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(Estimated Crop Evapotranspiration or ET_c)

09/16/22 through 09/22/22

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

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			
Almonds 115 Trees/A	378	331	283	260	401	354	307	283	449	378	331	307
Pistachio 106 Trees/A	374	324	299	249	399	349	299	274	448	374	324	299
Citrus 110 Trees/A	247	222	197	173	272	222	197	173	296	272	222	197
Raisin Grapes 566 Vines/A	Assume all grape			38	Assume all grape			38	Assume all grape			43
Winegrapes 622 Vines/A	irrigation type is drip			39	irrigation type is drip			39	irrigation type is drip			44
Walnuts 76 Trees/A	500	429	393	357	536	464	393	357	572	500	429	393
Stonefruit 172 Trees/A	284	237	205	189	300	253	221	205	316	284	253	221

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