



WEEKLY CROP WATER USE - Based on local CIMIS Weather Stations (in inches)
(Estimated Crop Evapotranspiration or ETc)
03/24/23 through 03/30/23

Crops (Leafout Date)		#70 Manteca			#194 Oakdale			#206 Denair II		
		3/24 - 3/30 Water Use	Accum'd Seasonal Water Use	3/31 - 4/6 Estimated ETc	3/24 - 3/30 Water Use	Accum'd Seasonal Water Use	3/31 - 4/6 Estimated ETc	3/24 - 3/30 Water Use	Accum'd Seasonal Water Use	3/31 - 4/6 Estimated ETc
	Weekly Kc									
Almonds (2/27) *	0.67	0.52	1.55	0.76	0.55	1.58	0.72	0.59	1.75	0.77
Peaches (3/10) *	0.29	0.21	0.43	0.28	0.20	0.43	0.28	0.24	0.50	0.28
Walnuts (NA) *	NA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vineyard Established (NA)	NA	0.00	0.00	0.20	0.00	0.00	0.18	0.00	0.00	0.20
Alfalfa (2/1)	0.99	0.78	4.56	1.04	0.80	4.55	1.00	0.88	4.96	1.05
Pasture (2/1)	1.0	0.78	4.56	1.04	0.80	4.55	1.00	0.88	4.96	1.05
Past 7 days precipitation (inches)		0.81			0.77			0.83		
Accumulated precipitation (inches) (since 3/1/2023)		4.93			4.99			3.93		

Evapotranspiration accumulations for this report started on February 1, 2023, for alfalfa and pasture or on the approximate full bloom date for almonds, peaches, and walnuts -indicated in parentheses. Irrigators must consider any appreciable precipitation that occurred during the previous report period when calculating the correct amount of irrigation to apply to meet ET needs. Actual irrigation needs should be confirmed with soil and/or plant-based monitoring tools.

* Estimates are for orchard/vineyard 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. 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	#70 Manteca			#194 Oakdale			#206 Denair II		
	75%	85%	95%	75%	85%	95%	75%	85%	95%
System Efficiency >>									
Almonds (2/27)	0.7	0.6	0.5	0.7	0.6	0.6	0.8	0.7	0.6
Peaches (3/10)	0.3	0.2	0.2	0.3	0.2	0.2	0.3	0.3	0.3
Walnuts (NA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vineyard Established (NA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alfalfa (2/1)	1.0	0.9	0.8	1.1	0.9	0.8	1.2	1.0	0.9

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 Flood, 50%-75%.

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