

Natural Growing

Through Biology



# TAINIO<sup>®</sup>

## BIOLOGICALS, INC.

BFMS<sup>®</sup> Biological Farm Management System<sup>™</sup>

# RHIZOGENESIS<sup>™</sup>

Biological Root 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>6</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>5</sup>; *B. thuringiensis* 1X10<sup>5</sup>; *Brevibacillus brevis* 1X10<sup>6</sup>; *Lysinibacillus sphaericus* 1X10<sup>6</sup>; *Micrococcus luteus* 1X10<sup>5</sup>; *Pseudomonas fluorescens* 1X10<sup>5</sup>; *P. putida* 1X10<sup>6</sup>; *Rhodopseudomonas 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 Propogules 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>

89.99% Inert microbial carrier/support ingredients

10% Cornstarch polymer

### APPLICATION

For bare root trees, seedling flats, transplants, etc. Mix **1 pound (454 grams/16 oz) of RhizoGenesis<sup>™</sup>** with up to 20 gallons of water, as needed to treat 300-600 trees, or plants to cover one acre. Dip roots into solution and plant. For optimum results, let plant roots soak in solution overnight before planting. Any remaining solution may be used as a side dress after planting or poured directly onto the soil.

#### For Best Results:

Add 12.5 oz. of a Pepzyme<sup>™</sup> product for every 1 pound (454 grams/16 oz) of RhizoGenesis<sup>™</sup> applied.

For maximum benefit of RhizoGenesis<sup>™</sup>, it is important that the Mycorrhizae contact the root or are in the root zone of the plant. If material is going to be surface sprayed, BioGenesis I NP<sup>™</sup> is the best option.

Although the microbes in our formulas are quite hardy and robust, certain chemicals can cause high mortality rates, therefore, for maximum benefit, it is important to clean your spray equipment before use, do not mix the beneficial microbe packages with chemicals, and recognize that re-inoculation is often necessary after many chemical sprays.

#### Caution:

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

#### Contains live soil microbes:

- Store below 120° F.
- Keep out of direct sunlight.
- Color and density may vary.

#### Manufactured & Guaranteed by

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Net: \_\_\_\_ grams (\_\_\_\_ oz) Treats: \_\_\_\_ acre(s) Lot: \_\_\_\_ Exp. Date: \_\_\_\_