

Conversion Precipitation Rate Table for Emitter:

1. Determine the width of a single representative plant canopy in feet.
2. Determine the emitter flow rate per plant. If multiple emitters, calculate the total GPH.
3. Precip rate is at the intersection of size column and the flow row.
4. Default setting is 1.50 precip and 90% efficiency.
5. If not sure what to use, go with 0.50 and 90% efficiency (60% in desert).

Typical Shrubs / Young Trees						
Flow in GPH for one plant	Width of a Single Representative Plant Canopy in feet					
	1	2	3	4	5	6
0.50	1.02	0.26	0.11	0.06	0.04	0.03
1.00	2.04	0.51	0.23	0.13	0.08	0.06
1.50	3.06	0.77	0.34	0.19	0.12	0.09
2.00	4.09	1.02	0.45	0.26	0.16	0.11
3.00	6.13	1.53	0.68	0.38	0.25	0.17
4.00	8.17	2.04	0.91	0.51	0.33	0.23
5.00	10.21	2.55	1.13	0.64	0.41	0.28
6.00	12.26	3.06	1.36	0.77	0.49	0.34
8.00	16.34	4.09	1.82	1.02	0.65	0.45
10.00	20.43	5.11	2.27	1.28	0.82	0.57
12.00	24.51	6.13	2.72	1.53	0.98	0.68

Typical Trees						
Flow in GPH for one plant	Width of a Single Representative Plant Canopy in feet					
	8	10	12	15	20	25
14.0	0.45	0.29	0.20	0.13	0.07	0.05
16.0	0.51	0.33	0.23	0.15	0.08	0.05
18.0	0.57	0.37	0.26	0.16	0.09	0.06
20.0	0.64	0.41	0.28	0.18	0.10	0.07
22.0	0.70	0.45	0.31	0.20	0.11	0.07
24.0	0.77	0.49	0.34	0.22	0.12	0.08
26.0	0.83	0.53	0.37	0.24	0.13	0.08
28.0	0.89	0.57	0.40	0.25	0.14	0.09
30.0	0.96	0.61	0.43	0.27	0.15	0.10
35.0	1.12	0.71	0.50	0.32	0.18	0.11

Shaded Gray areas are outside of the selectable precip range

Precipitation Rates for Bubbler Zones

1. Determine the width of a single representative plant canopy in feet.
2. Determine the bubbler flow rate per plant. If multiple bubblers calculate the total GPM.
3. Precip rate is at the intersection of size column and the flow row.
4. Default setting is 2.55 precip and 90% efficiency.

Typical Shrubs / Young Trees						
Flow in GPM for one plant	Width of a Single Representative Plant Canopy in feet					
	2	3	4	5	6	8
0.25	7.66	3.40	1.91	1.23	0.85	0.48
0.50	15.32	6.81	3.83	2.45	1.70	0.96
1.00	30.64	13.62	7.66	4.90	3.40	1.91
1.50	45.96	20.43	11.49	7.35	5.11	2.87
2.00	61.28	27.24	15.32	9.80	6.81	3.83
3.00	91.92	40.85	22.98	14.71	10.21	5.74
4.00	122.56	54.47	30.64	19.61	13.62	7.66
5.00	153.20	68.09	38.30	24.51	17.02	9.57
6.00	183.84	81.71	45.96	29.41	20.43	11.49
7.00	214.48	95.32	53.62	34.32	23.83	13.40
8.00	245.12	108.94	61.28	39.22	27.24	15.32

Typical Trees						
Flow in GPM for one plant	Width of a Single Representative Plant Canopy in feet					
	10	12	15	20	25	30
0.5	0.61	0.43	0.27	0.15	0.10	0.07
1.0	1.23	0.85	0.54	0.31	0.20	0.14
2.0	2.45	1.70	1.09	0.61	0.39	0.27
3.0	3.68	2.55	1.63	0.92	0.59	0.41
4.0	4.90	3.40	2.18	1.23	0.78	0.54
6.0	7.35	5.11	3.27	1.84	1.18	0.82
8.0	9.80	6.81	4.36	2.45	1.57	1.09
10.0	12.26	8.51	5.45	3.06	1.96	1.36
12.0	14.71	10.21	6.54	3.68	2.35	1.63
14.0	17.16	11.92	7.63	4.29	2.75	1.91
16.0	19.61	13.62	8.72	4.90	3.14	2.18

Shaded gray areas are outside of the selectable precip range

Landscape Map and Comments Area