347	300	268	237	316	284	253	221	316	284	253	221

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 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.

<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.

### 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  $ET_C$ ) 09/12/25 through 09/18/25

Crops (Leafout Date)	#124 Panoche			#2 Five Points			#15 Stratford			
	09/12- 09/18	Accum'd	09/19- 09/25	09/12- 09/18	Accum'd	09/19- 09/25	09/12- 09/18	Accum'd	09/19- 09/25	
	Water	Seasonal	Estimated	Water	Seasonal	Estimated	Water	Seasonal	Estimated	
	Use	Water Use	ETc	Use	Water Use	ETc	Use	Water Use	ETc	
Almonds (3/1) *	1.32	44.42	1.28	1.42	45.77	1.38	1.43	47.35	1.36	
Pistachio (4/25) * **	1.23	37.28	1.20	1.33	38.35	1.30	1.34	39.32	1.28	
Citrus (2/1)	0.95	36.08	0.98	1.03	37.14	1.02	1.04	38.59	1.00	
Raisin Grapes (4/14) (11 ft. row spacing)	0.90	26.07	0.90	0.97	26.85	0.99	0.98	27.70	0.97	
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	1.02	28.44	1.02	1.11	29.30	1.11	1.11	30.13	1.09	
Walnuts (4/14)	1.23	36.35	1.20	1.33	37.32	1.30	1.34	38.34	1.28	
Stone Fruit (3/8)	1.39	38.11	1.41	1.49	39.15	1.51	1.50	40.28	1.49	
Past 7 days precipitation (inches)		0.04			0.00			0.13		
Accumulated precipitation (inches) (1/1/2025)		2.36			3.15			2.85		

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 WEI	EKLY APPL	IED WATE	R IN INCHE	ES, ADJUSTI	ED FOR EFF	FICIENCY 1					
Crops		#124 Panoc	he			#2 Five Poi	nts					
System Efficiency >>	65%	75%	85%	95%	65%	75%	85%	95%	65%	75%	85%	95%
Almonds (3/1)	2.0	1.8	1.6	1.4	2.2	1.9	1.7	1.5	2.2	1.9	1.7	1.5
Pistachio (4/25)	1.9	1.6	1.4	1.3	2.0	1.8	1.6	1.4	2.1	1.8	1.6	1.4
Citrus (2/1)	1.5	1.3	1.1	1.0	1.6	1.4	1.2	1.1	1.6	1.4	1.2	1.1
Raisin Grapes (4/14) (11 ft. row spacing)	As	ssume all gra	ipe	0.9	Assume all grape 1			1.0	As	ape	1.0	
Winegrapes (4/14) (10 ft. spacing on California Sprawl Trellis)	irrig	gation type is	drip	1.1	irrig	irrigation type is drip		1.2	irrigation type is dri		drip	1.2
Walnuts (4/14)	1.9	1.6	1.4	1.3	2.0	1.8	1.6	1.4	2.1	1.8	1.6	1.4
Stone Fruit (3/8)	2.1	1.9	1.6	1.5	2.3	2.0	1.8	1.6	2.3	2.0	1.8	1.6

<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	T WEEKLY.	APPLIED W	ATER IN G	GALLON PEI	R TREE OR	VINE					
Crops		#124 Panoc	che			#2 Five Poi	ints					
Almonds 115 Trees/A	472	425	378	331	519	449	401	354	519	449	401	354
Pistachio 106 Trees/A	473	399	349	324	498	448	399	349	523	448	399	349
Citrus 110 Trees/A	370	321	272	247	395	346	296	272	395	346	296	272
Raisin Grapes 566 Vines/A	A	ssume all gra	ape	43	Assume all grape 48			48	Assume all grape			48
Winegrapes 622 Vines/A	irrig	gation type is	drip	48	irrigation type is drip			52	irrigation type is drip		drip	52
Walnuts 76 Trees/A	679	572	500	464	715	643	572	500	750	643	572	500
Stonefruit 172 Trees/A	332	300	253	237	363	316	284	253	363	316	284	253
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.							

<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.