



SUNNY VALLEY VINEYARD IRRIGATION SCHEDULE 2010-2011



CARING
FOR
OUR
COUNTRY

Mean Application Rate (mm/hr) 7.3
Distribution Uniformity 82%

Crop Factor 1 0.11
Crop Factor 2 0.16
Crop Factor 3 0.27
Crop Factor 4 0.33
Crop Factor 5 0.38
Crop Factor 6 0.44

Late Season Table Grapes

Average Irrigation Requirement Per Month

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Avg Daily Evap (mm)	10.1	10.6	7.8	5.0	3.0	2.2	2.1	2.6	3.6	6.1	7.4	9.0
Required irrigation (mm/day)	3.8	4.7	3.4	1.7	0.5	no irrigation required	no irrigation required	no irrigation required	0.4	1.0	2.0	3.0
Runtime per station (mins)	32	38	28	14	4	no irrigation required	no irrigation required	no irrigation required	3	8	16	24
DU% runtime (mins)	39	47	35	17	5	no irrigation required	no irrigation required	no irrigation required	4	10	20	30

What your runtime means in mm/hour

Run Time (mins)	5	10	15	20	25	30	35	40	45	50	55	60
Equivalent in mm/hr	0.6	1.2	1.8	2.4	3.0	3.7	4.3	4.9	5.5	6.1	6.7	7.3

What to apply when local evaporation changes

mm of Evap per day	1	2	3	4	5	6	7	8	9	10	11	12	13
Irrigation required per day	0.16	0.32	0.48	0.64	0.8	0.96	1.12	1.28	1.44	1.6	1.76	1.92	2.08
Equivalent irrigation runtime (mins)	1	3	4	5	7	8	9	11	12	13	14	16	17

Notes: Netafim Gyronet 70L/hr, 1.2mm black nozzle with black LR swivel.