

Mycorrhizal Applications

for ARBOR CARE

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 urban, suburban, and landscape soils have depleted mycorrhizal populations. With the MycoApply® products we provide, arbor professionals can re-establish essential microbes and benefit from this age-old symbiotic relationship to give trees the ideal environment, in living soils which help reduce the need for expensive inputs, increase tree and root sustainability and vigor, and ultimately result in healthier and happier trees.

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

Benefit to Trees and Plants

Mycorrhizal inoculations increase trees' 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 tree'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 trees in the mycorrhizal trial above reside at a Washington State Rest Area. The Maples on the left side of this photo have been treated annually by injecting MycoApply® mycorrhizal inoculum. The Maples on the right have never been treated.

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.

Drought tolerance is greatly increased by using MycoApply® mycorrhizal inoculum.

Transplant success is boosted through the use of mycorrhizal fungi.

ADVANTAGES

MycoApply® products are available for almost every plant and tree cared for by arbor professionals.

Fertilizer and labor costs will be reduced.

More tree health and success with less water input and irrigation.

Plant and tree survivability and sustainability in the field will increase.

BENEFITS

Tree and plant quality and health will improve for every species and variety treated with the correct MycoApply® product applied appropriately.

Maintenance costs can drop, plant and tree health will improve, and profits can increase.

Input costs can drop, plant and tree health will improve, and tree care success can increase.

Plantings and trees inoculated with MycoApply® mycorrhizae 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 plantings 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 Arbor Care Products

MycoApply® Micronized Endo/Ecto

- Suspensible 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. amylopogon*, *R. fulvigleba*, *Pisolithus tinctorius*, *Scleroderma cepa*, & *S. citrinum*
- 100,000 Endo & 110 million Ectomycorrhizal Propagules per lb.
- Can be watered in or injected for established trees and plants
- Can be blended into compost tea for soil drench
- Powder can be used to coat roots and stems for transplantation



MycoApply® Soluble MAXX

- Suspensible 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*
- 30,000 Endo & 1.5 billion Ectomycorrhizal Propagules per lb.
- 12 species Bacteria, 2 species Trichoderma and specially formulated amendments 1-0.5-5
- Can be watered in or injected for established trees and plants
- Can be blended into compost tea for soil drench
- Powder can be used to coat roots and stems for transplantation



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CONTACT US

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