



Natural Growing  
Through Biology

A BIOLOGICAL FARM MANAGEMENT SYSTEM (BFMS) GUIDE FOR:  
**Hemp (Field)**

**SOIL TREATMENT FOR PLANTING FIELDS:**

Apply 155 grams Spectrum + Myco™ or 50 grams Spectrum™ and 12.5 oz Pepzyme G™\* per acre. In-furrow application recommended.

**SOIL TREATMENT FOR PLANTED FIELD:**

- Side dress rows or irrigate with 155 grams Spectrum + Myco™ or 50 grams Spectrum™ per acre and Pepzyme G™\* at a rate of 12.5 oz per acre.
- Every 45 days after the first application, side dress rows or irrigate with 75 grams Spectrum PSB, or 50 grams Spectrum per acre and Pepzyme G™\* at a rate of 12.5 oz per acre.

**SEED TREATMENT (IN ADDITION TO SOIL TREATMENT):**

Treat seeds with BioGenesis III™ Seed Treatment or MycoGenesis Seed Treatment™ before planting.

**FOLIAR TREATMENTS:**

A foliar application of Micro 5000™\* foliar treatment should be applied as soon as leaf buds emerge in the spring at a rate of 2.66 oz (75 g) per acre. Follow in 14 to 21 days with PZ 1000™\* foliar treatment at a rate of 2.66 oz (75 g) to per acre. Subsequent foliar applications should be applied every week to 2 weeks throughout growing season and through harvest, alternating between PZ 1000™\* and Micro 5000™\*.

**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 Pepzyme G™\* per surface acre. To protect Spectrum™ microbes from UV damage, incorporate immediately, or apply with 1 pound BFMS Soluble Humate Powder™ or 12.5 ounces Nutra Need™. 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 low organic matter soils.

**FOR BEST RESULTS:**

- To avoid plugging: Premix products before adding to tank if agitation systems are not mechanical. 50 mesh screen is recommended.
- Apply foliar 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.

**\*FOR ORGANIC APPLICATIONS, PLEASE SUBSTITUTE:**

- Nutra Need™ or Pepzyme Clear™ for Pepzyme G™
- Micro 5000 Organic™ for Micro 5000™ and PZ 1000™

*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 own unique situation.*