

SAMPLE Drip System Evaluation Form

Sampled Drip Emitter	Location	Water (ml) collected in 30 seconds	Emitter discharge rate (gph)	Ranking (* low 25%)
1		17	0.54	31
2		14	0.44	3*
3		15	0.48	9*
4		16	0.51	24
5		15	0.48	10
6		17	0.54	32
7		15	0.48	11
8		16	0.51	25
9		14	0.44	4*
10		17	0.54	33
11		17	0.54	34
12		15	0.48	12
13		15	0.48	13
14		15	0.48	14
15		16	0.51	26
16		14	0.44	5*
17		15	0.48	15
18		16	0.48	16
19		13	0.41	1*
20		15	0.48	17
21		14	0.44	6*
22		15	0.48	18
23		16	0.51	27
24		13	0.41	2*
25		17	0.54	35
26		15	0.48	19
27		16	0.51	28
28		14	0.44	7*
29		15	0.48	20
30		15	0.48	21
31		17	0.54	36
32		16	0.51	29
33		15	0.48	22
34		16	0.51	30
35		14	0.44	8*
36		15	0.48	23

Avg. discharge rate of all sampled emitters = 0.48 gph

Avg. discharge rate of the low 25% of sampled emitters = 0.44 gph

$$\begin{aligned}
 \text{Emission Uniformity (\%)} &= \frac{\text{Avg. discharge rate of the low 25\% sampled emitters}}{\text{Avg. discharge rate of all the sampled emitters}} \times 100 \\
 &= \frac{0.44}{0.48} \times 100 = \underline{92 \text{ \%}}
 \end{aligned}$$