

# Spectrum + Myco



Natural Growing

Through Biology



BFMS® Biological Farm Management System™

## SPECTRUM + MYCO™

Biological Soil Inoculant

### CONTAINS NON-PLANT FOOD INGREDIENTS

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

*Arthrobacter globiformis* 1X10<sup>5</sup>; *Azospirillum brasilense* 1X10<sup>5</sup>; *A. lipoferum* 1X10<sup>5</sup>; *Azotobacter chroococcum* 1X10<sup>5</sup>; *A. paspali* 1X10<sup>4</sup>; *A. vinelandii* 1X10<sup>5</sup>; *Bacillus amyloliquefaciens* 1X10<sup>6</sup>; *B. atrophaeus* 1X10<sup>5</sup>; *B. licheniformis* 1X10<sup>5</sup>; *B. megaterium* 1X10<sup>5</sup>; *B. pumilus* 1X10<sup>4</sup>; *B. subtilis* 1X10<sup>4</sup>; *Brevibacillus brevis* 1X10<sup>6</sup>; *Micrococcus luteus* 1X10<sup>5</sup>; *Pseudomonas fluorescens* 1X10<sup>5</sup>; *P. putida* 1X10<sup>6</sup>; *Rhodospseudomonas palustris* 1X10<sup>4</sup>; *Rhodospirillum rubrum* 1X10<sup>4</sup>; *Streptomyces griseus* 1X10<sup>4</sup>

Live beneficial Mycorrhizal fungi of the following types and minimum Propagules per gram:

*Glomus intraradices* 1x10<sup>1</sup>, *G. etunicatum* 1x10<sup>1</sup>, *G. aggregatum* 1x10<sup>1</sup>, *G. mosseae* 1x10<sup>1</sup>

99.99% Inert carrier ingredients

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.
- Mix with non-chlorinated water.
- Keep out of direct sunlight.
- Color and density may vary.

#### Manufactured & Guaranteed by

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### APPLICATION

Apply at a rate of **155 grams (5.5 oz) per acre**. Spectrum + Myco 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 a humic acid product.

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

Net weight: \_\_\_\_\_ grams (\_\_\_\_\_ oz) Treats: \_\_\_\_\_ acres Lot: \_\_\_\_\_ Exp. Date: \_\_\_\_\_

Designed with budget-conscious crops in mind, Spectrum + Myco combines all of the powerful plant supporting benefits of Spectrum and Mycorrhizal fungi in one convenient package.

## What is Mycorrhizal Fungi?

The term Mycorrhizal — which literally means fungus (myco) root (rhyzo) — refers to the symbiotic relationship between certain fungi and plant roots. These fungi receive sugars from the plant, and in return, aid the plant in the uptake of water and nutrients in the soil.

The Mycorrhizal fungi form branch-like structures called hyphae, which extend the surface area of root hairs to provide greater access to resources available in the soil. Hyphae are smaller than root hairs, and therefore able to penetrate further into the soil to seek out minerals and

moisture. When the resources in the immediate area are depleted, the hyphae simply extend further into the soil to find new supplies.

### **Mycorrhizal Fungi + Beneficial Bacteria**

With the increased usable surface area provided to the plant by the Mycorrhizal fungi, the plant has greater access to the nutrients present in the soil; and by adding the Tainio blend of plant growth promoting microbes, those nutrients are broken down through enzymatic action, facilitating easier uptake by the mycorrhizal fungi. The soil bacteria also benefit from the enzymes secreted by the mycorrhizal fungi. A symbiotic relationship is formed wherein plant, mycorrhizal fungi and bacteria all benefit and flourish.

- Spectrum+Myco™ is approved for use on certified organic crops and is listed by OMRI (Organic Materials Review Institute).

*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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