

**WEEKLY SOIL MOISTURE LOSS IN INCHES**  
(Estimated Crop Evapotranspiration or ET<sub>c</sub>)  
07/01/22 through 07/07/22

Crops (Leafout Date)	#148 Merced			#39 Parlier			#258 Lemon Cove		
	7/1- 7/7 Water Use	Accum'd Seasonal Water Use	7/8- 7/14 Estimated ETc	7/1- 7/7 Water Use	Accum'd Seasonal Water Use	7/8- 7/14 Estimated ETc	7/1- 7/7 Water Use	Accum'd Seasonal Water Use	7/8- 7/14 Estimated ETc
Almonds (3/1) *	2.00	24.14	2.10	2.08	24.77	2.01	1.96	23.52	2.03
Pistachio (4/8) * **	2.07	18.79	2.17	2.15	19.38	2.08	2.03	18.34	2.10
Citrus (2/1)	1.21	20.83	1.26	1.27	21.35	1.24	1.17	20.45	1.26
Raisin Grapes (3/15) (11 ft. row spacing)	1.34	12.62	1.43	1.39	13.02	1.35	1.31	12.26	1.37
Winegrapes (3/15) (10 ft. spacing on California Sprawl Trellis)	1.51	13.34	1.61	1.58	13.72	1.53	1.48	12.99	1.55
Walnuts (4/8)	2.14	19.28	2.24	2.22	19.95	2.15	2.10	18.92	2.17
Stone Fruit (3/10 )	1.73	17.28	2.03	1.80	17.71	1.94	1.72	16.83	1.96
Past 7 days precipitation (inches)	0.00			0.00			0.00		
Accumulated precipitation (inches) (1/1/2022)	1.98			1.84			1.82		

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				#258 Lemon Cove			
	65%	75%	85%	95%	65%	75%	85%	95%	65%	75%	85%	95%
System Efficiency >>												
Almonds (3/1)	3.1	2.7	2.4	2.1	3.2	2.8	2.4	2.2	3.0	2.6	2.3	2.1
Pistachio (4/8)	3.2	2.8	2.4	2.2	3.3	2.9	2.5	2.3	3.1	2.7	2.4	2.1
Citrus (2/1)	1.9	1.6	1.4	1.3	2.0	1.7	1.5	1.3	1.8	1.6	1.4	1.2
Raisin Grapes (3/15) (11 ft. row spacing)	Assume all grape			1.4	Assume all grape			1.5	Assume all grape			1.4
Winegrapes (3/15) (10 ft. spacing on California Sprawl Trellis)	irrigation type is drip			1.6	irrigation type is drip			1.7	irrigation type is drip			1.6
Walnuts (4/8)	3.3	2.9	2.5	2.3	3.4	3.0	2.6	2.3	3.2	2.8	2.5	2.2
Stone Fruit (3/10 )	2.7	2.3	2.0	1.8	2.8	2.4	2.1	1.9	2.6	2.3	2.0	1.8

<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 Merced				#39 Parlier				#258 Lemon Cove			
	Almonds 115 Trees/A	732	638	567	496	756	661	567	519	708	614	543
Pistachio 106 Trees/A	797	698	598	548	822	722	623	573	772	673	598	523
Citrus 110 Trees/A	469	395	346	321	494	420	370	321	444	395	346	296
Raisin Grapes 566 Vines/A	Assume all grape			67	Assume all grape			72	Assume all grape			67
Winegrapes 622 Vines/A	irrigation type is drip			70	irrigation type is drip			74	irrigation type is drip			70
Walnuts 76 Trees/A	1179	1036	893	822	1215	1072	929	822	1143	1000	893	786
Stonefruit 172 Trees/A	426	363	316	284	442	379	332	300	410	363	316	284

For further information concerning all counties receiving this report, contact the Fresno Co. Farm Advisor's office at (559) 241-7526.

**WEEKLY SOIL MOISTURE LOSS IN INCHES**  
(Estimated Crop Evapotranspiration or ET<sub>c</sub>)  
07/01/22 through 07/07/22

Crops (Leafout Date)	#124 Panoche				#2 Five Points				#15 Stratford		
	7/1- 7/7 Water Use	Accum'd Seasonal Water Use	7/8- 7/14 Estimated ETc		7/1- 7/7 Water Use	Accum'd Seasonal Water Use	7/8- 7/14 Estimated ETc		7/1- 7/7 Water Use	Accum'd Seasonal Water Use	7/8- 7/14 Estimated ETc
Almonds (3/1) *	2.22	27.38	2.10		2.20	28.45	2.17		2.26	28.88	2.22
Pistachio (4/8) * **	2.29	21.04	2.17		2.27	21.78	2.24		2.33	22.11	2.29
Citrus (2/1)	1.37	23.30	1.26		1.35	24.32	1.33		1.40	24.39	1.38
Raisin Grapes (3/15 ) (11 ft. row spacing)	1.48	14.05	1.43		1.47	14.60	1.43		1.50	14.82	1.47
Winegrapes (3/15) (10 ft. spacing on California Sprawl Trellis)	1.68	14.84	1.61		1.67	15.33	1.67		1.72	15.60	1.71
Walnuts (4/8)	2.36	21.66	2.24		2.34	22.47	2.31		2.40	22.87	2.36
Stone Fruit (3/10)	1.94	19.33	2.03		1.92	20.05	2.10		1.98	20.34	2.20
Past 7 days precipitation (inches)	0.00				0.00				0.00		
Accumulated precipitation (inches) (1/1/2022)	1.23				1.11				1.30		

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	#124 Panoche					#2 Five Points					#15 Stratford			
	65%	75%	85%	95%		65%	75%	85%	95%		65%	75%	85%	95%
System Efficiency >>	65%	75%	85%	95%		65%	75%	85%	95%		65%	75%	85%	95%
Almonds (3/1)	3.4	3.0	2.6	2.3		3.4	2.9	2.6	2.3		3.5	3.0	2.7	2.4
Pistachio (4/8)	3.5	3.1	2.7	2.4		3.5	3.0	2.7	2.4		3.6	3.1	2.7	2.5
Citrus (2/1)	2.1	1.8	1.6	1.4		2.1	1.8	1.6	1.4		2.2	1.9	1.6	1.5
Raisin Grapes (3/15 ) (11 ft. row spacing)	Assume all grape			1.6		Assume all grape			1.5		Assume all grape			1.6
Winegrapes (3/15) (10 ft. spacing on California Sprawl Trellis)	irrigation type is drip			1.8		irrigation type is drip			1.8		irrigation type is drip			1.8
Walnuts (4/8)	3.6	3.1	2.8	2.5		3.6	3.1	2.8	2.5		3.7	3.2	2.8	2.5
Stone Fruit (3/10)	3.0	2.6	2.3	2.0		3.0	2.6	2.3	2.0		3.0	2.6	2.3	2.1

<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 Panoche					#2 Five Points					#15 Stratford			
	803	708	614	543		803	685	614	543		826	708	638	567
Almonds 115 Trees/A	803	708	614	543		803	685	614	543		826	708	638	567
Pistachio 106 Trees/A	872	772	673	598		872	747	673	598		897	772	673	623
Citrus 110 Trees/A	518	444	395	346		518	444	395	346		543	469	395	370
Raisin Grapes 566 Vines/A	Assume all grape			77		Assume all grape			72		Assume all grape			77
Winegrapes 622 Vines/A	irrigation type is drip			79		irrigation type is drip			79		irrigation type is drip			79
Walnuts 76 Trees/A	1286	1108	1000	893		1286	1108	1000	893		1322	1143	1000	893
Stonefruit 172 Trees/A	474	410	363	316		474	410	363	316		474	410	363	332

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