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Quick Facts:



Product Name:
MycoApply®
Injector Ecto

Formulation:
Suspendable Powder
Ectomycorrhizal Fungi
on a Soluble
Humic Carrier

Concentration:
37,675,000 Ecto
Propagules per gram

Packaging Options:
100 g. Bags (Case = 10)

Applications & Uses:
Horticulture, Greenhouse,
Nursery, Christmas Tree,
Nut Farms, Forestry,
Landscaping, and/or
Restoration

1.0 Overview:

MycoApply® Injector Ecto is a suspendable powder that contains propagules of multiple species of ectomycorrhizal fungi on a humic¹ carrier. The ectomycorrhizal fungi colonize the root systems of plants in a symbiotic manner, expand out beyond the plant roots or rhizosphere region of the soil surrounding the plant roots to acquire nutrients and water, and actively deliver these resources to the plant. The ectomycorrhizal fungi species in MycoApply® Injector Ecto form symbiotic relationships with many hardwood, conifer, and nut tree species.²

MycoApply Injector Ecto contains 37,675,000 propagules per gram of the following five ectomycorrhizal species: *Pisolithus tinctorius*, *Laccaria laccata*, *Scleroderma cepa*, *Suillus granulatus*, and *Rhizopogon villosulus*.

¹Humic Acids may aid in the uptake of micronutrients.

²For specific crop recommendations based on tree species, contact your Distributor or Mycorrhizal Applications Sales Account Manager.

2.0 Application Instructions:

MycoApply® Injector Ecto is a suspendable humic powder mycorrhizal inoculant that is recommended for the following applications: Greenhouses, Nurseries, Christmas Tree Farms, Nut Tree Orchards, Landscapes, and/ or Restoration. This product can also be applied directly to select hardwood and conifers grown in containers, planters, or ground via injector or spray tank.

- *Injector Ecto* can be used on newly seeded, transplanted or established plants, and with newly planted cuttings. The goal is to make physical contact between the active ingredients and the growing roots. Direct the application of *MycoApply Injector Ecto* near the living root or seed of the plant, where new roots will grow through it
- *Injector Ecto* improves the availability of nutrients and water to plants grown in media and soil. Higher levels of available phosphorus can delay the development of the symbiotic relationship with the plant resulting in a delay in the benefits that the mycorrhizae will provide to the plant.

Application Preparation:

Application equipment must be clean and free of any residue or previous product deposits before applying *MycoApply Injector Ecto*.

Fill application tank ½ full of water. Initiate agitation and maintain agitation through application. Add *MycoApply Injector Ecto* directly to the tank. Mix thoroughly to fully disperse the product. Fill tank with remaining amount of water and continue agitation until mixture is uniform. Once dispersed and suspended, continued agitation is required (mechanical or hydraulic). Avoid storage of mixed spray solutions for periods greater than 24 hours. Re-suspension of the spray solution after storage is critical.

IMPORTANT: After mixing *MycoApply Injector Ecto* with water, agitate vigorously. Maintain continuous agitation in the mix tank or stock solution container during mixing and application to assure a uniform suspension. When applying *MycoApply* mechanically, blockage may occur when using screens smaller than #50 mesh. Ensure any screens smaller than #50 mesh are removed during application preparation.

Horticulture Injection Systems:

When using a 1:100 ratio horticulture injector system, mix one 20g Scoop of *MycoApply Injector Ecto* per 1 gallon of water in the stock solution container, following the APPLICATION PREPARATION instructions. This will achieve the target product concentration of 20g of *MycoApply Injector Ecto* per 100 gallons of water for the final application suspension.

Key Benefits:

Root System Growth

- Mycorrhizal fungi support faster plant establishment
- Mycorrhizal hyphae access water and nutrients beyond the root zone and deliver them to the plant's vascular network
- Increases root absorption area
- Increases overall root biomass



Nutrient Efficiency

- Mycorrhizal hyphae absorb and actively deliver nutrients directly to the roots
- Improves utilization of soil nutrients including:
 - Nitrogen
 - Phosphorus
 - Potassium
 - Micronutrients



Water Absorption

- Mycorrhizal hyphae absorb and transport soil moisture from beyond the root zone to the plant's roots
- The mycorrhizal symbiosis increases the plant's effective water utilization capability:
 - Improved tolerance to stress
 - Greater resistance to drought



Application Instructions (continued):

Application Methods:

MycoApply Injector Ecto is designed to be used with Horticulture Injector Systems, and applied via various application methods, including but not limited to:

- Drench Watering Systems
- Soil Drench via Overhead Boom Sprayers or Sprinklers
- Soil Drench via Handheld Backpack or Ground Spray Equipment
- Drip Irrigation Equipment
- Hydromulch or Hydroseed slurry inclusion
- In-Furrow Application at Planting

ALWAYS READ THE PRODUCT LABEL BEFORE USE FOR COMPLETE APPLICATION INSTRUCTIONS, RATES, AND SAFETY PRECAUTIONS.

3.0 Guaranteed Analysis:

CONTAINS NON-PLANT FOOD INGREDIENTS

Soil Amending Guaranteed Analysis

Total Active Ingredients:	18.72%
Ectomycorrhizal fungi: (37,675,000 Propagules per g. Total)	
<i>Pisolithus tinctorius</i>	(25,000,000 propagules/g)
<i>Laccaria laccata</i>	(779,000 propagules/g)
<i>Scleroderma cepa</i>	(3,800,000 propagules/g)
<i>Rhizopogon villosulus</i>	(6,900,000 propagules/g)
<i>Suillus granulatus</i>	(1,196,000 propagules/g)
15% Humic acids derived from leonardite	
Total Inert Ingredients:	81.28%

"This Product is not a Plant Food"

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

4.0 First Aid:

Warning: Nuisance dust; may form combustible dust concentrations in air. Avoid formation of dust. Avoid breathing dust. Use outdoors or in a well-ventilated area.

First Aid Measures

If on Skin:	Wash with soap and water. Then apply hand lotion. Exposure to skin may cause mild irritation and dry skin.
If in Eyes:	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
If Swallowed:	Wash out mouth thoroughly. Consult with doctor if symptoms persist.
If Inhaled:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Consult doctor if symptoms persist.

5.0 Physical Properties:

- 5.1 **State:** Powder
- 5.2 **Appearance:** Dark Brown
- 5.3 **Odor:** Mild

6.0 Storage & Handling:

- 6.1 **Storage:** Store in a dry, cool, well ventilated area. Keep sealed in a properly labeled container. Do not expose to temperatures in excess of 140°F or 60°C.
- 6.2 **Handling:** Minimize dust generation and accumulation. Ensure good ventilation/exhaustion at the workplace.
- 6.3 **Disposal:** Dispose of contents/container in accordance with local/regional/national/international regulations.

7.0 Warranty & Disclaimer:

To the extent consistent with applicable law, seller makes no warranty, express or implied, of merchantability, fitness, or otherwise concerning the use of this product other than as indicated on the label. To the extent consistent with applicable law, user assumes all risk of use, storage, or handling not in strict accordance with accompanying directions.