



TAINIO TECHNOLOGY & TECHNIQUE, INC.

Natural Growing Through Technology

A BIOLOGICAL FARM MANAGEMENT SYSTEM (BFMS™) GUIDE FOR: The Home Garden

PREPARING VEGETABLE AND FLOWER BEDS

Before Planting

Apply the following to the soil through spray application:

- **BioGENESIS I™** at a rate of 50 - 100 grams per 5000 sq. ft.
- **PEPZYME M™** at a rate of 27 fl. oz. per 5000 sq. ft.
- For soils with low organic matter (sandy soils), add **CARBO II™** at a rate of 25 grams per 5000 sq. ft.

For Established Beds

Side dress rows, bedding plants, and shrubs through spray applications with the above products.

MAINTAINING GROWING VEGETABLES AND FLOWERS

Apply **MICRO 5000™** foliar spray at a rate of 20 grams per 5000 sq. ft. of surface area, at least once per month or up to every two weeks during the growing season.

For tomatoes, switch to **PZ 1000™** at the same rate as **MICRO 5000™** after flower emergence. This causes the vine to switch to growing more fruit and less vine.

ORNAMENTAL TREES, SHRUBS, AND ROSES

For Established Trees or Shrubs

Apply **BioCAPS™ 2.5 GRAMS** for shrubs and **BioCAPS™ 13 GRAMS** for trees in spring and fall. Use one capsule per tree or shrub. Up to 3 or 4 capsules per tree may be used for stressed trees/shrubs.

For New Plantings

Root dip bare root stock by mixing 1/4 lb. **BioGENESIS I™** in 5 gallons of water, soak overnight, then plant. For trees with a root ball, open two **BioCAPS™ 13** and sprinkle into planting hole on and around roots before covering. **BioGENESIS I™** may be used instead of **BioCAPS™ 13**.

For Broadleaf Trees, Bushes, and Shrubs Only

Apply **MICRO 5000™** foliar spray at a rate of 20 grams per 5000 sq. ft. of surface area, once per month, or up to every two weeks during the growing season. Please note that foliar sprays can plug the vascular system of conifer trees.

FRUIT TREES

Follow the same program as for ornamental trees, except for the foliar program. Instead, alternate **PZ 1000™** and **MICRO 5000™** foliar sprays every 2 or 3 weeks throughout the growing season. Finish up with one last foliar feeding of **MICRO 5000™** just after harvest to ensure good bud set for the next year.

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 2 days apart.
- Premix products before adding to sprayer. Strain or decant any residue that falls to the bottom of the mixing bucket. (This residue is still good product, so rather than waste it, simply discard it onto your soil or lawn!)
- **PEPZYME™** can be mixed with any of the microbial products and sprayed in the same application.
- 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™**



GARDEN GROWN UNDER THE BFMS™ PROGRAM

