



**PLANT
FOOD
COMPANY, INC.**

38 Hightstown-Cranbury Station Road
Cranbury, New Jersey 08512
(800) 562-1291 ~ Fax: (609) 443-8038
www.plantfoodco.com

GUARANTEED ANALYSIS

Total Nitrogen (N) ----- 10.0000%
 4.5 % Nitrate (N)
 4.5 % Ammonical (N)
 1.0 % Urea (N)
 Available Phosphate (P2O5) ---- 4.0000%
 Soluble Potash (K2O) ----- 6.0000%
 Sulfur (S) ----- . 2500%
 Boron (B) ----- . 0170%
 Copper (Cu) ----- . 0090%
 Iron (Fe) ----- . 1250%
 Manganese (Mn) ----- . 0100%
 Zinc (Zn) ----- . 0065%

Derived from: Ammonium Nitrate CAS #6484-52-2
 Urea CAS #57-13-6, Phosphoric Acid CAS #7764-38-2, Potassium Hydroxide CAS #1310-58-3,
 Potassium Chloride CAS #7447-40-7, Ammonium Thio Sulfate CAS# 7783-20-2, Iron EDTA Chelate, Solubor, Manganese EDTA Chelate, Copper EDTA Chelate, and Zinc EDTA Chelate.

- pH Range 6.5- 7.0
- Potential Acidity: 512 lbs. CCE Per Ton
- Weight Per Gallon: 10.3 pounds
- Shake well before use

General Information:

Blu-Gro 10-4-6 is formulated to supply 45% of the Nitrogen in the nitrate form, 45% in the Ammonical form and 10% in urea form to provide a balanced nitrogen response. It is designed with a lower phosphorous content to help prevent plant elongation, low in chlorides to help prevent salt buildup in media and was created to eliminate the uneven application of dry fertilizers and problems caused by uncontrolled release of "slow release" granular fertilizers.



10-4-6

Greenhouse Special with Quick Release Nitrogen and Micronutrients

Desired Injections Ratio	100PPM Nitrogen	150 PPM Nitrogen	200 PPM Nitrogen
1:300	31.1 fl oz	48.6 fl oz	62.1 fl oz
1:200	21.6 fl oz	32.4 fl oz	43.2 fl oz
1:150	16.2 fl oz	24.3 fl oz	32.4 fl oz
1:128	13.8 fl oz	20.7 fl oz	27.6 fl oz
1:100	10.8 fl oz	16.2 fl oz	21.6 fl oz
1:50	5.4 fl oz	8.1 fl oz	10.8 fl oz
1:30	3.2 fl oz	4.9 fl oz	6.5 fl oz
1:24	2.6 fl oz	3.9 fl oz	5.2 fl oz
1:15	1.6 fl oz	2.4 fl oz	3.2 fl oz

Use a dosage between 100 ppm and 200 ppm nitrogen. Let plant growth and soil or media tests determine which concentration to use. One half gallon of water per square foot is a normal watering rate used with constant feeding.

Desired ppm X injection ratio / wt X 128oz
 % nutrient 1200 gal gal

Direct Injection: 100 ppm : set injector @ 1:1237
 150 ppm : set injector @ 1:824
 200 ppm : set injector @ 1:620

Normal Feeding:

Tank Mixing: Add 1 ½ quarts of 10-4-6 liquid fertilizer to 100 gallons of water and apply as a normal watering or at a rate of 1 quart of solution for every square foot of planted surface area every 7 to 14 days.

HOZON: 1:15 Proportioner: Add 3 fluid ounces of 10-4-6 liquid fertilizer for each gallon of water for a normal dosage of 200ppm constant feeding with every watering.

1:100 RATIO Proportioner: Add 22 fluid ounces of 10-4-6 liquid fertilizer for each gallon of water as the concentrate for a normal dosage of 200ppm constant feeding with every watering.

INJECTION FEEDING USING ELECTRO CONDUCTIVITY (E.C.)

The E.C. of 10-4-6 is 420 mMho/cm
 At the sprinkler head:

- .42 = 100 ppm Nitrogen
- .84 = 200 ppm Nitrogen
- 1.26 = 300 ppm Nitrogen

Determine the E.C. of your irrigation water. Increase rates accordingly.

Pots, Flats, Container material of foliage plants: For this type of plant material, use 473 ppm Nitrogen on a 7-14 days schedule or as plants indicate a need. Apply as a normal watering. Applied as a constant feed with every watering, use 100-200 ppm Nitrogen.

Tuberous begonias and similar tender plant materials: If you have a doubt as to the sensitivity of the plant material, we recommend half the normal dosage on a 14 days feeding schedule. The schedule should be shortened if the plants indicate the need for a higher fertility rate.

Transplanting vegetable and flower plants: Use 1 ½ pints of 10-4-6 liquid fertilizer per 50 gallons of water and water in thoroughly. This rate is also effective on roses and ornamental shrubs.

Hand Watering: Mix ¾ to 1 teaspoon of Blu-Gro 10-4-6 per gallon of water and apply as a normal watering.

Tank Mixing:

Prior to any fertilizer or pesticide application, all spray mixing and application equipment must be cleaned. A quality tank cleaner is recommended. Carefully observe all cleaning directions on the pesticide and fertilizer label. Fill the spray or mix tank at least ¾ full of water and begin agitation. Add pesticides and/or fertilizers as directed by labeling or in the following sequence:

- 1) Dry flowables or water dispersible granules,
- 2) Wettable powders,
- 3) Flowables,
- 4) Emulsifiable concentrates,
- 5) Water based solutions,
- 6) Compatibility agents,
- 7) Micronutrients and fertilizer,
- 8) Spray adjuvant

Caution:

Keep away from children and domestic animals. Avoid contact with eyes, open cuts, or sores. Harmful if swallowed. External: Flood with water. Internal: Induce vomiting. Contact a physician immediately.

Storage and Handling:

Store in a cool, dry place. Keep container tightly closed. Do not add water or other material to the container. Do not contaminate water, food, or feed by storage or disposal. Do not store near acids or other acidic materials

Store above 50 °F. Do not allow to freeze