GREENHOUSE

# Mycorrhizal Applications for GREENHOUSES

## Why are Mycorrhizae Important?

Mycorrhizal fungi are essential to living soils, and allowed plants to colonize the non-aquatic surface of our planet around 460 million years ago. Approximately 95% of all plant species form symbiotic relationships with beneficial mycorrhizal fungi, however, most greenhouse plants are started in growing medias which are void of mycorrhizal populations. With the MycoApply® products we offer, greenhouse managers can reintroduce these essential microbes and benefit from this age-old symbiotic relationship to get their plants started right. Mycorrhizal fungi help reduce the need for expensive inputs, increase plant uniformity and vigor, and ultimately result in better sell-through.

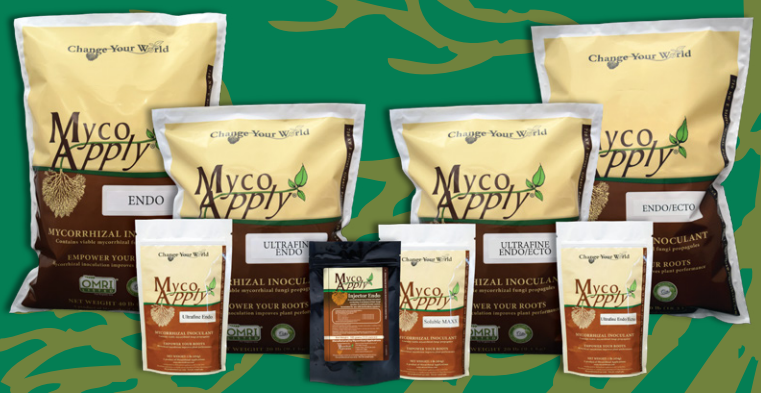
The use of mycorrhizal fungi provides greenhouse managers a new tool to improve plant health and quality, and experience maximum return on investment while reducing the need for expensive and unsustainable chemical inputs.

### MycoApply® Benefits for Greenhouses

- Multiple mycorrhizal species in MycoApply products provide maximum benefits to greenhouse crops of all kinds. MycoApply mycorrhizae are suitable for most annuals, perennials, and potted crops.
- MycoApply inoculation results in a significant increase in a plant's ability to absorb and utilize nutrients and water.
- The MycoApply product line offers multiple application options and formulations to match your production needs and methods.

| Control - Not Treated | Treated with MycoApply® |
|---|---|

These two New Guinea impatiens plants were propagated in identical conditions and greenhouse grown. The plant on the right was inoculated with MycoApply® mycorrhizal fungi at plug stage, and the plant on the left was not. This trial demonstrates the root enhancements, as well as the subsequent benefits to overall plant growth and appearance.



# MycoApply® Benefits:

## Drought Protection
Greater root mass allows for increased water absorption and storage during times of excess for use during times of need

## Reduced Production Costs
Increased water absorption and nutrient utilization reduce the need for fertilizers and irrigation

## Sell-Through Success
Mycorrhizae give your plants better transportation resilience, shelf life, and increase sell-through rates

## Healthy Growing Media
Establish healthy root zone biology and symbiotic relationships critical for sustainable performance

## Better Nutrient Uptake
Mycorrhizae not only increase root mass and absorptive surface area, but also release powerful enzymes into the substrate that dissolve tightly bound nutrients for plant utilization

## MycoApply® Application Options

Drench Application: MycoApply suspendable powders can be added to water or liquid fertilizer and drenched into the plant's root zone or used as a Plug Dip during propagation.

Soil/Media Incorporation: All MycoApply products can be mixed with soil or growing media prior to planting. Granular products are particularly well suited for this application method.

Others: Contact our team to discuss the best application method for your greenhouse. The goal is to create physical contact between the MycoApply active ingredient and the growing or emerging roots.

# Recommended MycoApply® Greenhouse Products:

## MycoApply® Injector Endo

- Concentrated Powder (can pass a #50 screen)
- 4 species Endomycorrhizal fungi
  *Glomus intraradices, G. mosseae, G. aggregatum, & G. etunicatum*
- 17,600 Endomycorrhizal Propagules per gram (7,983,219 per lb.)
- Available in 100 gram Bags (20 gram scoop included)
- Ideal for application through injection systems and/or greenhouse boom sprayers

## MycoApply® Ultrafine Endo

- Suspendable Powder (can pass a #50 screen)
- 4 species Endomycorrhizal fungi
  *Glomus intraradices, G. mosseae, G. aggregatum, & G. etunicatum*
- 130,000 Endomycorrhizal Propagules per lb. (286.8 per gram)
- Available in 1 lb. Bags and 20 lb. Bags

## MycoApply® Soluble MAXX

- Suspendable Powder (can pass a #50 screen)
- 9 species Endomycorrhizal fungi:
  *Glomus intraradices, G. mosseae, G. aggregatum, G. etunicatum, G. deserticola, G. clarum, G. monosporum, Paraglomus brasilianum, & Gigaspora margarita*
- 10 species Ectomycorrhizal fungi:
  *Rhizopogon villosulus, R. luteolus, R. amylopogon, R. fulvigleba, Pisolithus tinctorius, Scleroderma cepa, S. citrinum, Suillus granulatus, Laccaria bicolor, & L. laccata*
- 92,000 Endo Propagules per lb.*
- 1.2 billion Ectomycorrhizal Propagules per lb.
- Kelp, Humic Acid, and specially formulated amendments (1-0.5-5)
- Available in 1 lb. Bags

*California formulation may vary - please contact us for more information.

## MycoApply® Endo

- Granular Formulation
- 4 species Endomycorrhizal fungi
  *Glomus intraradices, G. mosseae, G. aggregatum, & G. etunicatum*
- 60,000 Endo Propagules per lb.
- Available in 40 lb. Bags

Mycorrhizal Applications
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