

Spectrum – Soil Inoculant

Natural Growing Through Biology



BFMS® Biological Farm Management System™

SPECTRUM™

Biological Soil Inoculant



CONTAINS NON-PLANT FOOD INGREDIENTS

Live beneficial soil microbes of the following types and minimum numbers of colony forming units (CFUs) per gram:

Arthrobacter globiformis 1X10⁸; *Azospirillum brasilense* 1X10⁸; *A. lipoferum* 1X10⁸; *Azotobacter chroococcum* 1X10⁸; *A. paspali* 1X10⁸; *A. vinelandii* 1X10⁸; *Bacillus amyloliquefaciens* 1X10⁸; *B. atrophaeus* 1X10⁸; *B. licheniformis* 1X10⁸; *B. megaterium* 1X10⁸; *B. pumilus* 1X10⁸; *B. subtilis* 1X10⁸; *B. thuringiensis* 1X10⁸; *Brevibacillus brevis* 1X10⁸; *Micrococcus luteus* 1X10⁸; *Pseudomonas fluorescens* 1X10⁸; *P. putida* 1X10⁸; *Rhodospseudomonas palustris* 1X10⁸; *Rhodospirillum rubrum* 1X10⁸; *Streptomyces griseus* 1X10⁸

99.99% Inert carrier ingredients

APPLICATION

Apply at a rate of **50 grams (1.76 oz) per acre**. Spectrum is designed for subsurface application; however, it may be sprayed on ground surface if soil incorporation is done immediately. May be applied to the soil by aerial spraying, ground sprayer, shanked in with fertilizer liquids, by furrow or flood irrigation, hand lines or center pivot sprinkler systems, or sprinkler or drip irrigation.

Protect microbes from U.V. damage by incorporating immediately, or applying with BFMS® NutraNeed or other humic acid product.

To Avoid Plugging: Premix in water before adding to spray tank.

Information regarding the contents and levels of metals in this product is available on the internet at:
<http://www.aapfco.org/metals.htm>

Caution:

- Keep out of reach of children and pets.
- Do not swallow.

Contains live soil microbes:

- Store below 80° F.
- Do not freeze.
- Keep out of direct sunlight.
- Color and density may vary.

Manufactured & Guaranteed by

Tainio Biologicals, Inc.
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Net weight: ____ grams (____ oz) Treats: ____ acre(s) Lot: ____ Exp. Date: ____

Spectrum™ Soil amendment contains a multiple species blend of plant growth promoting rhizobacteria (PGPR) and other beneficial plant growth promoting microorganisms (PGPs). This specially formulated soil inoculant enhances and restores beneficial soil microbe populations to augment the natural organic processes that occur in healthy soils.

- The beneficial soil-based microorganisms in Spectrum™ break down and release vital nutrients (such as phosphorus, nitrogen, calcium, iron, and more) stored in soil particles, making the nutrients more readily available to the plants in forms they can absorb.
- Plant growth promoting microorganisms produce organic acids and amino acids, which dissolve and make available (chelate) mineral nutrients.
- Spectrum™ assists and speeds nature in decomposition and recycling of organic matter into an important substance known as humus, building richer, healthier soil.

- Spectrum™ is approved for use on certified organic crops and is listed by OMRI (Organic Materials Review Institute) and the WSDA (Washington State Department of Agriculture) Organic Program.

Disclaimer: All products are for Agricultural use only. By your purchase of this product(s) you agree to only use the product(s) in strict compliance with the instructions of use on the product label and recognize that Tainio Biologicals, Inc. is not liable in any manner for any off label use.

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