

THE GENESIS FORMULA™

Stage Feeding Schedule

This schedule is for **high light** environments in hydroponic and indoor gardens employing CO₂. The suggested rates are intended for use when changing reservoir water and may need adjustment based on your specific plant species or cultivars, light conditions and/or growing conditions.

Stage of Development	The Genesis Formula™ MicroBase	The Genesis Formula™ Grow #1	The Genesis Formula™ Bloom #3	Bio-Genesis™ Synergy™	Liquid Sand™ Potassium-Silicate	EC* (PPM)
Unrooted Cuttings & Seed Starts	1.25 mL/Gal (¼ tsp)	1.25 mL/Gal (¼ tsp)	—	5.0 mL/Gal (1 tsp)	—	0.2 – 0.3 (150-220)
Root Formation	5.0 mL/Gal (1 tsp)	2.5 mL/Gal (½ tsp)	2.5 mL/Gal (½ tsp)	5.0 mL/Gal (1 tsp)	2.5 mL/Gal (½ tsp)	1.0 – 1.2 (600-850)
Young Plants in Vegetative Stage	7.5 mL/Gal (1½ tsp)	7.5 mL/Gal (1½ tsp)	2.5 mL/Gal (½ tsp)	5.0 mL/Gal (1 tsp)	3.75 mL/Gal (¾ tsp)	2.0 – 2.2 (1000-1500)
Mature Plants in Vegetative Stage	10.0 mL/Gal (2 tsp)	10.0 mL/Gal (2 tsp)	—	5.0 mL/Gal (1 tsp)	5.0 mL/Gal (1 tsp)	2.3 – 2.5 (1200-1800)
Transition to Flowering	15.0 mL/Gal (3 tsp)	10.0 mL/Gal (2 tsp)	—	10.0 mL/Gal (2 tsp)	5.0 mL/Gal (1 tsp)	2.5 – 3.0 (1500-2000)
Fruit Set & Flower Formation	12.5 mL/Gal (2½ tsp)	5.0 mL/Gal (1 tsp)	7.5 mL/Gal (1½ tsp)	7.5 mL/Gal (1½ tsp)	5.0 mL/Gal (1 tsp)	2.4 – 2.8 (1400-2000)
Fruit or Flower Sizing	12.5 mL/Gal (2½ tsp)	—	12.5 mL/Gal (2½ tsp)	5.0 mL/Gal (1 tsp)	5.0 mL/Gal (1 tsp)	2.4 – 2.8 (1400-2000)
Fruit or Flower Ripening Stage	15.0 mL/Gal (3 tsp)	—	10.0 mL/Gal (2 tsp)	2.5 mL/Gal (½ tsp)	2.5 mL/Gal (½ tsp)	2.5 – 3.0 (1500-2000)

Fruit or Flower Rinse **OPTION 1:** Five days before harvest, empty reservoir and replace with pH-balanced water containing a rinsing agent for the first 3 days. Change water reservoir every day. During the last 2 days, use pH balanced water only (no nutrients/chemicals). **OPTION 2:** use pH balanced plain water only 7-10 days before harvest.

* EC (PPM) values do not include conductivity of your water supply. Values may differ slightly depending on meter conversion factor.

Tip #1 – For **outdoor plants** or if **very large indoor plants** are desired, **The Genesis Formula™ Grow #2** may be substituted for Grow #1 from the young vegetative stage to the end of transition into flowering. **Use ample light.**

Tip #2 – Reduce suggested use rate by 10-20% if any of the following conditions apply; if 2 or more conditions apply reduce use rate 30-40%:

- ◆ Your plants are growing in a high temperature-low humidity environment
- ◆ Your plants are growing outdoors in soil. Repeat application every 3rd or 4th watering
- ◆ Your container plants are in potting soil amended with fertilizers (only for the 1st 20 days; then use 100% strength)
- ◆ Your plants are growing in low light levels or light levels below recommendations for that species
- ◆ You are not employing CO₂ in your indoor or hydroponic garden

Tip #3 – For best results, dilute desired products in water in the following order:

1. Fertilizers or Nutrients containing Calcium (Ca) [Grow #1, Grow #2, Bloom #3]
2. Fertilizers or Nutrients containing Phosphorus (P) [Bloom #3, MicroBase]
3. Any other elemental fertilizers or supplements
4. Any organic additives (seaweeds, compost teas, etc.)
5. pH adjusters
6. Synergy™ (solutions containing Synergy must be applied to the plants within 12 hours of mixing)
7. Any microbial inoculants
8. Mix well and agitate often when combining multiple products; **keep water reservoir well oxygenated**

Tip #4 – Keep diluted **nutrient temperatures between 65-75°F.**

Tip #5 – If using RO, DI or soft water below 80-100 PPM **add Calcium-Magnesium** supplement to your feeding schedule.

Tip #6 – In hydroponic gardens, we suggest that you **change your water reservoir every 7-10 days and top-off** the reservoir between changes. Use ¼-½ of the suggested application rate per gallon of top-off water.

BIO-GENESIS

Foliar Spray Recommendations

The following foliar spray schedule is intended as a supplement to your normal feeding schedule and will offer you the following benefits when used as part of a complete crop/plant management program, for both elemental and organic production. **Apply every 7-14 days:**

- ◆ Enhanced growth and fruit/flower development
- ◆ Improved flavor, smell and fruit/flower quality
- ◆ Induced systemic resistance to insects, diseases and environmental stress
- ◆ Increased yield

Stage of Development	Bio-Genesis™ Synergy™ Organic Liquid Plant Stimulant	Bio-Genesis™ High Tide™ Organic Liquid Seaweed	Bio-Genesis™ Mineral Matrix™ Organic Liquid Micronutrients
Vegetative Stage immediately after root formation	5 mL/Gal (1 tsp)	5 mL/Gal (1 tsp)	5 mL/Gal (1 tsp)
Transition to Flowering	10 mL/Gal (2 tsp)	10 mL/Gal (2 tsp)	7.5 mL/Gal (1½ tsp)
Bloom/Flowering Stage until 3 rd -4 th week; avoid flowers	5 mL/Gal (1 tsp)	5 mL/Gal (1 tsp)	5 mL/Gal (1 tsp)

The values suggested here are for reference only. Specific environmental conditions, light and pH levels will vary dependent upon plant species and/or cultivars. Always determine the optimum growing conditions for your plants before you begin any program.

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