HYDROPONICS/SOILLESS MEDIUM FEEDING SCHEDULE

All values are in grams (g) per 100 Gallons (378.5 Liters) unless otherwise indicated.

Stage of Growth	Grow Stage				Fruiting / Flowering Stage							
Number of Weeks	**Week 1**	**Week 2**	**Week 3**	**Week 4**	**Week 1**	**Week 2**	**Week 3**	**Week 4**	**Week 5**	**Week 6**	**Week 7**	**Week 8**
Nitrogen (optional) (ammonium sulfate)	70 g (4 Tbs)	70 g (4 Tbs)	70 g (4 Tbs)	70 g (4 Tbs)	-	-	-	-	-	-	-	-
Phosphorus	65 g (4 Tbs)	-	-	65 g (4 Tbs)	65 g (4 Tbs)	80 g (5 Tbs)	100 g (6 Tbs)	80 g (5 Tbs)	65 g (4 Tbs)	65 g (4 Tbs)	50 g (3 Tbs)	-
Potassium	-	-	45 g (2 Tbs)	45 g (2 Tbs)	75 g (3 Tbs)	90 g (4 Tbs)	120 g (5 Tbs)	180 g (8 Tbs)	150 g (7 Tbs)	120 g (5 Tbs)	90 g (4 Tbs)	45 g (2 Tbs)
Kelp	20 g (2 Tbs)	20 g (2 Tbs)	30 g (3 Tbs)	30 g (3 Tbs)	30 g (3 Tbs)	30 g (3 Tbs)	30 g (3 Tbs)	20 g (2 Tbs)	20 g (2 Tbs)	20 g (2 Tbs)	20 g (2 Tbs)	-
Humic Acid	30 g (3 Tbs)	30 g (3 Tbs)	40 g (4 Tbs)	40 g (4 Tbs)	40 g (4 Tbs)	40 g (4 Tbs)	40 g (4 Tbs)	30 g (3 Tbs)	30 g (3 Tbs)	20 g (2 Tbs)	20 g (2 Tbs)	-
Fulvic Acid	20 g (3 Tbs)	20 g (3 Tbs)	30 g (4 Tbs)	30 g (4 Tbs)	30 g (4 Tbs)	30 g (4 Tbs)	30g (4 Tbs)	20 g (3 Tbs)	20 g (3 Tbs)	30 g (4 Tbs)	30 g (4 Tbs)	-
Silica (AgSil) (potassium silicate)	-	50 g (4 Tbs)	75 g (6 Tbs)	75 g (6 Tbs)	100 g (8 Tbs)	100 g (8 Tbs)	100 g (8 Tbs)	100 g (8 Tbs)	75 g (6 Tbs)	75 g (6 Tbs)	50 g (4 Tbs)	-
Yucca	15 g (2 Tbs)	15 g (2 Tbs)	20 g (3 Tbs)	20 g (3 Tbs)	20 g (3 Tbs)	20 g (3 Tbs)	20 g (3 Tbs)	20 g (3 Tbs)	20 g (3 Tbs)	20 g (3 Tbs)	20 g (3Tbs)	30 g (4 Tbs)
Calcium/Magnesium (Cal Mag)	-	55 g (4 Tbs)	80 g (6 Tbs)	80 g (6 Tbs)	55 g (4 Tbs)	55 g (4 Tbs)	25 g (2 Tbs)	25 g (2 Tbs)	25 g (2 Tbs)	25 g (2 Tbs)	-	-
Amino Acids	60 g (4 Tbs)	120 g (8 Tbs)	120 g (8 Tbs)	120 g (8 Tbs)	120 g (8 Tbs)	80 g (5 Tbs)	80 g (5 Tbs)	60 g (4 Tbs)	60 g (4 Tbs)	30 g (2 Tbs)	30 g (2 Tbs)	-

All values are in milliliters (mL) per 100 Gallons (378.5 Liters) unless otherwise indicated.

Stage of Growth	Grow Stage				Fruiting / Flowering Stage							
Number of Weeks	Week 1 Clone	Week2	Week3	Week4	Week 1	Week2	Week3	Week4	Week5	Week6	Week7	Week8
Grow Nutrient (Liquid) A & B ***use equal amts. A & B**	500 - 700 mL	700 - 1000 mL	700 - 1000 mL	1000 - 1300 mL	-	-	-	-	-	-	-	-
Bloom Nutrient (Liquid) A & B ***use equal amts. A & B**	-	-	-	-	1000 - 1500 mL	1000 - 1500 mL	1000 - 1500 mL	1500 - 1800 mL	1500 - 1800 mL	1000 - 1500 mL	1000 - 1500 mL	700 - 1000 mL

RECOMMENDATIONS

General

- Ideal daytime temperature should be 75° - 80° F. If using extra CO2 temps can be 75° - 85° F.
- Ideal night time temperature should be 66° - 72° F. No more than a 10° difference between daytime and nighttime temperatures in controlled environments. Humidity in the grow stage should be approx. 60% and in flowering stage should be approx. 50%.
- Soillessmedia and Coco growers should test the PPM's of your runoff after watering. If it is much higher than what you just fed, use less (or no) fertilizer on the next watering. Be careful
- not to OVER water. If the top 1" - 2" of medium feels dry, it's generally safe to water your plant. Water until a good runoff is achieved to avoid salt build-up.

Product Specific

- **AgSil:** Add AgSil to tank first, then adjust pH.AgSil is very alkaline and may be used to raise pH in hydroponics. Handle with care.
- **Calcium nitrate:**In concentrated form, calcium nitrate should be used separately from phosphates and sulfates.
- **Magnesium Sulfate:** For best results, keep separate from phosphates (such as PK Boost) in concentrated form.
- **Nitrogen:** Please note that nitrogen supplements are optional, depending on the specific needs of the crop. It may be used at the roots or as a foliar feed at low dose to treat nitrogen deficiencies if they appear (general chlorosis).
- **Phosphorous:** Reduce phosphorous rates if used in conjunction with a PK Boost formula. Phosphorous is quite acidic, so use with care as a foliar spray.Consult CannAg Crop Advisors for specific recommendations based on leaf/nutrient analyses.
- **Potassium:** Reduce potassium rates if used in conjunction with a PK Boost formula. Reduce rates if there are signs of a magnesium deficiency (interveinal yellowing of older, bottom leaves). Consult CannAg Crop Advisors for specific recommendations based on leaf/nutrient analyses.
- **Kelp:** Kelp works 50% better when combined with humic/fulvic acid.
- **Humic acid:** If using humic acid without fulvic acid, increase dosage until it is double that of kelp.
- **Fulvic acid:** If using fulvic acid without humic acid, increase dosage until is double that of kelp.
- **Yucca:** Yucca is also an excellent wetting agent for foliar sprays. Use at low dose (1/16th tsp) per gallon.
- **Amino Acids:** If using ammonium sulfate supplements, reduce the dosage of amino acids at that time.
- **Calcium/Magnesium:** Calcium/magnesium dosage rates may be reduced if using hard water. Consult with CannAg Crop Advisors for specific recommendations based on water/leaf analyses.
- **Liquid Concentrate Nutrients - Grow:** Target EC during vegetative growth stage should be between 1.2 – 1.6 after all fertilizers and supplements have been added. Consult CannAg Crop Advisor for further information.
- **Liquid Concentrate Nutrients – Bloom:** Target EC during fruiting and flowering stage should be between1.8-2.4 after all fertilizers and supplements have been added. Optional: It may be desirable to flush accumulated salts during final week of flowering.