



PRE-PLANT PROPAGATION MEDIA AND STARTER PROGRAM:

1. Prepare planting medium by mixing 10 grams of MycoGenesis™ per cubic yard and mix thoroughly and uniformly.
2. Mix 10 grams Spectrum+Myco™ or MycoGenesis™ and 5 mL of NutraNeed™ in 10 gallons of water to soak plugs or soil prior to propagation.
3. Lightly mist new seedlings with a mixture of 8 grams of Spectrum™ and 2 grams of Micro 5000 Organic™ per gallon of water.
4. Repeat weekly after plants are 12"-15" high and have at least 3 full sets of leaves.

FERTIGATION/SOIL DRENCH:

1. Mix 8 grams of Spectrum PSB™ with 60 mL of NutraNeed™ per gallon of water. After the first soil drench, alternate between Spectrum PSB™ and Spectrum™. For high sodium soils, substitute Spectrum DS™ for the Spectrum™ application.
2. Apply every 7-14 days through drip irrigation or apply 8 oz. per plant around the root zone for 6" pot, 32 oz. per 5 gallon pot, 64 oz. per 10 gallon pot, etc.

FOLIAR SPRAY MIST:

1. Mix 4 grams of Micro 5000 Organic™ and 8 grams of Spectrum™ with nutrition package based off plant sap analysis per gallon of water.
2. Lightly mist directly on the leaf surface every 7-14 days.

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.

