



G Casotti & Co (Summer Bright Nectarine) IRRIGATION SCHEDULE



CARING
FOR
OUR
COUNTRY

Application Rate (L/hr/tree)	62.0	Crop Factor 1	0.5	Tree Spacing	2
Distribution Uniformity	0%	Crop Factor 2	0.7	Row Spacing	4.5
		Crop Factor 3	0.8	Canopy area	8
		Crop Factor 4	0.9	RAW	67.5

Average Irrigation Requirement Per Month

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Avg Daily Evap (mm ETo)	8.2	7.4	6.0	4.8	3.3	1.6	1.8	2.8	2.7	4.7	6.5	8.2
Crop Coefficient (Kc)	0.9	0.9	0.5	0.5	0.00	0.00	0.00	0.00	0.50	0.60	0.60	0.90
Required irrigation (L)	59.0	53.3	24.0	19.2	0.0	no irrigation required	no irrigation required	no irrigation required	10.8	22.6	31.2	59.0
Runtime per station (mins)	57	52	23	19	0	no irrigation required	no irrigation required	no irrigation required	10	22	30	57

What your runtime means in L/hour

Run Time (mins)	5	10	15	20	25	30	35	40	45	50	55	60
Equivalent in mm/hr	5.2	10.3	15.5	20.7	25.8	31.0	36.2	41.3	46.5	51.7	56.8	62.0

What to apply when local evaporation changes with a 0.9 crop coefficient

mm of Evap per day	1	2	3	4	5	6	7	8	9	10	11	12	13
Irrigation required per day (L)	8.1	16.2	24.3	32.4	40.5	48.6	56.7	64.8	72.9	81	89.1	97.2	105.3
Equivalent irrigation runtime (mins)	8	16	24	31	39	47	55	63	71	78	86	94	102

Notes: Strip spray micro jets, 125L/hr at 213kPa with a wetted area of 4.56m² (62.5L/tree/hour)
24th Dec is 6 weeks before harvest = full irrigation schedule