

FLOW RATE, RADIUS AND DIAMETER

Pressure	Spray	Flow rate	Radius		Diameter	Diameter
PSI	base	GPH	90°	180°	30° x 2	360°
15	Green .047"	14.0	9.6'	4.3'	7.4'	21.2
20	Green .047"	16.3	9.8'	5.0'	7.5'	22.8
25	Green .047"	18.8	10.0'	5.1'	7.5'	25.0
30	Green .047"	20.1	10.0'	5.3'	7.6'	26.6

MAXIMUM NUMBER OF MICRO SPRAYERS ON 1/2" DRIP TUBING WITH .600 ID

Micro sprayer spacing	11'	12'	13'	14'	15'
Flow rate @ 25 PSI	18.3	18.3	18.3	18.3	18.3
Maximum length	110'	120'	130'	126'	135'
Flow rate in GPM	3.05	3.05	3.05	2.75	2.75
Flow rate in GPH	183	183	183	164.7	164.7
# of mini sprinklers	10	10	10	9	9
Head loss in PSI	5.0	5.5	6.0	4.8	5.1
Velocity (f/s)	3.46	3.46	3.46	3.12	3.12
24" micro tubing head loss in PSI	0.6	0.6	0.6	0.6	0.6
Total head loss at the micro sprinkler	5.6	6.1	6.6	5.4	5.7

*Coverage based on a minimum 8" above ground