VENTANA PLANT SCIENCE

Stock Solution Guide & Use Rates:

Stock Solution Rates	
Stock Water (gal)	Bloom (lb)
1	1
5	5
10	10
25	25
50	50

1. VPS Commercial Bloom stocking rate is 1 lb Bloom : 1 Gal Water
2. Fill stock solution vessel with water
3. Weigh out VPS Commercial Bloom for Stock
4. Slowly add in VPS Commercial Bloom while agitating Stock Tank
5. Slowly add in VPS pH Down until reading is 5.6 – 6.2 pH.
6. Ensure all Bloom is dissolved and check pH reading in 2+ hours.
7. Stock Solutions should be made to replace every 5-9 days. The average rate of VPS pH Down is 60-100 mL per lb/gal of Bloom Stock Solution. Rates will vary with water quality.

Stock Solution Rates	
Stock Water (gal)	Calcium Nitrate (lb)
1	2
5	10
10	20
25	50
50	100

1. VPS Commercial Calcium Nitrate stocking rate is 2 lb : 1 Gal Water
2. Fill stock solution vessel with water
3. Weigh out VPS Calcium Nitrate for Stock
4. Slowly add in fertilizer while agitating Stock Tank
6. Ensure all Calcium Nitrate is dissolved and check pH reading, solution pH should be 5.3-6.2
7. Stock Solutions should be made to replace every 5-9 days

Stock Solution Rates	
Stock Water (gal)	Magnesium Sulfate (lb)
1	2
5	10
10	20
25	50
50	100

1. VPS Commercial Magnesium Sulfate stocking rate is 2 lb : 1 Gal Water
2. Fill stock solution vessel with water
3. Weigh out VPS Magnesium Sulfate for Stock
4. Slowly add in fertilizer while agitating Stock Tank
6. Ensure all Magnesium Sulfate is dissolved and check pH reading, solution pH should be 5.2-6.5
7. Stock Solutions should be made to replace every 5-9 days

Rates are in gm or mL per Gallon. If using stock solutions use mL if hand batching use gm.	Vegetative Phase			Flower Phase		
	Rooting Clones	Week 1	Weeks 2-3+	Weeks 1-3	Weeks 4-6	Weeks 7+
VPS Commercial Silicon	0.5 mL	0.5 mL	0.5 mL	0.5 mL	0.5 mL	0.5 mL
VPS Commercial Bloom (2-26-41)	1.5g - 12 mL	2.0g - 16 mL	2.5g - 21mL	3.3g - 27mL	3.3g - 27mL	3.5g - 29mL
VPS Calcium Nitrate	2.0g - 8 mL	3.0g - 12mL	3.5g - 14mL	4.0g - 17mL	3.3g - 15mL	2.75g - 12mL
VPS Magnesium Sulfate	1.5g - 6 mL	2.0g - 10 mL	2.5g - 10mL	2.5g - 11mL	2.5g - 11mL	3.3g - 13 mL
Est. Expected EC	1.3	1.8	2.2	2.5	2.4	2.4
Recommended pH Range	5.7 - 6.2 pH					