



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

### 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™ PEPZYME M™**.

### FOLIAR TREATMENTS:

Apply **Micro 5000™** foliar fertilizer at a rate of 2.66 oz. to 5.50 oz. per acre as soon as true leaves emerge. Foliar applications should be applied every two weeks alternating with **PZ 1000™** as long as weather permits.

### 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™**

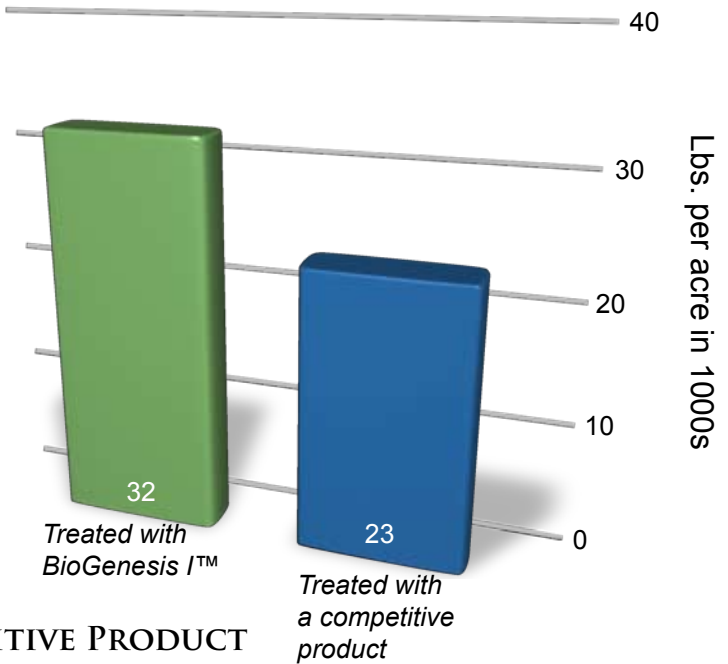
# BFMS™ PROGRAM RESULTS

## POTATO FIELD TRIAL

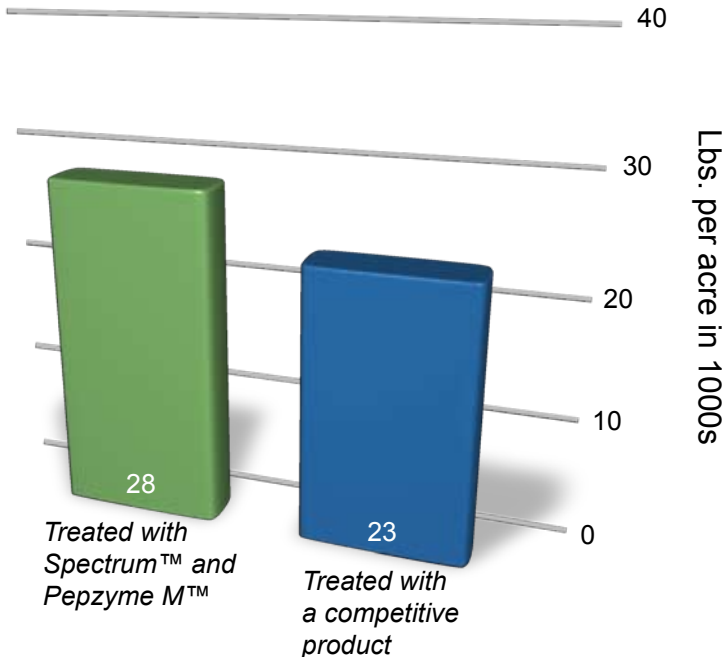
Yields on both fields were achieved in one season. With each year on the BFMS™ program, the grower can expect progressively higher yields, healthier plants, and lower fertilizer requirements.



**POTATO YIELD:  
BIOGENESIS I™ VS. A COMPETITIVE PRODUCT**  
27% YIELD INCREASE WITH BIOGENESIS I™



**POTATO YIELD:  
SPECTRUM™ & PEPZYME M™ VS. A COMPETITIVE PRODUCT**  
12% YIELD INCREASE WITH SPECTRUM™ AND PEPZYME M™



These field trials were conducted in a northern climate. Products were applied in the spring before planting on both fields. Although yield in the far northern climate is less than what a grower further south would expect, the significance is in the percentage of increase in yield per acre.

