



TAINIO TECHNOLOGY & TECHNIQUE, INC.

Natural Growing Through Technology

A BIOLOGICAL FARM MANAGEMENT SYSTEM (BFMS™) GUIDE FOR: Citrus

PLANTING:

Root dip new trees 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.

- OR -

Prepare soil by applying **BioGENESIS I™** at a rate of one (1) pound per surface acre and **PEPZYME M™** at a rate of 12.5 oz. per surface acre.

SOIL TREATMENT FOR ESTABLISHED GROVES:

Treat rows with **BioGENESIS I™** at a rate of one (1) pound per acre and **PEPZYME M™** at a rate of 12.5 oz. per acre. Treatments can be fertigated on or applied as band applications (2-4 feet on each side of the tree row).

FOLIAR TREATMENTS:

A foliar application of **Micro 5000™** foliar treatment should be applied at pre-bloom or full bloom at a rate of 2.66 oz. - 5.50 oz. per acre. Follow with **PZ 1000™** foliar treatment fourteen days later at an equal rate per acre. Subsequent foliar applications should be applied every two weeks throughout growing season and through harvest, alternating between **PZ 1000™** and **Micro 5000™**.

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.
- Mixing foliar fertilizers with thinning sprays could cause over-thinning. Use in separate applications.
- 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™**

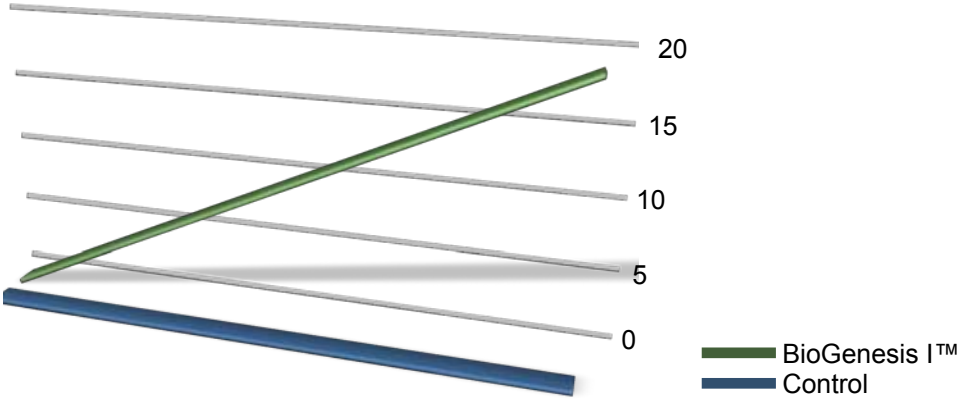
PEPZYME CLEAR™ for **PEPZYME M™**

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

BFMS™ PROGRAM RESULTS

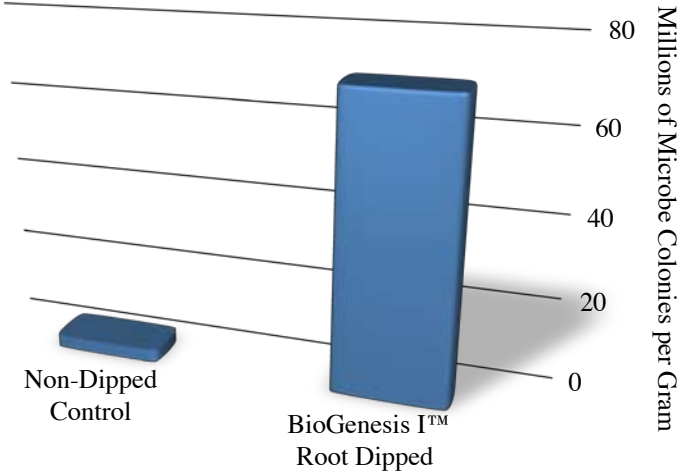


% GAIN OF PLANT EXTRACTABLE MINERALS IN 15 DAYS (1.26% PER DAY). BIOGENESIS I™ VS CONTROL



Minerals include: P, K, Mg, Ca, N, S, Zn, Mn, Fe, Cu, B

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