



<b>WEEKLY SOIL MOISTURE LOSS IN INCHES</b> (Estimated Crop Evapotranspiration or ET <sub>c</sub> ) 07/31/20 through 08/06/20												
Crops (Leafout Date)	#148 Merced				#39 Parlier				#258 Lemon Cove			
	7/31- 8/6 Water Use	Accum'd Seasonal Water Use	8/7 - 8/13 Estimated ETc		7/31- 8/6 Water Use	Accum'd Seasonal Water Use	8/7 - 8/13 Estimated ETc		7/31- 8/6 Water Use	Accum'd Seasonal Water Use	8/7 - 8/13 Estimated ETc	
Almonds (3/5) *	1.93	31.69	1.91		2.06	32.24	1.82		1.90	30.23	1.82	
Pistachio (4/13) * **	1.98	24.61	1.98		2.12	25.21	1.82		1.95	23.90	1.82	
Citrus (2/1)	1.17	25.91	1.14		1.26	25.90	1.12		1.15	24.40	1.12	
Raisin Grapes (3/16 ) (11 ft. row spacing)	1.51	20.62	1.49		1.62	21.09	1.40		1.48	20.06	1.40	
Winegrapes (3/16 ) (10 ft. spacing on California Sprawl Trellis) ***	1.72	22.51	1.70		1.85	23.02	1.61		1.69	21.77	1.61	
Walnuts (4/8)	2.05	24.42	2.05		2.19	25.01	1.89		2.02	23.66	1.89	
Stone Fruit (3/10 )	1.98	25.06	1.98		2.12	25.64	1.82		1.95	24.12	1.82	
<b>Past 7 days precipitation (inches)</b>	0.00				0.00				0.00			
<b>Accumulated precipitation (inches) (1/1/2020)</b>	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.												
<b>PAST WEEKLY APPLIED WATER IN INCHES, ADJUSTED FOR EFFICIENCY <sup>1</sup></b>												
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)	3.0	2.6	2.3	2.0	3.2	2.7	2.4	2.2	2.9	2.5	2.2	2.0
Pistachio (4/13)	3.0	2.6	2.3	2.1	3.3	2.8	2.5	2.2	3.0	2.6	2.3	2.1
Citrus (2/1)	1.8	1.6	1.4	1.2	1.9	1.7	1.5	1.3	1.8	1.5	1.4	1.2
Raisin Grapes (3/16 ) (11 ft. row spacing)***	2.3	2.0	1.8	1.6	2.5	2.2	1.9	1.7	2.3	2.0	1.7	1.6
Winegrapes (3/16 ) (10 ft. spacing on California Sprawl Trellis) ***	2.6	2.3	2.0	1.8	2.8	2.5	2.2	1.9	2.6	2.3	2.0	1.8
Walnuts (4/8)	3.2	2.7	2.4	2.2	3.4	2.9	2.6	2.3	3.1	2.7	2.4	2.1
Stone Fruit (3/10 )	3.0	2.6	2.3	2.1	3.3	2.8	2.5	2.2	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%.												
<b>PAST WEEKLY APPLIED WATER IN GALLON PER TREE OR VINE</b>												
Crops	#148 Merced				#39 Parlier				#258 Lemon Cove			
Almonds 115 Trees/A	708	614	543	472	756	638	567	519	685	590	519	472
Pistachio 106 Trees/A	747	648	573	523	822	698	623	548	747	648	573	523
Citrus 110 Trees/A	444	395	346	296	469	420	370	321	444	370	346	296
Raisin Grapes 566 Vines/A	110	96	86	77	120	106	91	82	110	96	82	77
Winegrapes 622 Vines/A	114	100	87	79	122	109	96	83	114	100	87	79
Walnuts 76 Trees/A	1143	965	857	786	1215	1036	929	822	1108	965	857	750
Stonefruit 172 Trees/A	474	410	363	332	521	442	395	347	474	410	363	332

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

<b>WEEKLY SOIL MOISTURE LOSS IN INCHES</b> (Estimated Crop Evapotranspiration or ET <sub>c</sub> ) 07/31/20 through 08/06/20											
Crops (Leafout Date)	#124 Panoche				#2 Five Points				#15 Stratford		
	7/31 - 8/6 Water Use	Accum'd Seasonal Water Use	8/7 - 8/13 Estimated ETc		7/31 - 8/6 Water Use	Accum'd Seasonal Water Use	8/7 - 8/13 Estimated ETc		7/31 - 8/6 Water Use	Accum'd Seasonal Water Use	8/7 - 8/13 Estimated ETc
Almonds (3/5) *	2.23	34.30	1.87		2.13	34.49	2.03		2.13	35.51	2.02
Pistachio (4/13) * **	2.30	26.92	1.92		2.19	26.51	2.10		2.19	27.42	2.09
Citrus (2/1)	1.37	27.53	1.12		1.31	28.09	1.26		1.31	28.60	1.25
Raisin Grapes (3/16 ) (11 ft. row spacing)	1.75	22.01	1.45		1.67	21.75	1.61		1.67	22.55	1.60
Winegrapes (3/16 ) (10 ft. spacing on California Sprawl Trellis)	2.02	24.09	1.66		1.92	23.77	1.82		1.92	24.53	1.81
Walnuts (4/8)	2.37	26.76	1.99		2.27	26.55	2.17		2.26	27.42	2.16
Stone Fruit (3/10 )	2.30	27.45	1.92		2.19	27.22	2.10		2.19	28.13	2.05
<b>Past 7 days precipitation (inches)</b>	0.00				0.00				0.00		
<b>Accumulated precipitation (inches) (1/1/2020)</b>	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.

<b>PAST WEEKLY APPLIED WATER IN INCHES, ADJUSTED FOR EFFICIENCY <sup>1</sup></b>														
Crops	#124 Panoche					#2 Five Points					#15 Stratford			
	65%	75%	85%	95%		65%	75%	85%	95%		65%	75%	85%	95%
System Efficiency >>														
Almonds (3/5)	3.4	3.0	2.6	2.3		3.3	2.8	2.5	2.2		3.3	2.8	2.5	2.2
Pistachio (4/13)	3.5	3.1	2.7	2.4		3.4	2.9	2.6	2.3		3.4	2.9	2.6	2.3
Citrus (2/1)	2.1	1.8	1.6	1.4		2.0	1.7	1.5	1.4		2.0	1.7	1.5	1.4
Raisin Grapes (3/16 ) (11 ft. row spacing)	2.7	2.3	2.1	1.8		2.6	2.2	2.0	1.8		2.6	2.2	2.0	1.8
Winegrapes (3/16 ) (10 ft. spacing on California Sprawl Trellis)	3.1	2.7	2.4	2.1		3.0	2.6	2.3	2.0		3.0	2.6	2.3	2.0
Walnuts (4/8)	3.6	3.2	2.8	2.5		3.5	3.0	2.7	2.4		3.5	3.0	2.7	2.4
Stone Fruit (3/10 )	3.5	3.1	2.7	2.4		3.4	2.9	2.6	2.3		3.4	2.9	2.6	2.3

<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%.

<b>PAST WEEKLY APPLIED WATER IN GALLON PER TREE OR VINE</b>														
Crops	#124 Panoche					#2 Five Points					#15 Stratford			
	Almonds 115 Trees/A	803	708	614		543		779	661		590	519		779
Pistachio 106 Trees/A	872	772	673	598		847	722	648	573		847	722	648	573
Citrus 110 Trees/A	518	444	395	346		494	420	370	346		494	420	370	346
Raisin Grapes 566 Vines/A	130	110	101	86		125	106	96	86		125	106	96	86
Winegrapes 622 Vines/A	135	118	105	92		131	114	100	87		131	114	100	87
Walnuts 76 Trees/A	1286	1143	1000	893		1251	1072	965	857		1251	1072	965	857
Stonefruit 172 Trees/A	553	489	426	379		537	458	410	363		537	458	410	363

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