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07/08/22 through 07/14/22

* 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)	3.6	3.1	2.8	2.5	3.6	3.1	2.8	2.5	3.8	3.3	2.9	2.6
Pistachio (4/8)	3.7	3.2	2.8	2.5	3.7	3.2	2.8	2.5	3.8	3.3	2.9	2.6
Citrus (2/1)	2.2	1.9	1.7	1.5	2.2	1.9	1.7	1.5	2.2	1.9	1.7	1.5
Raisin Grapes (3/15) (11 ft. row spacing)	Assume all grape			1.6	Assume all grape			1.6	Assume all grape			1.7
Winegrapes (3/15) (10 ft. spacing on California Sprawl Trellis)	irrigation type is drip			1.9	irrigation type is drip			1.9	irrigation type is drip			1.9
Walnuts (4/8)	3.8	3.3	2.9	2.6	3.8	3.3	2.9	2.6	4.0	3.4	3.0	2.7
Stone Fruit (3/10)	3.6	3.1	2.7	2.5	3.6	3.1	2.7	2.4	3.7	3.2	2.8	2.5

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%.

Crops	#124 Panoche				#2 Five Points				#15 Stratford			
Almonds 115 Trees/A	850	732	661	590	850	732	661	590	897	779	685	614
Pistachio 106 Trees/A	922	797	698	623	922	797	698	623	947	822	722	648
Citrus 110 Trees/A	543	469	420	370	543	469	420	370	543	469	420	370
Raisin Grapes 566 Vines/A	Assume all grape			77	Assume all grape			77	Assume all grape			82
Winegrapes 622 Vines/A	irrigation type is drip			83	irrigation type is drip			83	irrigation type is drip			83
Walnuts 76 Trees/A	1358	1179	1036	929	1358	1179	1036	929	1429	1215	1072	965
Stonefruit 172 Trees/A	568	489	426	395	568	489	426	379	584	505	442	395

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