

3

Plant Irrigation Worksheet

- Step 1: List your plant types and sizes by valve (columns 1 & 2)
- Step 2: For each plant type on each valve, list the number of emitters and emitter output in gallons/hour (columns 3 & 4)
- Step 3: Multiply the number in column 3 by the number in column 4 and write the results in column 5
- Step 4: Look up the water required for each plant type and size from Table C and write it in column 6
- Step 5: Divide the number in column 6 by the number in column 5 to determine the run time in hours

Example

1 Valve No.	2 Plant Type & Size	3 Number of Emitters per Plant	4 Emitter Output in Gallons/Hr	5 Total Output in Gallons/Plant/Hr	6 Gallons Required (from Table C)	Run Time (gal req ÷ gal per plant)
1	8' trees	3	2 G/Hr =	6 G/Plant/Hr	38	6 Hr
1	3' shrubs	2	1 G/Hr	2 G/Plant/Hr	8	4 Hr
1	2' succulents	1	1 G/Hr	1 G/Plant/Hr	2	4 Hr
2	6' citrus trees	2	1 G/Min bubbler	2 G/Plant/Min or 120 G/Plant/Hr	26	13 Min

Gallons of Water Required to Wet the Root Zone

(page 9 in LWBTN)

Plant Canopy Diameter in Feet

	1'	2'	3'	4'	5'	6'	8'	10'	12'	14'	16'	18'	20'
Trees	1.5	.5	11	16	22	26	38	59	85	115	150	190	235
Shrubs	1	4	8	12	17	20							
Groundcover/Cacti	.5	2	3.5	5	7	9							