

TRIED & TRUE FOR OVER 20 YEARS



GROW NUTRIENT #1

Original Mush Style

N	P	K	Ca
12	0	12	12

The Grow Nutrient #1 is specially formulated for maintaining sturdy compact, lush foliage during leaf production. It is a nitrate nitrogen blend that provides calcium and additional potassium for vigorous root growth. Use with MicroBase for a complete nutritional program.

- Properly balanced, flexible in design and Easy to Use
- Constructed of essential nutrients to cultivate healthy, vigorous plants
- Designed with nitrate N for compact vegetative growth in short cycle plants
- Recommended for indoor plants and plants in lower light conditions



GROW NUTRIENT #2

Original Mush Style

N	P	K	Ca
15	0	8	8

The Grow Nutrient #2 is specially formulated for rapid growth and accelerated branching. It is blended with fast acting ammoniacal nitrogen plus calcium for strong, thriving plants. Use with MicroBase for a complete nutritional program.

- Properly balanced, flexible in design and Easy to Use
- Constructed of essential nutrients to cultivate healthy, vigorous plants
- Designed with ammoniacal N for easy absorption
- Recommended for indoor plants under high light in accelerated growth environments and for outdoor plants



BLOOM NUTRIENT #3

Original Mush Style

N	P	K	Ca
6	15	17	4

The Bloom Nutrient #3 is specially formulated to promote flowering and provide additional phosphorus essential for strong bud set, rapid floral development, fruit yield and high quality fruits and vegetables. Use with MicroBase for complete nutrition during flowering; Or, as a supplement with Grow Nutrient #1 or #2 to stimulate root development during vegetative cycle. Bloom #3 is also excellent for seedlings and cuttings when used with MicroBase.

- Constructed of essential nutrients to cultivate healthy, vigorous plants
- Designed with high phosphorus, potassium and calcium to encourage bud formation, bloom and root growth
- Suggested for flowering or fruiting plants



MICROBASE B

Original Mush Style

N	P	K
3	10	19

The MicroBase B is the foundation - The Base - for the Genesis Formula™ nutrient system. MicroBase was specially formulated for use during each stage of plant development. It offers N-P-K plus sulfur and eight essential micronutrients to help plants grow strong.

- Properly balanced, flexible in design and Easy to Use
- Constructed of essential nutrients to cultivate healthy, vigorous plants
- Designed with the perfect ratio of 8 essential micronutrients plus nitrate nitrogen, phosphorus and potassium
- Recommended for use with Genesis Formula™ Grow #1, #2 and Bloom #3

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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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