

WEEKLY SOIL MOISTURE LOSS IN INCHES (Estimated Crop Evapotranspiration or ET _c) 06/12/20 through 06/18/20												
Crops (Leafout Date)	#148 Merced				#39 Parlier				#258 Lemon Cove			
	6/12 - 6/18 Water Use	Accum'd Seasonal Water Use	6/19 - 6/25 Estimated ETc		6/12 - 6/18 Water Use	Accum'd Seasonal Water Use	6/19 - 6/25 Estimated ETc		6/12 - 6/18 Water Use	Accum'd Seasonal Water Use	6/19 - 6/25 Estimated ETc	
Almonds (3/5) *	1.91	17.56	1.97		1.96	17.50	1.96		1.88	16.33	1.96	
Pistachio (4/13) * **	2.05	9.89	2.11		2.10	9.90	2.10		2.02	9.43	2.10	
Citrus (2/1)	1.25	17.23	1.26		1.29	16.83	1.26		1.22	15.86	1.26	
Raisin Grapes (3/16) (11 ft. row spacing)	1.57	9.39	1.55		1.61	9.43	1.54		1.56	9.01	1.54	
Winegrapes (3/16) (10 ft. spacing on California Sprawl Trellis) ***	1.69	9.86	1.75		1.73	9.81	1.75		1.67	9.33	1.75	
Walnuts (4/8)	1.63	10.94	1.70		1.67	10.94	1.69		1.60	10.42	1.69	
Stone Fruit (3/10)	1.63	11.80	1.64		1.67	11.77	1.63		1.60	11.08	1.63	
Past 7 days precipitation (inches)	0.00				0.00				0.00			
Accumulated precipitation (inches) (1/1/2020)	5.05				4.80				5.61			
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			
	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 (3/5)	2.9	2.5	2.2	2.0	3.0	2.6	2.3	2.1	2.9	2.5	2.2	2.0
Pistachio (4/13)	3.2	2.7	2.4	2.2	3.2	2.8	2.5	2.2	3.1	2.7	2.4	2.1
Citrus (2/1)	1.9	1.7	1.5	1.3	2.0	1.7	1.5	1.4	1.9	1.6	1.4	1.3
Raisin Grapes (3/16) (11 ft. row spacing)***	2.4	2.1	1.8	1.7	2.5	2.1	1.9	1.7	2.4	2.1	1.8	1.6
Winegrapes (3/16) (10 ft. spacing on California Sprawl Trellis) ***	2.6	2.3	2.0	1.8	2.7	2.3	2.0	1.8	2.6	2.2	2.0	1.8
Walnuts (4/8)	2.5	2.2	1.9	1.7	2.6	2.2	2.0	1.8	2.5	2.1	1.9	1.7
Stone Fruit (3/10)	2.5	2.2	1.9	1.7	2.6	2.2	2.0	1.8	2.5	2.1	1.9	1.7
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			
	685	590	519	472	708	614	543	496	685	590	519	472
Almonds 115 Trees/A	685	590	519	472	708	614	543	496	685	590	519	472
Pistachio 106 Trees/A	797	673	598	548	797	698	623	548	772	673	598	523
Citrus 110 Trees/A	469	420	370	321	494	420	370	346	469	395	346	321
Raisin Grapes 566 Vines/A	115	101	86	82	120	101	91	82	115	101	86	77
Winegrapes 622 Vines/A	114	100	87	79	118	100	87	79	114	96	87	79
Walnuts 76 Trees/A	893	786	679	607	929	786	715	643	893	750	679	607
Stonefruit 172 Trees/A	395	347	300	268	410	347	316	284	395	332	300	268

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 _c) 06/12/20 through 06/18/20												
Crops (Leafout Date)	#124 Panoche				#2 Five Points				#15 Stratford			
	6/12- 6/18 Water Use	Accum'd Seasonal Water Use	6/19- 6/25 Estimated ETc		6/12- 6/18 Water Use	Accum'd Seasonal Water Use	6/19- 6/25 Estimated ETc		6/12- 6/18 Water Use	Accum'd Seasonal Water Use	6/19- 6/25 Estimated ETc	
Almonds (3/5) *	2.21	18.45	2.10		2.08	19.35	2.18		2.15	19.76	2.18	
Pistachio (4/13) * **	2.36	10.54	2.24		2.22	10.81	2.31		2.29	11.15	2.31	
Citrus (2/1)	1.44	17.81	1.33		1.35	18.77	1.40		1.40	18.92	1.40	
Raisin Grapes (3/16) (11 ft. row spacing)	1.82	9.50	1.68		1.71	9.78	1.75		1.78	10.15	1.75	
Winegrapes (3/16) (10 ft. spacing on California Sprawl Trellis)	1.93	9.97	1.82		1.81	10.25	1.89		1.87	10.50	1.89	
Walnuts (4/8)	1.90	11.65	1.83		1.78	12.08	1.90		1.85	12.42	1.90	
Stone Fruit (3/10)	1.90	12.48	1.77		1.78	12.95	1.84		1.85	13.29	1.84	
Past 7 days precipitation (inches)		0.00				0.00				0.00		
Accumulated precipitation (inches) (1/1/2020)		2.68				4.05				3.13		
<p>Dates in parentheses above, indicate leaf out or starting date for ET accumulation for the specific crop</p> <p>* 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.</p> <p>** 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.</p>												
PAST WEEKLY APPLIED WATER IN INCHES, ADJUSTED FOR EFFICIENCY ¹												
Crops	#124 Panoche				#2 Five Points				#15 Stratford			
System Efficiency >>	65%	75%	85%	95%	65%	75%	85%	95%	65%	75%	85%	95%
Almonds (3/5)	3.4	2.9	2.6	2.3	3.2	2.8	2.4	2.2	3.3	2.9	2.5	2.3
Pistachio (4/13)	3.6	3.1	2.8	2.5	3.4	3.0	2.6	2.3	3.5	3.1	2.7	2.4
Citrus (2/1)	2.2	1.9	1.7	1.5	2.1	1.8	1.6	1.4	2.2	1.9	1.6	1.5
Raisin Grapes (3/16) (11 ft. row spacing)	2.8	2.4	2.1	1.9	2.6	2.3	2.0	1.8	2.7	2.4	2.1	1.9
Winegrapes (3/16) (10 ft. spacing on California Sprawl Trellis)	3.0	2.6	2.3	2.0	3.0	2.6	2.3	2.0	2.9	2.5	2.2	2.0
Walnuts (4/8)	2.9	2.5	2.2	2.0	2.7	2.4	2.1	1.9	2.8	2.5	2.2	1.9
Stone Fruit (3/10)	2.9	2.5	2.2	2.0	2.7	2.4	2.1	1.9	2.8	2.5	2.2	1.9
<p>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%.</p>												
PAST WEEKLY APPLIED WATER IN GALLON PER TREE OR VINE												
Crops	#124 Panoche				#2 Five Points				#15 Stratford			
Almonds 115 Trees/A	803	685	614	543	756	661	567	519	779	685	590	543
Pistachio 106 Trees/A	897	772	698	623	847	747	648	573	872	772	673	598
Citrus 110 Trees/A	543	469	420	370	518	444	395	346	543	469	395	370
Raisin Grapes 566 Vines/A	134	115	101	91	125	110	96	86	130	115	101	91
Winegrapes 622 Vines/A	131	114	100	87	131	114	100	87	127	109	96	87
Walnuts 76 Trees/A	1036	893	786	715	965	857	750	679	1000	893	786	679
Stonefruit 172 Trees/A	458	395	347	316	426	379	332	300	442	395	347	300

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