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10/07/22 through 10/13/22

* 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.

Crops	#124 Panoche				#2 Five Points				#15 Stratford			
System Efficiency >>	65%	75%	85%	95%	65%	75%	85%	95%	65%	75%	85%	95%
Almonds (3/1)	1.8	1.5	1.4	1.2	1.8	1.6	1.4	1.2	1.8	1.6	1.4	1.3
Pistachio (4/8)	1.7	1.5	1.3	1.1	1.7	1.5	1.3	1.2	1.7	1.5	1.3	1.2
Citrus (2/1)	1.4	1.2	1.0	0.9	1.4	1.2	1.1	1.0	1.4	1.2	1.1	1.0
Raisin Grapes (3/15) (11 ft. row spacing)	Assume all grape			0.9	Assume all grape			1.0	Assume all grape			1.0
Winegrapes (3/15) (10 ft. spacing on California Sprawl Trellis)	irrigation type is drip			1.1	irrigation type is drip			1.1	irrigation type is drip			1.1
Walnuts (4/8)	1.0	0.9	0.8	0.7	1.0	0.9	0.8	0.7	1.0	0.9	0.8	0.7
Stone Fruit (3/10)	1.7	1.5	1.3	1.1	1.7	1.5	1.3	1.2	1.7	1.5	1.3	1.2

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%.

Crops	#124 Panoche				#2 Five Points				#15 Stratford			
Almonds 115 Trees/A	425	354	331	283	425	378	331	283	425	378	331	307
Pistachio 106 Trees/A	424	374	324	274	424	374	324	299	424	374	324	299
Citrus 110 Trees/A	346	296	247	222	346	296	272	247	346	296	272	247
Raisin Grapes 566 Vines/A	Assume all grape			43	Assume all grape			48	Assume all grape			48
Winegrapes 622 Vines/A	irrigation type is drip			48	irrigation type is drip			48	irrigation type is drip			48
Walnuts 76 Trees/A	357	322	286	250	357	322	286	250	357	322	286	250
Stonefruit 172 Trees/A	268	237	205	174	268	237	205	189	268	237	205	189

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