

Attachment 6

WA-12 Monthly CCF Allocation Calculator (with 85% Irrigation Efficiency)

	CIMIS Station #44 Reference 15 year average ET ₀ (2004-2018) in inches / month ¹											
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
	2.61	2.92	4.66	5.68	6.42	7.02	7.47	7.17	5.7	4.07	2.89	2.29
² K _c for citrus, avocado, fruit and nut trees, and nursery stock	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
ET _{crop} (CCF/acre/mo)	65.37	73.14	116.72	142.27	160.80	175.83	187.10	179.59	142.77	101.94	72.39	57.36
Irrigation Efficiency (IE)	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
ET _{crop} (CCF/acre/mo) with IE	77.00	86.00	137.00	167.00	189.00	207.00	220.00	211.00	168.00	120.00	85.00	67.00
Irrigated Area in acres (IA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Monthly CCF allocation	0	0	0	0	0	0	0	0	0	0	0	0
² K _c for grape vines and row crops	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
ET _{crop} (CCF/acre/mo)	50.21	56.18	89.65	109.28	123.51	135.06	143.72	137.94	109.66	78.30	55.60	44.06
Irrigation Efficiency (IE)	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
ET _{crop} (CCF/acre/mo) with IE	59.00	66.00	105.00	129.00	145.00	159.00	169.00	162.00	129.00	92.00	65.00	52.00
Irrigated Area in acres (IA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Monthly CCF allocation	0	0	0	0	0	0	0	0	0	0	0	0
² K _c for pasture with livestock	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
ET _{crop} (CCF/acre/mo)	84.32	94.34	150.55	183.50	207.41	226.80	241.33	231.64	184.15	131.49	93.37	73.98
Irrigation Efficiency (IE)	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
ET _{crop} (CCF/acre/mo) with IE	99.00	111.00	177.00	216.00	244.00	267.00	284.00	273.00	217.00	155.00	110.00	87.00
Irrigated Area in acres (IA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Monthly CCF allocation	0	0	0	0	0	0	0	0	0	0	0	0
² K _c for immature trees	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
ET _{crop} (CCF/acre/mo)	42.63	47.70	76.12	92.78	104.87	114.67	122.02	117.12	93.11	66.48	47.21	37.41
Irrigation Efficiency (IE)	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
ET _{crop} (CCF/acre/mo) with IE	50.00	56.00	90.00	109.00	123.00	135.00	144.00	138.00	110.00	78.00	56.00	44.00
Irrigated Area in acres (IA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Monthly CCF allocation	0	0	0	0	0	0	0	0	0	0	0	0
Total Monthly AWA	0	0	0	0	0	0	0	0	0	0	0	0

¹ This rolling 15 year average will be updated annually

² K_c factors were derived from the Irrigation Training & Research Center (ITRC) California Evapotranspiration Database developed by California Polytechnic State University San Luis Obispo for CIMIS Zone 6, average values from irrigation design and water balance conditions for drip, spray and surface irrigation techniques.

WA-12 Monthly CCF Allocation Formula

$$AWA = ET(o) \times K_c \times IA \times 36.3 \times (1/IE)$$

$$IE = 0.85$$

AWA = Agricultural Water Allocation in CCF per month, per customer