

MycoGenesis – Soil Based Microorganisms + Mycorrhizal Fungi

Natural Growing  Through Biology

TAINIO
BIOLOGICALS, INC.

BFMS® Biological Farm Management System™

MYCOGENESIS[™]
Biological Root Inoculant


For Organic Use

CONTAINS NON-PLANT FOOD INGREDIENTS

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

Arthrobacter globiformis 1X10⁵; *Azospirillum brasilense* 1X10⁵; *A. lipoferum* 1X10⁵; *Azotobacter chroococcum* 1X10⁵; *A. paspali* 1X10⁴; *A. vinelandii* 1X10⁵; *Bacillus amyloliquefaciens* 1X10⁵; *B. atrophaeus* 1X10⁵; *B. licheniformis* 1X10⁵; *B. megaterium* 1X10⁵; *B. pumilus* 1X10⁴; *B. subtilis* 1X10⁵; *B. thuringiensis* 1X10⁵; *Brevibacillus brevis* 1X10⁵; *Micrococcus luteus* 1X10⁵; *Pseudomonas fluorescens* 1X10⁵; *P. putida* 1X10⁵; *Rhodopseudomonas palustris* 1X10⁴; *Rhodospirillum rubrum* 1X10⁴; *Streptomyces griseus* 1X10⁴

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

Glomus intraradices 1x10¹; *G. etunicatum* 1x10¹; *G. aggregatum* 1x10¹; *G. mosseae* 1x10¹
99.99% inert microbial carrier/support ingredients

APPLICATION	<p>Row crops Apply in seed row at planting at a rate of 1 pound (454 grams/16oz) MycoGenesis™ per acre.</p> <p>Root Injection For trees, mix 1 pound (454 grams/16 oz) of MycoGenesis™ in 20 gallons of clean water. For established trees, inject 64-128 ounces per tree into the root zone around the drip-line of the tree.</p>	<p>Root Dip For trees or plants, mix 1 pound (454 grams/16 oz) of MycoGenesis™ in 20 gallons of clean water. Dip roots into solution and plant.</p> <p>Potted plants Mix 1 gram of MycoGenesis™ into a gallon of water. Drench the mixture into pots to saturate the plants roots. Use approximately 10 grams of MycoGenesis™ per cubic yard of soil mix.</p>	<p>For Best Results: Add 12.5 oz. of a Pepzyme™ product for every 1 pound of MycoGenesis™ applied.</p> <p>For maximum benefit of MycoGenesis™, 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 NPT™ is the best option.</p>
	<p>Caution:</p> <ul style="list-style-type: none"> • Keep out of reach of children and pets. • Do not swallow. 	<p>Contains Live Soil Microbes:</p> <ul style="list-style-type: none"> • Store below 80° F; Do not freeze. • Keep out of direct sunlight. • Color and density may vary. • Mix with non-chlorinated water. 	<p>Manufactured & Guaranteed by Tainio Biologicals, Inc. PO Box 19185, Spokane, WA 99219 tel. 509.747.5471 • info@tainio.com www.tainio.com</p>
	<p>Net weight: _____ grams (_____ oz) Treats: _____ acre(s) Lot: _____ Exp. Date: _____</p>		

MycoGenesis™ soil amendment contains our best blend of beneficial soil-based microorganisms plus mycorrhizal fungi. MycoGenesis colonizes, nourishes and aids plant roots and the surrounding rhizosphere for improved crop health, greater drought tolerance and mineral availability (i.e. phosphorus, nitrogen, calcium, iron, and more) and a robust soil food web.

What is Mycorrhizal Fungi?

The term Mycorrhizal — which literally means fungus (myco) root (rhizo) — 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.

MycoGenesis is approved by OMRI for use on certified organic crops.

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.

CONTACT: www.rockdustlocal.com/contact

Tel: 802-758-2220 Reference Tainio Biologicals