

# MycoStim™

## Mycorrhizae Root Inoculant

*MycoStim is a soil and root inoculant containing the spores of Mycorrhizae and Trichoderma beneficial fungi. These beneficial fungi colonize plant roots and greatly increase the roots' ability to take up nutrients and water. These unique microbes help to keep plants vigorous. A mycorrhizal plant is able to survive with less fertilizer and water than a non-mycorrhizal plant.*

### DESCRIPTION

**Mycorrhizae:** A blend of 8 super-strains of endo and ecto mycorrhizae that are adaptable to a wide range of soils, pH, plant species, and environmental conditions

**Trichoderma:** two different species of a naturally-occurring fungus found in disease suppressive soils

**Beneficial bacteria:** aggressive root colonizers that form a protective barrier around the root

Value-added with amino acids, kelp extracts, and humic acids

### BENEFITS

#### INCREASES:

- Stress resistance
- Plant quality, yields, and vigor
- Water and nutrient uptake

#### REDUCES:

- Plant decline and loss from stress
- Need for irrigation and fertilizers
- Time to produce a marketable crop or plant

#### PROMOTES:

- More extensive and healthier roots
- Stress resistance
- Faster growth

### ACTIVE INGREDIENTS:

#### BENEFICIAL RHIZOSPHERE MICROBES

Glomus Intraradices	4 propagules per cc	8.5%
Glomus Mosseae	4 propagules per cc	
Glomus Aggregatum	4 propagules per cc	
Rhizopogon Villosullus	264 propagules per cc	
Rhizopogon Luteolus	264 propagules per cc	
Rhizopogon Amylopogon	264 propagules per cc	
Rhizopogon Fulvigleba	264 propagules per cc	
Pisolithus Tinctorius	10,575 propagules per cc	
Trichoderma Harzianum	15,865 propagules per cc	
Trichoderma Konigii	15,865 propagules per cc	

#### ALSO CONTAINS NON-PLANT FOOD INGREDIENTS:

8%	Humic Acids derived from Leonardite Ore
7%	Sea Kelp Extract derived from Ascophylum Nodosum
76.5%	Cotton Seed Meal

Net weight: 30 lbs.



Manufactured by:

Terra Nova Turf Products: a division of Organic Laboratories, Inc.  
2963 SE Dominica Terrace, Stuart, FL 34997 772-286-5581 [www.organiclabs.com](http://www.organiclabs.com)



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MycoStim™ contains living microorganisms that establish a beneficial symbiotic relationship with the roots of the host plant. Make applications in such a way that maximum contact between plant roots and MycoStim™ will occur. MycoStim™ spores need to come into contact with a root to start a successful colonization of the entire root system. Once root colonization has been established, a maintenance application should be made every 90 days.

Tree and Shrub Transplants	After placing tree into planting hole, backfill $\frac{3}{4}$ of the way, then mix MycoStim™ into the remaining backfill (upper 6-8”), and finish backfilling. Use $\frac{1}{2}$ cup (4oz) for every 1” caliper of tree. For shrubs, use 1 tablespoon for each gallon size increment of shrub container. Apply MycoStim™ to holes probed into the root ball and along the sides.
Established Trees	Drill 3” diameter holes 8-10” deep in the ground beneath the tree canopy in a grid pattern with holes 3 feet apart. Start the grid 1-2 feet away from the trunk and extend the grid 3-6 feet beyond the canopy. Mix $\frac{1}{2}$ cup of MycoStim™ with soil from each hole and cover (or see injection directions for an alternate method)
Palm Trees	Apply 2 cups (16oz) per foot diameter of the planting hole. Mix with backfill and distribute around the upper 12” of the root ball of the plant
Tree Injection	Rate for soil injection equipment: 3lbs per 100 gallons of water. Agitate 5 minutes. Build pressure to 150-200 PSI. Inject $\frac{1}{2}$ gallon 8-10” in depth in a grid pattern from the trunk to 4-5’ out from the drip line. Space injection points 30” apart
Nursery Production	<b>Potting soils:</b> Blend 3 lbs of MycoStim™ per cubic yard of soil <b>Transplanting:</b> Apply 1 tsp of MycoStim™ to transplants of 4” size or less and 1 tbsp to transplants up to 1 gallon size. Apply to roots and sides of transplant hole. <b>Unrooted cuttings:</b> Dip unrooted cuttings into MycoStim™ powder and plant in media. <b>Drench:</b> Apply 6 lbs per 100 gallons of water and apply as a drench to established plantings
Golf Course	<b>Maintenance:</b> Apply 6 lbs per 100 gallons of water per acre at 30 day intervals. <b>Grow In:</b> Apply 9 lbs per 100 gallons of water per acre at time of sprigging or laying sod. <b>Aerifying:</b> Apply 9 lbs per 100 gallons of water per acre after aerification and the turf is clean of litter. <b>Over-Seeding:</b> Blend 1 lb per 100 lbs of seed and broadcast according to seed recommendations. MycoStim may be applied separately at the rate of 9 lbs per 100 gallons of water per acre.
Citrus	<b>Nursery:</b> Blend 3 lbs per cubic yard of soil. <b>Field Planting:</b> Place one cup into the site where tree hole will be drilled. The auger will incorporate MycoStim into the soil. <b>Mudding In:</b> Apply 3 lbs per 100 gallons of water used for mudding in the trees.
Flower Beds	<b>Bed Preparation:</b> Till in to a depth of 1-4 inches at the rate of 1 cup per 100 square feet. <b>Transplants:</b> Apply 1 tsp per transplant directly to the root ball and to the sides of the transplant hole. <b>Transplants (4” and up):</b> 2 tsp sprinkled onto the roots and applied to the sides of the transplant hole. <b>Transplant Dip:</b> Dip the transplant’s roots thoroughly with the powder

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