HGV Usage Rates

Usage Rates (mL/Gal)

1 Lb/Gal			
EC	Base	Grow	Flower
1.0	13 mL	23 mL	23 mL
1.5	19 mL	32 mL	32 mL
2.0	29 mL	48 mL	48 mL
2.5	38 mL	65 mL	65 mL
3.0	46 mL	76 mL	76 mL
3.5	53 mL	89 mL	89 mL
4.0	61 mL	102 mL	102 mL

2 Lb/Gal			
EC	Base	Grow	Flower
1.0	7 mL	12 mL	12 mL
1.5	11 mL	18 mL	18 mL
2.0	14 mL	24 mL	24 mL
2.5	19 mL	31 mL	31 mL
3.0	22 mL	36 mL	36 mL
3.5	28 mL	46 mL	46 mL
4.0	31 mL	53 mL	53 mL

Liquid Line Usage Rates

2.5 Lb/Gal			
EC	Base	Grow	Flower
1.0	6 mL	10 mL	10 mL
1.5	10 mL	16 mL	16 mL
2.0	12 mL	19 mL	19 mL
2.5	16 mL	26 mL	26 mL
3.0	18 mL	30 mL	30 mL
3.5	22 mL	36 mL	36 mL
4.0	25 mL	42 mL	42 mL

Stock Tank Validation

	1 Lb/Gal			2 Lb/Gal			2.5 Lb/Gal		
	Base	Grow	Flower	Base	Grow	Flower	Base	Grow	Flower
	20 mL	20 mL	20 mL	20 mL	20 mL	20 mL	20 mL	20 mL	20 mL
EC	0.7	0.6	0.6	1.4	1.1	1.1	1.7	1.3	1.3
Acceptable Range	0.6—0.8	0.56—0.64	0.56—0.64	1.3—1.5	1.05—1.15	1.05—1.15	1.6—1.8	1.25—1.35	1.25—1.35

Usage Rate - 25 Lb. Bag

(Grams/Gal)

EC	Base	Grow	Flower
1.0	1.4 g	2.3 g	2.3 g
1.5	2.1 g	3.5 g	3.5 g
2.0	2.8 g	4.7 g	4.7 g
2.5	3.5 g	5.8 g	5.8 g
3.0	4.2 g	7.0 g	7.0 g
3.5	4.9 g	8.2 g	8.2 g
4.0	5.6 g	9.3 g	9.3 g

Usage Rate Adjustment Calculator

If usage rate does not obtain target EC, use the formula below to adjust.

- Actual EC ÷ Target EC = Difference
- Current mL/Gal ÷ Difference = New Value
- New Value will achieve target EC

Example:

2.5 EC ÷ 3.0 EC = 0.833

15 ÷ 0.833 = **18**

25 ÷ 0.833 = **30**

New Usage Rate Value:

Base = **18**

Grow/ Flower = **30**

Last update: 7/29/24