



A BIOLOGICAL FARM MANAGEMENT SYSTEM (BFMS™) GUIDE FOR: Ornamental Trees and Shrubs

PLANTING:

Root dip new trees or shrubs before planting in a solution of one (1) pound of **BioGENESIS I™** and 12.5 oz. **PEPZYME M™** in 20 gallons of water. For best results, soak roots in solution for up to twelve hours before planting.

EASY TREATMENT FOR ESTABLISHED TREES:

- Apply 1-2 **BioCAPS™ 13 GRAM** per tree, or **BioCAPS™ 2.5 GRAM** for smaller shrubs as follows: make a six inch hole at the drip line, place one **BioCAP™** in the hole and cover with soil. Water in. Can use up to four evenly spaced capsules for stressed or injured trees or shrubs. Apply **BioCAPS™** two or more times per year, ideally in spring and fall.
- Apply 1/2 lb. of **CARBO II™** and 12.5 oz. of **PEPZYME M™** per acre. Mix together and water in at drip line. (Easy per-tree measurements: Mix 12.5 oz **PEPZYME M™** and 1/8 lb. of **CARBO II™** in 20 gallons of water. Apply to drip line at a rate of 1/2 gallon per tree, depending on tree size.)

ECONOMY TREATMENT FOR ESTABLISHED TREES:

Apply the following mixture: 1 lb of **BioGENESIS I™**, 12.5 oz of **PEPZYME M™**, and 1/2 lb. of **CARBO II™** per acre. Mix in water and spray on soil at drip line of tree. (Easy per tree measurements: mix 1lb of **BioGENESIS I™**, 12.5 oz of **PEPZYME M™**, and 1/2 lb. of **CARBO II™** in 20 gallons of water. Apply to drip line at a rate of 1/2 gallon per tree, depending on size.)

FOLIAR TREATMENTS:

Apply **Micro 5000™** foliar treatment at a rate of 2.66 oz. - 5.50 oz. per acre as soon as leaf buds emerge in the spring. Follow with **PZ 1000™** foliar treatment two weeks later at a rate of 2.66 oz. - 5.50 oz. per acre. Subsequent foliar applications should be applied every two weeks throughout growing season, alternating between **PZ 1000™** and **Micro 5000™**. *Caution: Do not apply foliar to conifer (evergreen) plants.*

FOR BEST RESULTS:

- Apply foliar in early morning or evening when temperature is below 80° F.
- Do not combine microbial products with antibiotics or materials that contain chlorides, bromine, fluorine, or elemental copper. Use in separate applications at least two days apart.
- Premix products before adding to tank if agitation systems are not mechanical.
- This protocol is intended as support for your fertility program and not as a replacement. It is designed for simplicity and compatibility with almost any fertility program. Our specific recommendations to you may vary depending on your own unique situation.

FOR ORGANIC APPLICATIONS, PLEASE SUBSTITUTE THE FOLLOWING:

BioGENESIS I NP™ for **BioGENESIS I™**

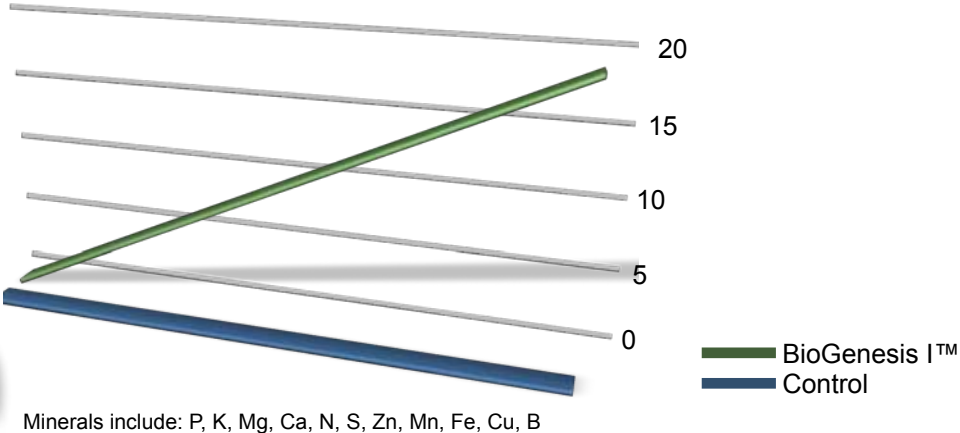
PEPZYME CLEAR™ for **PEPZYME M™**

MICRO 5000 ORGANIC™ for **MICRO 5000™** and **PZ 1000™**

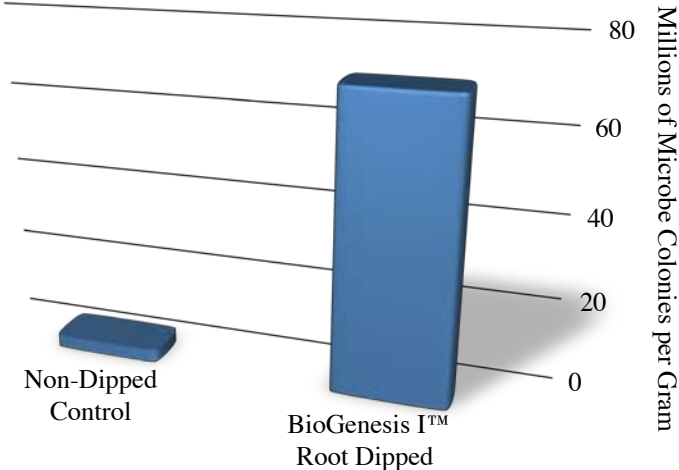
BFMS™ PROGRAM RESULTS



% GAIN OF PLANT EXTRACTABLE MINERALS IN 15 DAYS (1.26% PER DAY). BIOGENESIS I™ VS CONTROL



ROOT DIPPING WITH BIOGENESIS I™ CREATES A HEALTHY ZONE AROUND ROOTS



THE ROLE OF BENEFICIAL MICROBES

- Increase mineral availability
- Promote healthy root growth
- Break down organic debris
- Break down toxins
- Improve soil tilth