SPRING SOIL PREPARATION WITH BIOLOGICALS:
Apply MycoGenesis™ or BioGenesis I NP at a rate of 1 lb per surface acre and Pepzyme G™* or NutraNeed™ at a rate of 12.5 oz per surface acre. Incorporation not necessary.

FALL SOIL PREPARATION:
If soil preparation for spring planting is done in the fall, you can give the microbes a good head start and save money by applying 50 grams of Spectrum™ or 155 grams of Spectrum + Myco™ and 12.5 oz of Pepzyme G™* or NutraNeed™ per surface acre. To protect Spectrum™ microbes from UV damage, incorporate immediately, or apply with BFMS Soluble Humate Powder™ or NutraNeed™. For best first year results with Spectrum™, fall application is recommended to give the microbes ample time to establish before planting. Adding carbon is recommended especially in soils with low organic matter.

SOIL TREATMENT FOR PLANTED FIELD:
Side dress rows with 1 of the following combinations:
- BioGenesis I NP™ and Pepzyme G™* or NutraNeed™
- MycoGenesis™ or BioGenesis I™* and Pepzyme G™* or NutraNeed™
- Spectrum™ and Pepzyme G™*

FOLIAR TREATMENTS:
Apply Micro 5000™* foliar fertilizer at a rate of 75 to 150 grams per acre as soon as true leaves emerge. Foliar applications should be applied every 2 weeks alternating with PZ 1000™* until harvest.

FOR ORGANIC APPLICATIONS, PLEASE SUBSTITUTE:
- NutraNeed™ or Pepzyme Clear™ for Pepzyme G™
- Micro 5000 Organic™ for Micro 5000™ and PZ 1000™
- MycoGenesis™ or BioGenesis I NP™ for BioGenesis I™

FOR BEST RESULTS:
- To avoid plugging: If agitation systems are not mechanical, premix products before adding to tank. 50-mesh screen is recommended.
- Apply foliar sprays 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.
- 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 fertilizer program. Our specific recommendations to you may vary depending on your situation.
% 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

The Role of Beneficial Microbes
- Promote healthy root growth
- Break down organic debris
- Break down toxins
- Increase mineral availability
- Improve soil tilth

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