

WEEKLY SOIL MOISTURE LOSS IN INCHES (Estimated Crop Evapotranspiration or ET _c) 06/05/20 through 06/11/20												
Crops (Leafout Date)	#148 Merced				#39 Parlier				#258 Lemon Cove			
	6/5 - 6/11 Water Use	Accum'd Seasonal Water Use	6/12 - 6/18 Estimated ET _c		6/5 - 6/11 Water Use	Accum'd Seasonal Water Use	6/12 - 6/18 Estimated ET _c		6/5 - 6/11 Water Use	Accum'd Seasonal Water Use	6/12 - 6/18 Estimated ET _c	
Almonds (3/5) *	1.90	15.65	1.87		1.83	15.54	1.88		1.74	14.45	1.84	
Pistachio (4/13) * **	1.90	7.84	2.01		1.83	7.80	2.02		1.74	7.41	1.98	
Citrus (2/1)	1.29	15.98	1.23		1.23	15.54	1.24		1.18	14.64	1.20	
Raisin Grapes (3/16) (11 ft. row spacing)	1.61	7.82	1.54		1.55	7.82	1.54		1.46	7.45	1.54	
Winegrapes (3/16) (10 ft. spacing on California Sprawl Trellis) ***	1.69	8.17	1.65		1.62	8.08	1.66		1.51	7.66	1.62	
Walnuts (4/8)	1.65	9.31	1.58		1.58	9.27	1.59		1.50	8.82	1.55	
Stone Fruit (3/10)	1.57	10.17	1.58		1.51	10.10	1.59		1.44	9.48	1.55	
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			
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	2.8	2.4	2.2	1.9	2.7	2.3	2.0	1.8
Pistachio (4/13)	2.9	2.5	2.2	2.0	2.8	2.4	2.2	1.9	2.7	2.3	2.0	1.8
Citrus (2/1)	2.0	1.7	1.5	1.4	1.9	1.6	1.4	1.3	1.8	1.6	1.4	1.2
Raisin Grapes (3/16) (11 ft. row spacing)***	2.5	2.1	1.9	1.7	2.4	2.1	1.8	1.6	2.2	1.9	1.7	1.5
Winegrapes (3/16) (10 ft. spacing on California Sprawl Trellis) ***	2.6	2.3	2.0	1.8	2.5	2.2	1.9	1.7	2.3	2.0	1.8	1.6
Walnuts (4/8)	2.5	2.2	1.9	1.7	2.4	2.1	1.9	1.7	2.3	2.0	1.8	1.6
Stone Fruit (3/10)	2.4	2.1	1.8	1.7	2.3	2.0	1.8	1.6	2.2	1.9	1.7	1.5
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	685	590	519	472	661	567	519	449	638	543	472	425
Pistachio 106 Trees/A	722	623	548	498	698	598	548	473	673	573	498	448
Citrus 110 Trees/A	494	420	370	346	469	395	346	321	444	395	346	296
Raisin Grapes 566 Vines/A	120	101	91	82	115	101	86	77	106	91	82	72
Winegrapes 622 Vines/A	114	100	87	79	109	96	83	74	100	87	79	70
Walnuts 76 Trees/A	893	786	679	607	857	750	679	607	822	715	643	572
Stonefruit 172 Trees/A	379	332	284	268	363	316	284	253	347	300	268	237
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)

06/05/20 through 06/11/20

Crops (Leafout Date)	#124 Panoche				#2 Five Points				#15 Stratford		
	6/5 - 6/11 Water Use	Accum'd Seasonal Water Use	6/12- 6/18 Estimated ETc		6/5 - 6/11 Water Use	Accum'd Seasonal Water Use	6/12- 6/18 Estimated ETc		6/5 - 6/11 Water Use	Accum'd Seasonal Water Use	6/12- 6/18 Estimated ETc
Almonds (3/5) *	2.15	16.24	2.10		2.02	17.27	2.11		2.13	17.61	2.11
Pistachio (4/13) * **	2.15	8.18	2.24		2.02	8.59	2.25		2.13	8.86	2.25
Citrus (2/1)	1.45	16.37	1.39		1.36	17.42	1.40		1.43	17.52	1.40
Raisin Grapes (3/16) (11 ft. row spacing)	1.79	7.68	1.74		1.69	8.07	1.75		1.78	8.37	1.75
Winegrapes (3/16) (10 ft. spacing on California Sprawl Trellis)	1.83	8.04	1.81		1.72	8.44	1.82		1.83	8.63	1.82
Walnuts (4/8)	1.87	9.75	1.81		1.76	10.30	1.82		1.84	10.57	1.82
Stone Fruit (3/10)	1.77	10.58	1.81		1.68	11.17	1.82		1.76	11.44	1.82
Past 7 days precipitation (inches)	0.00				0.00				0.00		
Accumulated precipitation (inches) (1/1/2020)	2.68				4.05				3.13		

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	#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 (3/5)	3.3	2.9	2.5	2.3		3.1	2.7	2.4	2.1		3.3	2.8	2.5	2.2
Pistachio (4/13)	3.3	2.9	2.5	2.3		3.1	2.7	2.4	2.1		3.3	2.8	2.5	2.2
Citrus (2/1)	2.2	1.9	1.7	1.5		2.1	1.8	1.6	1.4		2.2	1.9	1.7	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)	2.8	2.4	2.2	1.9		2.8	2.4	2.2	1.9		2.8	2.4	2.2	1.9
Walnuts (4/8)	2.9	2.5	2.2	2.0		2.7	2.3	2.1	1.9		2.8	2.5	2.2	1.9
Stone Fruit (3/10)	2.7	2.4	2.1	1.9		2.6	2.2	2.0	1.8		2.7	2.3	2.1	1.9

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	#124 Panoche					#2 Five Points					#15 Stratford			
	779	685	590	543		732	638	567	496		779	661	590	519
Almonds 115 Trees/A	779	685	590	543		732	638	567	496		779	661	590	519
Pistachio 106 Trees/A	822	722	623	573		772	673	598	523		822	698	623	548
Citrus 110 Trees/A	543	469	420	370		518	444	395	346		543	469	420	370
Raisin Grapes 566 Vines/A	134	115	101	91		125	110	96	86		130	115	101	91
Winegrapes 622 Vines/A	122	105	96	83		122	105	96	83		122	105	96	83
Walnuts 76 Trees/A	1036	893	786	715		965	822	750	679		1000	893	786	679
Stonefruit 172 Trees/A	426	379	332	300		410	347	316	284		426	363	332	300

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