



SEED TREATMENT:

Treat seeds with 80 grams of Spectrum+Myco™ per acre before planting.

SOIL TREATMENT FOR PLANTING FIELDS:

Apply 155 grams of Spectrum+Myco™ or 50 grams of Spectrum™ and 12.5 oz. of NutraNeed™ per acre. In furrow application recommended. It can also be applied through fertigation if the field has already been planted.

Every 45 days after the first application, side dress rows or irrigate with 75 grams of Spectrum PSB™ or 50 grams of Spectrum™ with 12.5 oz. of NutraNeed™ per acre.

Each application should be used with 1 of the enzyme products and carbon-based product (i.e. fish hydrolysates, humates, kelp, or other carbon-based fertilizer).

FOLIAR TREATMENTS:

An application of 75 grams of Micro 5000 Organic™ should be applied as soon as full leaves emerge in the spring per acre. Subsequent foliar applications should be applied every 14-30 days throughout growing season with nutrition package from a plant sap analysis through harvest.

FALL SOIL PREPARATION WITH BIOLOGICALS:

If soil preparation for spring planting is done in the fall, you can give the microbes a good head start by applying 50 grams of Spectrum™ and 12.5 oz. of NutraNeed™ per acre. 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 when applying microbial products to the soil.

BEST PRACTICES AND BASIC USAGE RECOMMENDATIONS:

- 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.
- These products are meant to be used together as a package application and are designed to work in conjunction with each other.
- Some growers have reported cutting back on their nitrogen inputs by 40% while using these products after achieving mineral balance.
- During times and stages of high plant stress (pest pressure, disease, etc.) the recommended rates can be doubled, but do NOT exceed a 2X increase as it may result in leaf burn.
- Non-chlorinated or R/O water is best with a pH between 6.0-6.4 if possible. Water over 105°F. can cause shock and harm to beneficial microbes and enzymes.
- Continuous agitation is recommended to keep materials suspended, vortex well and often when mixing and during use.
- Microbial products should be used within 24 hours after adding water.
- Always perform a jar test to ensure that there is no precipitant formation before the first application of any product or combination of products.
- Thoroughly clean and neutralize all tanks, lines, containers and sprayers prior to mixing products, especially after use of any toxic chemicals.

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 unique situation.

