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**Quick Facts:**



**Product Name:**  
MycoApply® Endo/Ecto

**Formulation:**  
Granular  
Endomycorrhizal and  
Ectomycorrhizal Fungi

**Concentration:**  
60,000 Endo & 110 million  
Ecto Propagules per lb.  
(132.4 Endo &  
242,509 Ecto  
Propagules per gram)

**Packaging Options:**  
40 lb. Bags  
125 lb. Bulk Barrels  
300 lb. Bulk Barrels  
1,000 lb. Bulk Tote Bags

**Applications & Uses:**  
Horticulture, Landscaping,  
Propagation, Arbor Care,  
Turf, Forestry, Restoration,  
and Erosion Control



**1.0 Overview:**

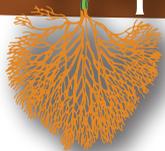
MycoApply® Endo/Ecto is a granular mycorrhizal inoculum consisting of 4 species of endomycorrhizal fungi and 3 genera of ectomycorrhizal fungi. About 95% of the world's plant species form symbiotic relationships with at least one of these types of symbiotic soil fungus. These beneficial fungi greatly increase the effective rooting area of plants, thereby enhancing plant growth, vigor, and tolerance of environmental extremes. MycoApply® Endo/Ecto is a granular material containing mycorrhizal propagules, which colonize roots and extend into the surrounding soil forming an essential link between plants and soil resources. Increasing the rooting area allows improved access to water and nutrients, promoting plant quality and crop performance.

**2.0 Application Instructions:**

MycoApply® Endo/Ecto is a granular mycorrhizal inoculant that can be blended into potting media, mixed into backfill at landscape planting, applied to new or established turf, or utilized in restoration.

**The goal is to create physical contact between the plant roots and inoculant.**

Restoration	Inoculum can be hydromulched or banded in rows with seed during planting at a rate of 15 to 22 lb/a (16.81 to 24.66 kg/ha). Use 40 to 60 lb/a (44.83 to 67.25 kg/ha) to broadcast or rototill before planting.
Nurseries and Greenhouses	Inoculum can be mixed into planting soil/media before/during filling cavities, pots, or trays. May be mixed with mechanical equipment that allows the passage of a #8 screen (2.5 mm or smaller particles). Mix at a rate of 0.95 to 1.19 lb/yd <sup>3</sup> (0.59 to 1.19 kg/m <sup>3</sup> ) Use higher rate for stress.
Landscape Plantings	Potted plants/transplants: Incorporate into backfill at planting at a rate of 1 oz/ft <sup>3</sup> (1 g/L) of backfill. Balled and Burlapped trees and shrubs: Incorporate into backfill at a rate of 1 oz/2 ft <sup>3</sup> (5 g/10 L) of backfill.
Turf	Apply during installation or aerification. New Seeding: mix with seed at 1 oz/1,000 ft <sup>2</sup> of seed. Sod Installation: broadcast over bare soil at a rate of 0.8 - 1.12 oz/1,000 ft <sup>2</sup> Established turf: broadcast at 0.8 - 1.12 oz/1,000 ft <sup>2</sup>



### 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



### 3.0 Guaranteed Analysis:

#### CONTAINS NON-PLANT FOOD INGREDIENTS

##### Soil Amending Guaranteed Analysis

<b>Total Active Ingredients:</b> .....	0.06%
Endomycorrhizal fungi: (60,000 Propagules per lb. Total)	
<i>Rhizophagus intraradices</i> , <i>Funneliformis mosseae</i> , <i>Claroideoglossum claroideum</i> , <i>Claroideoglossum etunicatum</i> (33.1 prop/g each)	
Ectomycorrhizal fungi: (110,000,000 Propagules per lb. Total)	
<i>Rhizopogon villosulus</i> (11,000 prop/g), <i>Pisolithus tinctorius</i> (220,509 prop/g)	
<i>Scleroderma cepa</i> (11,000 prop/g each)	
<b>Total Inert Ingredients:</b> .....	99.94%
Clay (as carrier)	

“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:



**Danger:** Do not handle until all safety precautions have been read and understood. Do not breathe dust. If exposed or concerned get medical advice/attention. Dispose of contents/container in accordance with local/regional/national/international regulations. IF ON SKIN: Wash thoroughly with soap and water. California Proposition 65: This product contains a chemical (quartz) known to the state of California to cause cancer. Quartz is a form of crystalline silica.

#### 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:	If used material is ingested, get medical attention. If large amount of unused material is swallowed, get immediate medical attention.
If Inhaled:	Supply fresh air. If irritation or other symptoms occur, get medical attention.

### 5.0 Physical Properties:

- 5.1 **State:** Granular
- 5.2 **Appearance:** Tan to 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. Use outdoors, or ensure good ventilation/exhaustion when used indoors.
- 6.3 **Disposal:** Dispose of all waste in accordance with local, state, and federal 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.