



MycoApply® EndoThrive™

CONTAINS NON-PLANT FOOD INGREDIENTS: Soil Amending Guaranteed Analysis 0.25% Total Active Ingredients.

<i>Glomus intraradices</i>	(381 propagules/ml)
<i>Glomus mosseae</i>	(381 propagules/ml)
<i>Glomus aggregatum</i>	(381 propagules/ml)
<i>Glomus etunicatum</i>	(381 propagules/ml)

99.75% Total Inert Ingredients (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>

STORAGE CONDITIONS: Product can be stored in a cool, dry area (less than 140°F) out of direct sunlight without loss of viability. Do not freeze.

WARNING: Can cause eye irritation. Use outdoors or in a well-ventilated area. If in eyes: rinse cautiously with water for several minutes. If on skin: wash with plenty of water. Dispose of contents/container in accordance with local/regional/national regulations.

GENERAL INFORMATION

MycoApply EndoThrive is a liquid formulation that contains propagules of multiple species of arbuscular mycorrhizal fungi (AMF) on a non-aqueous liquid carrier. The arbuscular mycorrhizal 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's vascular system.

Arbuscular mycorrhizal fungi form symbiotic associations with roots of most horticulturally important crops.¹

MycoApply EndoThrive contains 720,000 propagules per pint of the following four endomycorrhizal species: *Glomus intraradices*, *G. mosseae*, *G. aggregatum*, *G. etunicatum*.

¹For a list of plant genera and species that benefit from AMF, and for additional crop recommendations other than those listed in this label, contact your Distributor or Mycorrhizal Applications Sales Account Manager.

GENERAL USE INSTRUCTIONS

MycoApply EndoThrive is a liquid formulation that is recommended for the following applications: Ornamental Horticulture, Greenhouses, Nurseries, Turf, Landscape, Restoration, and/or Crops Grown in Greenhouse, Garden, or Field. This product can also be applied to the root zone of plants/crops grown in containers, planters, or ground via injector or spray tank.

- MycoApply EndoThrive can be used on newly seeded, transplanted or established plants/crops, 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 EndoThrive near the living root or seed of the plant, where new roots will grow through it.
- MycoApply EndoThrive 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.

COMPATABILITY WITH OTHER HORTICULTURAL PRODUCTS

MycoApply EndoThrive can be mixed directly with some additives, adjuvants, biocontrol products, fungicides², herbicides, insecticides, fertilizers, and with water. Do not tank-mix MycoApply EndoThrive with other products unless compatibility has been verified. If considering tank-mixing MycoApply EndoThrive with other products use the following compatibility jar test before mixing an entire tank.

Add water from the same water source to a clear glass or plastic jar. Add the products in correct proportions. Mix thoroughly and let stand for a minimum 15 minutes. Separation, gelling, or generation of heat are all signs of incompatibility.² Contact your Distributor or Mycorrhizal Applications Sales Account Manager for fungicide interactions.

Always read and follow all label directions and precautions for each product. When using combinations of products, the most restrictive label limitations and precautions must be followed. Do not mix MycoApply EndoThrive with any product that has a prohibition against tank-mixing. For further information contact your Distributor or Mycorrhizal Applications Sales Account Manager.

MIXING ORDER FOR TANK MIX PARTNERS BY FORMULATION TYPE

- 1) Carrier (water or liquid fertilizer)
- 2) Wettable granules (dry flowables)
- 3) Wettable powders
- 4) MycoApply EndoThrive
- 5) Aqueous solutions
- 6) Emulsifiable concentrates
- 7) Adjuvants

APPLICATION PREPARATION

Application equipment must be clean and free of previous pesticide deposits before applying MycoApply EndoThrive. Fill spray tank ½ full of the carrier (liquid fertilizer or water). Add products in mix order referenced in Mixing Order for Tank Mix Partners by Formulation Type section to the spray tank. Then add the rest of the carrier (liquid fertilizer or water). Make sure that each product is mixed thoroughly and suspended before adding the next product. Maintaining agitation through the mixing and application process is required. Avoid storage of mixed solutions for periods greater than 24 hours. Re-suspension of the solution after storage is critical.

IMPORTANT: After mixing MycoApply EndoThrive 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 EndoThrive 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 8 fluid ounces of MycoApply EndoThrive per 1 gallon of water (62.5 ml. per 1 liter) in the stock solution container, following the APPLICATION PREPARATION instructions. This will achieve the target application concentration of 8 fluid ounces of MycoApply EndoThrive per 100 gallons of water (62.5 ml. per 100 liters) for the final application suspension.

APPLICATION METHODS

MycoApply EndoThrive is compatible for use with Horticulture Injector Systems, and can be applied via various application methods, including but not limited to:

- Drench Watering Systems
- Soil Drench via Overhead Boom Sprayers or Sprinklers
 - *Note: When spraying MycoApply EndoThrive, ensure that spray is directed to the soil surface. When applying with an overhead sprayer, it may be necessary to follow the application with an additional overhead spray of clean water in order to move the active MycoApply ingredients past the foliage, onto the soil or media, and ultimately into the plants' root zone.*
- Soil Drench via Handheld Backpack or Ground Spray Equipment
- Drip Irrigation Equipment
- Hydromulch or Hydroseed slurry inclusion

If you have any questions or concerns regarding additional application methods, please contact your Distributor or Mycorrhizal Applications Sales Account Manager.

APPLICATION INSTRUCTIONS FOR CROP CATEGORIES

TARGET	APPLICATIONS	USE RATE
Greenhouse, Nursery, Turf, Landscape, Restoration	Drench, Hydroseed/Hydromulch, or In-Furrow at Planting	8 fl oz per 100 gallons (62.5 ml per 100 liters)
When applying MycoApply EndoThrive as a drench, it is important that: <ul style="list-style-type: none"> • The application should be uniformly distributed to moist media. • Sufficient water volume is used, allowing movement of product into the root zone. • No more than 10% run off or through of solution occurs. • Application is made at seeding or early stages of plant development for best results and maximum time for establishment. 		

TARGET	APPLICATIONS	USE RATE
Container Application: Greenhouse, Nursery	Overhead Boom Spray, Sprinklers, Sprayers, or Irrigation	8 fl oz per 100 gallons (62.5 ml per 100 liters)
<p>Ensure application is directed to the media surface, with sufficient volume applied to move the propagules into the root zone. It is recommended to follow the MycoApply application with an additional application of clean water to move the active ingredients into the root zone of the growing media.</p> <ul style="list-style-type: none"> The volume of suspension to apply should be approx. 8 - 10% of the soil/media volume of containers. Although this product can be applied via spray, this application should be thought of as a drench, or very heavy spray (sprench), to move the product into root zone of the container or growing media. 		

TARGET	APPLICATIONS	USE RATE
In-Ground Application: Greenhouse, Nursery	Overhead Boom Spray, Sprinklers, Sprayers, or Irrigation	8 fl oz per 100 gallons (62.5 ml per 100 liters)
<p>Ensure application is directed to the soil surface, with sufficient volume applied to move the propagules into the root zone (≈ 25 gallons per acre, or ≈ 233.9 liters per hectare). It is recommended to follow the MycoApply application with an additional application of clean water to move the active ingredients into the root zone.</p> <ul style="list-style-type: none"> The volume of suspension to apply should be ≈ 2 - 2.5 gallons per 10 ft² (or ≈ 10 liters per m².) Drench amount will vary depending on the soil type and amount of vegetation (including thatch) that will obstruct the drench from filtering into the soil profile. Although this product can be applied via spray, this application should be thought of as a drench, or very heavy spray (sprench), to move the product into root zone of the container or growing media. 		

TARGET	APPLICATIONS	USE RATE
Turf, Established	Soil Drench (to aerated or dethatched turf)	0.0676 - 0.095 fl oz per 1,000 ft ² (2.15 - 3 ml per 100m ²)
Turf, New Sod	Soil Drench (to bare soil before sod is installed)	
Turf, Seed	Soil Drench (to bare soil before seeding)	
<ul style="list-style-type: none"> Can be applied via a preblended mix tank or a 1:100 injector using a sprayer or dribbler. Can be tank mixed and applied with fertilizer, if desired. Application rate depends on application equipment, application site (foliar vs. direct to root zone) and turf type (density of turf). 		

TARGET	APPLICATIONS	USE RATE
Greenhouse, Nursery, Landscape, Restoration	Drip Irrigation or Subsurface Drip Tape	8 fl oz per 100 gallons (62.5 ml per 100 liters)
<p>For Drip Irrigation applications, inject MycoApply EndoThrive downstream of sand and/or screen filters finer/smaller than #50 mesh. Apply during the duration of the drip irrigation run.</p> <ul style="list-style-type: none"> The volume of the MycoApply EndoThrive suspension that needs to be applied should be approximately 8-10% of the soil/media volume of containers, or 2 - 2.5 gallons of suspension per 10 square feet (or 10 liters per square meter) for in-ground application. 		