

Mycorrhizal Applications

for LANDSCAPING

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 construction zone soils and landscape media have depleted mycorrhizal populations. With the MycoApply® products we provide, landscape professionals can re-establish essential microbes and benefit from this age-old symbiotic relationship to get their plantings started right, in living soils which help reduce the need for expensive inputs, increase plant resilience and vigor, and ultimately result in healthier, happier, more sustainable landscapes.

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

Benefit to Landscapes

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

Mycorrhizal colonization results in a significant increase in a plant'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.



Recently Planted | Two Months Later

Inoculation with MycoApply® mycorrhizae results in much quicker and more successful establishment than traditional fertilizing and irrigation techniques alone. The above landscape was established and mature within two months of planting.

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.

Overall plant health, appearance, and vitality will improve by utilizing MycoApply® mycorrhizal fungi.

ADVANTAGES

MycoApply® products are available for almost every plant used in landscaping applications.

Fertilizer and labor costs will be reduced.

Water and labor costs will be reduced.

Plant survivability and sustainability will increase.

BENEFITS

Plant quality and health will improve for every variety utilized in your landscapes with the correct MycoApply® product applied appropriately.

Landscape input costs can drop, plant quality can improve, and profits can increase.

Landscape sustainability will increase and plant success is maximized, improving aesthetics.

Landscape plantings inoculated with mycorrhizal fungi can require less input and deliver increased customer success and satisfaction.



✓ Increase Drought Protection

Greater root mass and vigor = Greater stress tolerance

✓ Improve Maintenance Costs

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

✓ Reduce Transplant Shock

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 Landscaping Products

MycoApply® Endo

- Granular - mixable with soil
- 4 species Endomycorrhizal fungi:
Glomus intraradices, *G. mosseae*,
G. aggregatum, & *G. etunicatum*
- 60,000 Endo & 110 million Ecto Propagules per lb.



MycoApply® Endo/Ecto

- Granular - mixable with soil
- 4 species Endomycorrhizal fungi:
Glomus intraradices, *G. mosseae*,
G. aggregatum, & *G. etunicatum*
- 7 species Ectomycorrhizal fungi:
Rhizopogon villosulus, *R. luteolus*, *R. amyloporum*,
R. fulvigleba, *Pisolithus tinctorius*, *Scleroderma cepa*, & *S. citrinum*
- 60,000 Endo & 110 million Ecto 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.



MycoApply® Micronized Endo/Ecto

- Suspendable Powder (can pass a #50 screen)
- 4 species Endomycorrhizal fungi:
Glomus intraradices, *G. mosseae*,
G. aggregatum, & *G. etunicatum*
- 7 species Ectomycorrhizal fungi:
Rhizopogon villosulus, *R. luteolus*, *R. amyloporum*, *R. fulvigleba*,
Pisolithus tinctorius, *Scleroderma cepa*, & *S. citrinum*
- 100,000 Endo & 110 million Ecto Propagules per lb.



A Subsidiary of VALENT BIOSCIENCES.

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