

PLUG/CUTTING

Mycorrhizal Applications

for PROPAGATION

Why are Mycorrhizae Important?

Mycorrhizal fungi are essential to living soils, and allowed plants to colonize the non-aquatic surface of our planet over 450 million years ago. Approximately 95% of all plant species form symbiotic relationships with beneficial mycorrhizal fungi. Unfortunately, most manufactured growing media have little or no mycorrhizal populations. Professional growers can now re-establish these essential microbes using our MycoApply® products.

Pay it Forward to Maximize Customer Satisfaction!

It is always wise to “Pay it Forward” by providing the best plants for those down-line. Whether your customer is internal or external, using mycorrhizae in the plug and cutting stage will accelerate plant growth and increase plant uniformity. The pro-active use of MycoApply® products during the propagation phase will benefit the final grower, the retailer, and the home gardener or landscaper.

Benefit to Cuttings and Plugs

Mycorrhizal inoculations accelerate the rooting process and ultimately increase plants' effective rooting and surface area by as much as 50x.

Mycorrhizal colonization results in a significant increase in a plant's ability to absorb soil nutrients.

The symbiosis with mycorrhizal fungi can increase water absorption several hundred to several thousand times compared to roots alone.



Control - Not Treated | Treated with MycoApply®

These two trays of Vinca plugs are growing in identical media, with one difference: The tray on the right included MycoApply® mycorrhizal inoculant in the soil mix, and the tray on the left did not include a mycorrhizal inoculant.

FEATURES

Mycorrhizal Applications has the largest diversity of Endo- and Ectomycorrhizal fungi commercially available.

Fertilizer usage can be reduced by one-third by using MycoApply® inoculum.

Watering can be reduced by using MycoApply® mycorrhizal inoculum.

Rooting will accelerate and improve by using MycoApply®'s proven mycorrhizal inoculants.

ADVANTAGES

MycoApply® products are available for almost every plant species and variety you grow.

Fertilizer and application costs will be reduced.

Water and labor costs will be reduced.

Plant quality will increase, adding value throughout the chain.

BENEFITS

Plant quality and health will improve for every variety propagated with the correct MycoApply® product applied appropriately.

Propagation production costs can drop, plant quality will improve, and profits can increase.

Production costs can drop downstream, plant quality will improve, and profits can increase.

Retail sell through can increase due to improved plant quality and will result in an increase in consumer satisfaction with supplier and retailer.



✓ Increase Drought Protection

Greater root mass and vigor = Greater stress tolerance

✓ Reduce Production Costs

Increased water absorption and nutrient utilization reduce the need for fertilizers and irrigation

✓ Quicker Establishment

Mycorrhizae give your plants a head start leading to accelerated rooting and more successful outplanting

✓ Healthy Soil Biology

Re-establish the living soils and symbiotic relationships critical for sustainable performance

✓ Better Nutrient Uptake

Mycorrhizae not only increase root mass and surface area, but also release powerful enzymes into the soil that dissolve tightly bound soil nutrients for plant utilization

Recommended MycoApply® Products for Propagation:

MycoApply® Endo

- Granular - mixable with soil
- 4 species Endomycorrhizal fungi:
Glomus intraradices, *G. mosseae*,
G. aggregatum, & *G. etunicatum*
- 60,000 Endomycorrhizal Propagules per lb.



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.
- Injectable, mixable, or soil drench



Application Recommendations

- Early treatment at propagation reduces costs and allows growers to reap the maximum benefit from their investment in mycorrhizal inoculation.
- Incorporation of MycoApply® Endo granular inoculant into your propagation growing media is the most cost and labor efficient application method.
- Utilization of an Ultrafine Endo drench at propagation is also a versatile and cost-effective early inoculation protocol, however, should be a backup if soil incorporation is not possible.



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