



## Microbial Plant Food Jump Starts Your Plants

### Benefits to Plants:

- Helps plants establish fast.
- Increases bloom counts.
- Improves root & shoot growth.

### Benefits to Soil:

- Reduces soil compaction.
- Reduces soil salt levels & nutrient runoff.
- Increases resistance to droughts & floods.

# Bio-tone® Starter

## F A C T S H E E T

### GUARANTEED ANALYSIS

Total Nitrogen (N).....3%  
0.90%...Ammonical Nitrogen  
0.90%...Nitrate Nitrogen  
1.20%...Urea Nitrogen  
Derived from: Urea Ammonium Nitrate

Non-Plant Food Ingredients: Most commonly occurring bacteria: *Bacillus licheniformis*, *B. oleronius*, *B. lentimorbus*, *B. marinus*, *B. megaterium*. Minimum viable cells = 1000 colony forming units/cubic centimeter/(1000 cfu/fl. oz.). Contains 2% humic acid from Leonardite.

## What is Bio-tone Starter?

Bio-tone Starter is a liquid concentration containing an active community of thousands of living microbes. This unique blend of indigenous bacteria is blended with humates and a nitrogen source to help promote faster establishment, deeper roots, and a superior soil structure.

Bio-tone Starter also includes a diverse collection of proteins and organic acids that are derived naturally from the fermentation process. No genetic engineering is involved in making Bio-tone Starter: a product with a proven track record of success that is supported by over 400 field tests and 30 years of lab trials (see reverse side for more information).

## Directions

Shake well before using. Mix 1-2 ounces (2-4 Tbsp.) of Bio-tone Starter per gallon of water and apply evenly to soil. Additional applications may be made once a month along with an appropriate Espoma Tone plant food.

For more information on Bio-tone Starter and other Espoma products, visit [www.espoma.com](http://www.espoma.com)

For more information about our products and services please contact our customer support department at:

The Espoma Company • 6 Espoma Road, Millville, NJ 08332 • Telephone: 1-888-ESPOMA1 (888-377-6621) • Fax: 856-825-1385 • [www.espoma.com](http://www.espoma.com)



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## RESEARCH & DEVELOPMENT

Over 400 field tests and 5 years of lab trials.

**More Blooms:** Impatiens were transplanted in pots and given a complete fertilizer treatment every 14 days. Five weeks after transplant, those that were treated with Bio-tone Starter in addition to the fertilizer showed a 87% increase in bloom count over those that just received the fertilizer treatment.



Impatiens 5 weeks after transplant.

**Quicker Harvest:** Bell peppers were transplanted in pots and given a complete fertilizer treatment every 14 days. Six weeks after transplant, those that were treated with Bio-tone Starter in addition to the fertilizer showed a 96% increase in root weight, 313% in shoot weight, and 89% increase in height over those that just received the fertilizer treatment.



Bell Peppers 6 weeks after transplant.

**Better Color:** Coleus were transplanted in pots and given a complete fertilizer treatment every 14 days. Six weeks after transplant, those that were treated with Bio-tone Starter were observed to have a broader leaf measurement and better color over those that just received the fertilizer treatment.



Coleus – 6 weeks after transplant.

**Stronger Roots:** New Guinea Impatiens were transplanted in pots and given a complete fertilizer treatment every 14 days. Five weeks after transplant, those that were treated with Bio-tone Starter in addition to the fertilizer showed a 76% increase in root weight over those that just received the fertilizer treatment.



New Guinea Impatiens – 5 weeks after transplant.

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