

WEEKLY ET REPORT
(Estimated Crop Evapotranspiration or ETc)
10/15/21 through 10/21/21

Crops (Leafout Date)	Tehama County - Gerber South			Butte County - Biggs			Butte County - Durham			Colusa County - Williams		
	Past Week of Water Use	Accum'd Seasonal Water Use	Next Week's Estimated ETc	Past Week of Water Use	Accum'd Seasonal Water Use	Next Week's Estimated ETc	Past Week of Water Use	Accum'd Seasonal Water Use	Next Week's Estimated ETc	Past Week of Water Use	Accum'd Seasonal Water Use	Next Week's Estimated ETc
Pasture [ETo]	0.51	52.10	0.94	0.60	48.92	0.93	0.54	45.97	0.83	0.68	54.55	1.13
Olives Table *	0.39	39.43	0.71	0.46	37.04	0.71	0.41	34.78	0.63	0.53	41.21	0.85
Olives High Density *	0.30	31.24	0.56	0.36	29.40	0.55	0.31	27.54	0.49	0.41	32.78	0.66
Citrus *	0.34	33.96	0.61	0.39	31.87	0.61	0.36	30.01	0.54	0.43	35.50	0.74
Almonds (2/25) *	0.47	50.42	0.84	0.55	47.25	0.84	0.50	44.45	0.75	0.63	52.05	1.01
Cling Peaches (3/27) *	0.47	41.98	0.84	0.55	39.41	0.84	0.50	37.00	0.75	0.63	42.87	1.01
Pistachios (4/9) *	0.47	44.74	0.84	0.55	41.79	0.84	0.50	39.15	0.75	0.63	45.11	1.01
Prunes (3/27) *	0.34	43.92	0.57	0.41	41.06	0.54	0.35	38.49	0.50	0.45	45.24	0.67
Walnuts (4/9) *	0.30	42.37	0.56	0.36	39.57	0.55	0.31	37.11	0.49	0.41	42.79	0.66
Urban Turf Grass	0.39	43.19	0.64	0.46	40.57	0.64	0.41	38.17	0.56	0.53	45.00	0.78
Past 7 days precipitation (inches)	(0.56)			(0.39)			(0.59)			(0.15)		
Accumulated precipitation (inches)	(2.84)			(2.01)			(2.63)			(0.99)		

*Accumulations started on February 25th, 2021 for pasture, table and high density olives, citrus, almond, turf grass, and rainfall. Accumulations for prune, walnuts, and vineyards will begin as soon as leafout occurs for the 2021 season and the leafout date will be noted in parentheses next to the 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.

PAST WEEKLY APPLIED WATER IN INCHES, ADJUSTED FOR EFFICIENCY ¹

Crops	Tehama County - Gerber South			Butte County - Biggs			Butte County - Durham			Colusa County - Williams		
System Efficiency >>	70%	80%	90%	70%	80%	90%	70%	80%	90%	70%	80%	90%
Olives Table	0.6	0.5	0.4	0.7	0.6	0.5	0.6	0.5	0.5	0.8	0.7	0.6
Olives High Density	0.4	0.4	0.3	0.5	0.5	0.4	0.4	0.4	0.3	0.6	0.5	0.5
Citrus	0.5	0.4	0.4	0.6	0.5	0.4	0.5	0.5	0.4	0.6	0.5	0.5
Almonds (2/25)	0.7	0.6	0.5	0.8	0.7	0.6	0.7	0.6	0.6	0.9	0.8	0.7
Cling Peaches (3/27)	0.7	0.6	0.5	0.8	0.7	0.6	0.7	0.6	0.6	0.9	0.8	0.7
Pistachios (4/9)	0.7	0.6	0.5	0.8	0.7	0.6	0.7	0.6	0.6	0.9	0.8	0.7
Prunes (3/27)	0.5	0.4	0.4	0.6	0.5	0.5	0.5	0.4	0.4	0.6	0.6	0.5
Walnuts (4/9)	0.4	0.4	0.3	0.5	0.5	0.4	0.4	0.4	0.3	0.6	0.5	0.5

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%.

For further information concerning all counties receiving this report, contact the Tehama Co. Farm Advisor's office at (530) 527-3101 or the Glenn Co. Farm Advisor's office at (530) 865-1153.

This same information and source is now available in the ET Reports section of the sacvalleyorchards.com website. Same information, just in a different format.

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Tehama County - Gerber South						
Crop	Past Week	System Efficiency			Accumulated	Next
	of Water	70%	80%	90%	Seasonal	Week's
Almond	0.47	0.7	0.6	0.5	50.42	0.84
Citrus	0.34	0.5	0.4	0.4	33.96	0.61
Cling Peach	0.47	0.7	0.6	0.5	41.98	0.84
Olive - Table	0.39	0.6	0.5	0.4	39.43	0.71
Olive - Super High Density	0.30	0.4	0.4	0.3	31.24	0.56
Pistachio	0.47	0.7	0.6	0.5	44.74	0.84

Prune	0.34	0.5	0.4	0.4	43.92	0.57
Walnut	0.30	0.4	0.4	0.3	42.37	0.56
Pasture [ETo]	0.51				52.10	0.94
Urban Turf Grass	0.39				43.19	0.64
Past 7 days precipitation (inches)	(0.56)					
Accumulated precipitation (inches)	(2.84)					

Butte County - Biggs						
Crop	Past Week of Water	System Efficiency			Accumulated Seasonal	Next Week's
		70%	80%	90%		
Almond	0.55	0.8	0.7	0.6	47.25	0.84
Citrus	0.39	0.6	0.5	0.4	31.87	0.61
Cling Peach	0.55	0.8	0.7	0.6	39.41	0.84
Olive - Table	0.46	0.7	0.6	0.5	37.04	0.71
Olive - Super High Density	0.36	0.5	0.5	0.4	29.40	0.55
Pistachio	0.55	0.8	0.7	0.6	41.79	0.84
Prune	0.41	0.6	0.5	0.5	41.06	0.54
Walnut	0.36	0.5	0.5	0.4	39.57	0.55
Pasture [ETo]	0.60				48.92	0.93
Urban Turf Grass	0.46				40.57	0.64
Past 7 days precipitation (inches)	(0.39)					
Accumulated precipitation (inches)	(2.01)					

Butte County - Durham						
Crop	Past Week of Water	System Efficiency			Accumulated Seasonal	Next Week's
		70%	80%	90%		
Almond	0.50	0.7	0.6	0.6	44.45	0.75
Citrus	0.36	0.5	0.5	0.4	30.01	0.54
Cling Peach	0.50	0.7	0.6	0.6	37.00	0.75
Olive - Table	0.41	0.6	0.5	0.5	34.78	0.63
Olive - Super High Density	0.31	0.4	0.4	0.3	27.54	0.49
Pistachio	0.50	0.7	0.6	0.6	39.15	0.75
Prune	0.35	0.5	0.4	0.4	38.49	0.50
Walnut	0.31	0.4	0.4	0.3	37.11	0.49
Pasture [ETo]	0.54				45.97	0.83
Urban Turf Grass	0.41				38.17	0.56
Past 7 days precipitation (inches)	(0.59)					
Accumulated precipitation (inches)	(2.63)					

Colusa County - Williams						
Crop	Past Week of Water	System Efficiency			Accumulated Seasonal	Next Week's
		70%	80%	90%		
Almond	0.63	0.9	0.8	0.7	52.05	1.01
Citrus	0.43	0.6	0.5	0.5	35.50	0.74
Cling Peach	0.63	0.9	0.8	0.7	42.87	1.01
Olive - Table	0.53	0.8	0.7	0.6	41.21	0.85
Olive - Super High Density	0.41	0.6	0.5	0.5	32.78	0.66
Pistachio	0.63	0.9	0.8	0.7	45.11	1.01
Prune	0.45	0.6	0.6	0.5	45.24	0.67
Walnut	0.41	0.6	0.5	0.5	42.79	0.66
Pasture [ETo]	0.68				54.55	1.13
Urban Turf Grass	0.53				45.00	0.78
Past 7 days precipitation (inches)	(0.15)					
Accumulated precipitation (inches)	(0.99)					