HGV Usage Rates

Usage Rates (mL/Gal)

1 Lb/Gal			
EC	Base	Growth	Flowering
1.0	11 mL	19 mL	19 mL
1.5	16 mL	27 mL	27 mL
2.0	24 mL	40 mL	40 mL
2.5	32 mL	54 mL	54 mL
3.0	38 mL	63 mL	63 mL
3.5	44 mL	74 mL	74 mL
4.0	51 mL	85 mL	85 mL

2 Lb/Gal			
EC	Base	Growth	Flowering
1.0	6 mL	10 mL	10 mL
1.5	9 mL	15 mL	15 mL
2.0	12 mL	20 mL	20 mL
2.5	15.5 mL	26 mL	26 mL
3.0	18 mL	30 mL	30 mL
3.5	23 mL	38 mL	38 mL
4.0	26 mL	44 mL	44 mL

2.5 Lb/Gal			
EC	Base	Growth	Flowering
1.0	5 mL	8 mL	8 mL
1.5	8 mL	13 mL	13 mL
2.0	10 mL	16 mL	16 mL
2.5	13 mL	22 mL	22 mL
3.0	15 mL	25 mL	25 mL
3.5	18 mL	30 mL	30 mL
4.0	21 mL	35 mL	35 mL

Stock Tank Validation

	1 Lb/Gal			2 Lb/Gal			2.5 Lb/Gal		
	Base	Growth	Flowering	Base	Growth	Flowering	Base	Growth	Flowering
	20 mL	20 mL	20 mL	20 mL	20 mL	20 mL	20 mL	20 mL	20 mL
EC	**0.9**	**0.6**	**0.6**	**1.8**	**1.1**	**1.1**	**2.1**	**1.3**	**1.3**
Acceptable Range	0.85 – 0.95	0.56 – 0.64	0.56 – 0.64	1.7 – 1.9	1.05 – 1.15	1.05 – 1.15	2.0 – 2.2	1.25 – 1.35	1.25 – 1.35

Usage Rate - 25 Lb. Bag (Grams/Gal)

EC	Base	Growth	Flowering
1.0	1.4 g	8 g	8 g
1.5	2.1 g	12 g	12 g
2.0	2.8 g	16 g	16 g
2.5	3.5 g	19 g	19 g
3.0	4.2 g	23 g	23 g
3.5	4.9 g	27 g	27 g
4.0	5.6 g	31 g	31 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**
Growth / Flowering = **30**