

# Mycorrhizal Applications

## for TURF GRASS

### Why are Mycorrhizae Important?

Mycorrhizal fungi are essential to living soils, and allowed plants to colonize the non-aquatic surface of our planet around 450 million years ago. Approximately 95% of all plant species form symbiotic relationships with beneficial mycorrhizal fungi, however, unfortunately many modern soil and land management practices have depleted these mycorrhizal populations. With the MycoApply® products we provide, turf management professionals can re-establish these essential microbes and benefit from this age-old symbiotic relationship to boost turf with living soils which help reduce the need for expensive inputs, increase grass sustainability and vigor, and ultimately result in healthier turf.

The use of beneficial mycorrhizal fungi provides turf care professionals with a new tool to improve grass health and quality, and experience maximum return on investment while reducing the need for expensive and impactful chemical inputs.

#### Benefit to Turf Grasses

Mycorrhizal inoculations increase grasses' effective rooting and surface area by as much as 50 times, and accelerate the rooting process.

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

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



Treated with MycoApply® | Control, Not Treated

The bermuda grass study above demonstrates the benefit of mycorrhizae for grasses' root systems. The grass on the left was inoculated with MycoApply®, and the grass on the right was not treated with mycorrhizal inoculation.



## FEATURES

Mycorrhizal Applications offers the largest diversity of Endomycorrhizal fungi commercially available.

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

Drought tolerance is greatly increased by using MycoApply® inoculum.

Grass cover and fullness will increase by using MycoApply® mycorrhizal fungi.

## ADVANTAGES

MycoApply® products are available for every grass species involved in turf management.

Fertilizer and labor costs will be reduced.

Water and labor costs will be reduced.

Turf grass survivability and sustainability will increase.

## BENEFITS

Turf grass quality and health will improve for every acre of grass treated with the correct MycoApply® product applied appropriately.

Maintenance costs can drop, turf grass health will improve, and profits can increase.

Input costs can drop, turf grass health will improve, and turf care success can increase.

Turf grasses inoculated with MycoApply® mycorrhizae will require less input and deliver increased customer success and satisfaction.



## Recommended Turf Care Products

### MycoApply® Endo

- Granular - mixable with soil
- 4 species Endomycorrhizal fungi: *Glomus intraradices*, *G. mosseae*, *G. aggregatum*, & *G. etunicatum*
- 60,000 Endomycorrhizal Propagules per lb.
- Can be applied during seeding, installation, or aerification of turf
- Can be broadcast prior to sod installation
- One Pound can treat up to 4,000 sq./ft. at installation



### ☑ Increase Drought Protection

Greater root mass and vigor = Greater stress tolerance

### ☑ Reduce Maintenance Costs

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

### ☑ Quicker Establishment

Mycorrhizae give your grasses 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

### 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.
- Can be watered into porous soils
- Can be applied during seeding, installation, or aerification of turf
- One Pound will treat 8,000 sq./ft.



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