

## 1. Clone/Vegetative Growth Week 1-3:

1/4 Cup Insect Frass per gallon of dechlorinated or R.O. water.

Dechlorinate by allowing water to sit over night or with an air stone for 20 minutes.

Insect Frass is not 100% soluble so an extract must be made for systems that have the potential to clog. (i.e. mist, drip, etc.) To create an extract, simply put Frass in a nylon stocking and allowing it to sit in water for 10-20 minutes, agitating the nylon by hand periodically.

If using R.O. water first dissolve up to 1 tbsp Gypsum per gallon water. 200-300ppm

Monitor the pH while adding Frass.

Keep the pH in the 5.5-6.5 range.

We recommend using organic methods to lower pH (i.e. lemon juice, vinegar, peat tea), although inorganic methods may also be used to achieve desired pH.

It is important to keep your reservoir aerated at all times. Air stones should be set to run continuously (24/7).

*If not using a nitrogen fixing bacteria, supplement with 100-200 ppm of an organic sodium nitrate like Nitrex\**

### Recommended Supplements:

Add Humic/Fulvic acid, soluble Kelp, Mycorrhizae and Nitrogen fixing bacteria as per product instructions.

## 2. Bloom/Fruiting Week 4-10:

1/4-1/2 Cup Insect Frass per gallon of dechlorinated or R.O. water.

If using R.O. water first dissolve up to 1 tbsp Gypsum per gallon water. 200-300ppm

Monitor the pH while adding frass.

Keep the pH in the 5.5-6.5 range.

We recommend using organic methods to lower pH (i.e. lemon juice, vinegar, peat tea), although inorganic methods may also be used to achieve desired pH.

### Recommended Supplements:

Add Humic/Fulvic acid and soluble Kelp as per product instructions.

*If not using a nitrogen fixing bacteria, supplement with 100 ppm of an organic sodium nitrate like Nitrex\**

## 3. Ripening/Finishing Final 4-5 days:

Dechlorinated water only

### Recommended Supplements:

Add Carbohydrates (Sweeteners) as per product instructions.

# Organic Hydroponics High Yielding Crop Feeding Schedule

Hours of light	18	18	18	12	12	12	12	12	12	12	12	12
Growth Phase	Seed, Clone	Vegetative		switch	Flowering - Fruiting							Finish
week	-1	1	2	3	4	5	6	7	8	9	10	5 days
Insect Frass	1 tbsp	1/4 cup	1/4 cup	1/4 cup	1/4 cup	1/2 cup	1/2 cup	1/2 cup	1/2 cup	1/4 cup	1/4 cup	0
Gypsum/ CaCO3	200 ppm	200 ppm	200 ppm	200 ppm	200 ppm	200 ppm	200 ppm	200 ppm	200 ppm	200 ppm	200 ppm	0
Nitrex**	0	100 ppm	200 ppm	200 ppm	200 ppm	100 ppm	100 ppm	100 ppm	0	0	0	0
Recommended Supplements												
Humic Acid	Yes @	Yes @	Yes @	Yes @	Yes @	Yes @	Yes @	Yes @	Yes @	Yes @	Yes @	0
Soluble Kelp	Yes @	Yes @	Yes @	Yes @	Yes @	Yes @	Yes @	Yes @	Yes @	Yes @	Yes @	0
Mycorrhizae	Yes @	Yes @	Yes @	0	0	0	0	0	0	0	0	0
N Fixing Bacteria	Yes @	Yes @	Yes @	0	0	0	0	0	0	0	0	0
Carbs/ Sweetener	0	0	0	0	0	0	0	0	0	Yes @	Yes @	Yes@

All application rates are per gallon r.o. water. \*\* If using nitrogen fixing bacteria, Nitrex\* can be eliminated or use at half dose. @ = Use as per product directions.

\*All brand and product names are trademarks of their respective companies. CaCO3 is calcium carbonate