



TAINIO TECHNOLOGY & TECHNIQUE, INC.

Natural Growing Through Technology

A BIOLOGICAL FARM MANAGEMENT SYSTEM (BFMS™) GUIDE FOR: Vegetable and Melon Crops

SPRING SOIL PREPARATION WITH BIOLOGICALS:

If soil preparation for spring planting is done in the spring, apply one (1) pound of **BioGENESIS I™** and 12.5 oz. **PEPZYME M™** per surface acre.

FALL SOIL PREPARATION (OR BUDGET PLAN) WITH BIOLOGICALS:

If soil preparation for spring planting is done in the fall, you can save money by applying 50 grams of **SPECTRUM™** and 12.5 oz. of **PEPZYME M™** per surface acre. Immediate incorporation is necessary to protect **SPECTRUM™** microbes from UV damage. For best first year results with **SPECTRUM™**, fall application is recommended to give the microbes more time to establish before planting.

SOIL TREATMENT FOR PLANTED FIELD:

Side dress rows with **BioGENESIS I™** or **SPECTRUM™**, and **PEPZYME M™**.

SEED TREATMENT:

Treat seeds with **BioGENESIS III SD™** before planting.

FOLIAR TREATMENTS:

Apply **Micro 5000™** foliar fertilizer at a rate of 2.66 oz. - 5.50 oz. per acre as soon as true leaves emerge. Repeat every two weeks until harvest.

FOR BEST RESULTS:

- Apply foliars 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:

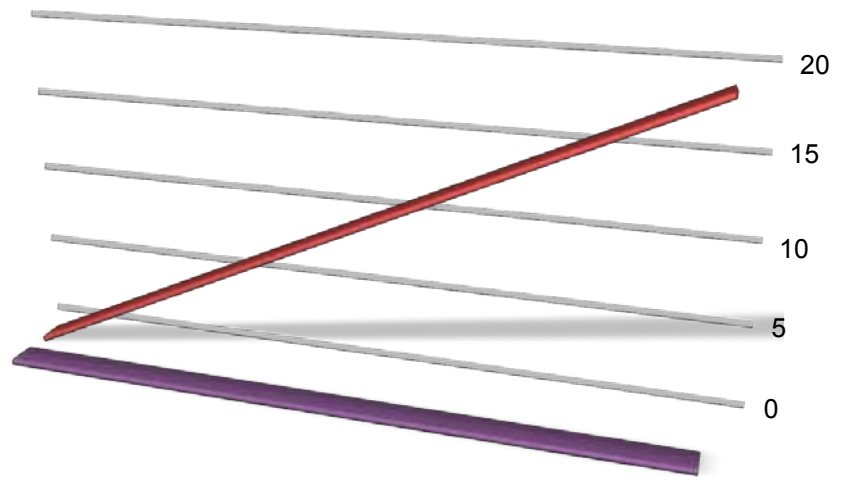
BioGENESIS I NP™ for **BioGENESIS I™**

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



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

— BioGenesis I™
— Control

THE ROLE OF BENEFICIAL MICROBES

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

