

WEEKLY SOIL MOISTURE LOSS IN INCHES														
(Estimated Crop Evapotranspiration or ET _C)														
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 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)	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
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	732	638	567	496		756	661	567	519		708	614	543	496
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.														

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Crops	#124 Panoche				#2 Five Points				#15 Stratford			
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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