



HIGH STRENGTH / LED 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

*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.

PRODUCT	UNITS	VEG CYCLE			FLOWER CYCLE								
		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	32 2.35	28 2.09	26 1.90	19 1.36	19 1.36	17 1.18	17 1.18	ONE-DAY FLUSH	14 1.01	14 1.01	13 0.94	ONE-WEEK FLUSH
PART-B 2-13-17	ML PER GALLON EC CONTRIBUTED	32 1.24	28 1.10	26 1.00	19 0.70	19 0.70	17 0.62	17 0.62		14 0.53	14 0.53	13 0.50	
BLOOM 0-35-29	ML PER GALLON EC CONTRIBUTED	0 0	0 0	0 0	19 0.60	19 0.60	19 0.60	19 0.60		18 0.57	18 0.57	17 0.53	
	TARGET EC	3.6	3.2	2.9	2.6	2.6	2.4	2.4		2.1	2.1	2.0	
FRONT-ROW Si Add to reservoir first Agitate for 15-30 min	ML PER GALLON	0.13	0.25	0.25	0.33	0.33	0.33	0.33		0.5	0.5	0.5	
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	1	1	1	1	1	1		1	1	1	
BIOFLO 1 application per week	ML PER GALLON	See label instructions. One application per week.								30	X		

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),
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)

*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)

READ FIRST: This High Strength Feed Chart should ONLY be used when the following parameters are met.

Media Requirements:

- Coco Coir or Inert Media such as Rockwool
- Pot Size 1.5 - 2 gallon
- Clone directly transplanted to final pot from root plug
- Plant spacing: 1.2 - 1.25 Sq feet per plant in Flower

Environmental Requirement:

- Can maintain VPD ranges ideal for growth

Lighting Requirement: Gradual PPF acclimation for Clone through Flower

- Clones finish at higher than 200 PPF
- Veg finishes higher than 425 PPF
- Flower phase starts around 800 PPF
- Flower Day 9 higher than 1100 PPF

Irrigation Requirement:

- Runoff at every irrigation: 25% - 50%
- Maximize water oxygen content via circulation
- Source water less than 100ppm (0.2 EC)

Irrigation Frequency:

- Do not overwater
- See Approximate Irrigation Schedule below - USE DISCRETION. Ideal irrigation schedule is determined by finding the point in time where the driest plant is 3-4 hours away from experiencing drought stress (wilting or flagging)
- Irrigate to 25% - 50% Runoff

APPROXIMATE IRRIGATION SCHEDULE

DAY	1	10	16	20	2	4	6	8+ DAILY
	VEG				FLOWER			

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 45 gallons slowly, Final volume is around 51 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 45 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 gallons water will make about 3.4 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.

DO NOT USE FEED CHART AS IS! All feed charts are general recommendations and should be adjusted to your specific scenario.

* 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.