FRONT ROW AG
OPTIMIZED NUTRITION

INERT MEDIA: ROCKWOOL, PEAT
STOCK CONCENTRATE
ML X GALLON

FEEDING CHART DETAILS
STRENGTH: ☐ HIGH ☑ MEDIUM
GROWTH METHOD: ☑ CROP CHARGING*
MEDIA: ☐ COCO COIR ☑ INERT (ROCKWOOL, PEAT)
IRRIGATION METHOD: ☐ DRY TO RESERVOIR ☑ STOCK CONCENTRATE

		VEG CYCLE			FLOWER CYCLE								
PRODUCT	UNITS	1 WEEK	2 WEEK	3+ WEEK	1 WEEK	2 WEEK	3 WEEK	4 WEEK	FLUSH	5 WEEK	6 WEEK	7 WEEK	8+ WEEK
PART-A 14-0-8	ML PER GALLON / EC CONTRIBUTED	20 / 1.4	18 / 1.3	17 / 1.2	13 / 0.9	13 / 0.9	12 / 0.9	11 / 0.8	ONE-DAY FLUSH	11 / 0.8	11 / 0.8	11 / 0.8	ONE-WEEK FLUSH
PART-B 2-13-17	ML PER GALLON / EC CONTRIBUTED	20 / 0.8	18 / 0.7	17 / 0.7	13 / 0.5	13 / 0.5	12 / 0.5	11 / 0.4		11 / 0.4	11 / 0.4	11 / 0.4	
BLOOM 0-35-29	ML PER GALLON / EC CONTRIBUTED	0 / 0	0 / 0	0 / 0	13 / 0.4	13 / 0.4	12 / 0.3	11 / 0.3		11 / 0.3	11 / 0.3	11 / 0.3	
	TARGET EC	2.2	2.0	1.9	1.8	1.8	1.7	1.6		1.6	1.6	1.6	
FRONT-ROW Si Add to reservoir first Agitate for 15-30 min	ML PER GALLON	0.5	0.5	0.5	0.5	0.5	0.5	0.5		0.5	0.5	0	
CLEAN UP Use only to raise pH.	ML PER GALLON	5-25	5-25	5-25	5-25	5-25	5-25	5-25		5-25	5-25	5-25	
TRIOLOGIC* (Formerly UNLEASH) 1 inoculation per week	ML PER GALLON	1	X	1	X	1	X	1		X	1	X	
BIOFLO 1 application per week	ML PER GALLON	See label instructions. One application per week.							30	X		X	30

STOCK CONCENTRATE MIXING INSTRUCTIONS

WITH SCALE

- Part A - 849 grams per gallon (RO)
  *Validate EC, adjust as needed
- Part B - 569 grams per gallon (RO)
  *Validate EC
  - Adjust to as high as 795 grams per gallon (RO), *Validate EC
  - Due to highest quality magnesium inputs, formula is hygroscopic and final target volume has most expected variance
- Part Bloom - 667 grams per gallon (RO)
  *Validate EC, adjust as needed

FRONT-ROW Si

- Add first to reservoir or injection line
- Injection Range – 0.2% to 2%
  - Dilute 50 mL of Front Row Si concentrate from bottle per gallon reverse osmosis water
  - Inject at 20 mL per gal or 0.53% for 5 ppm mono-silicic acid
- Injection Range – 0.03% to 0.3%
  - Dilute 250 mL of Front-Row Si concentrate from bottle per gallon reverse osmosis water
  - Inject at 5 mL per gal or 0.13% for 6 ppm mono-silicic acid
- Proper injection range is 4 ppm to 9 ppm mono-silicic acid
  - Decrease ppm mono-silicic acid as EC of feed strength increases

CLEAN UP

- 70 grams per gallon RO water
- Inject at 5 - 25 mL per gallon to raise pH to desired level (5.6-6.4)

TRIOLOGIC

One inoculation per week

*EC VALIDATION

- EC Validation may be used to gain a high degree of accuracy.
  - Remove exactly 20 mL well mixed stock concentrate and dilute in exactly 1 gallon RO water.
  - Adjust until EC lands within the following ranges:
    - Part A: 1.4 EC ±0.1 (add water EC)
    - Part B: 0.8 EC ±0.1 (add water EC)
    - Bloom: 0.6 EC ±0.1 (add water EC)

WITHOUT A SCALE — 25LB BAGS - 55 GAL DRUMS

Part A -
- One 25 LB bag added to 12 gallons water will make about 13 gallons of Stock Concentrate.
- For a full drum, mix 4 bags Part A to 48 gallons water slowly, Final volume is around 53 gallons of Stock Concentrate.

Part B -
- One 25 LB bag added to 15 gallons water will make about 17 gallons of Stock Concentrate.
- For a full drum, mix 3 bags Part B to 50 gallons slowly, Final volume is around 55 Gallons
  VALIDATE EC – target final volume may vary
  *Due to highest quality magnesium inputs, formula is hygroscopic and final target volume has expected variance

Part Bloom -
- One 25 LB bag added to 15 gallons water will make about 17 gallons of Stock Concentrate.
- For a full drum, mix 3 bags of Bloom to 55 gallons slowly, Final volume is around 51 Gallons

*Due to variances in measuring devices, if a high level of accuracy is desired, EC validation may be used. See below.

WITHOUT A SCALE — 5LB BAG - 5 GAL BUCKET

Part A
- One 5 LB bag added to 2.5 gallons water will make about 2.75 gallons of Stock Concentrate
- For a full bucket, mix 2 bags Part A to 5 gallons water slowly Final volume is around 5.5 gallons

Part B
- One 5 LB bag added to 3.5 gallons water will make about 4 gallons of Stock Concentrate
  *Due to highest quality magnesium inputs, formula is hygroscopic and final target volume has expected variance

Part Bloom
- One 5 LB bag added to 3 gallons water will make about 3.4 gallons of Stock Concentrate

*Due to variances in measuring devices, if a high level of accuracy is desired, EC validation may be used. See below.

GENERAL INFORMATION

DO NOT USE FEED CHART AS IS!

All feed charts are general recommendations and should be adjusted to your specific scenario. This feed chart is based on medium feed strength and standard nursery 2 gallon pot size irrigating as needed. Adjust EC strength for the following factors.

Lower EC:
- Sensitive strains
- Frequent dryback (multiple waterings per day)
- Smaller pot size
- Low runoff of 30% of less
- Unbalanced VPD
- High temps/Low Humidity

Higher EC:
- Hungry strains
- Fewer drybacks (watering less than once per day)
- High runoff of 30% or more
- Balanced VPD
- Larger pot size

* Do not use source water higher than 0.2 EC to make concentrate. Precipitates and incorrect EC will result.
* Most consumer measuring devices such as scales, reservoirs, measuring cups are not highly accurate leading to mixing variances.

*The **Crop Charging** Grow Method decreases feed strength as the plant matures, while maintaining ideal media EC & promotes the internal storage of nutrients, carbohydrates & proteins in vital syncs within the plant tissue.