

Professional Plant Care Blends



Mycorrhizae Based Organic Products

Turf-Trees-Shrubs-Plants

Age Old Organics

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Age Old Organics

Improves plant establishment and survival

Make the correct choice. You'll help your budget & the environment.

For more information visit: www.ageoldorganics.com

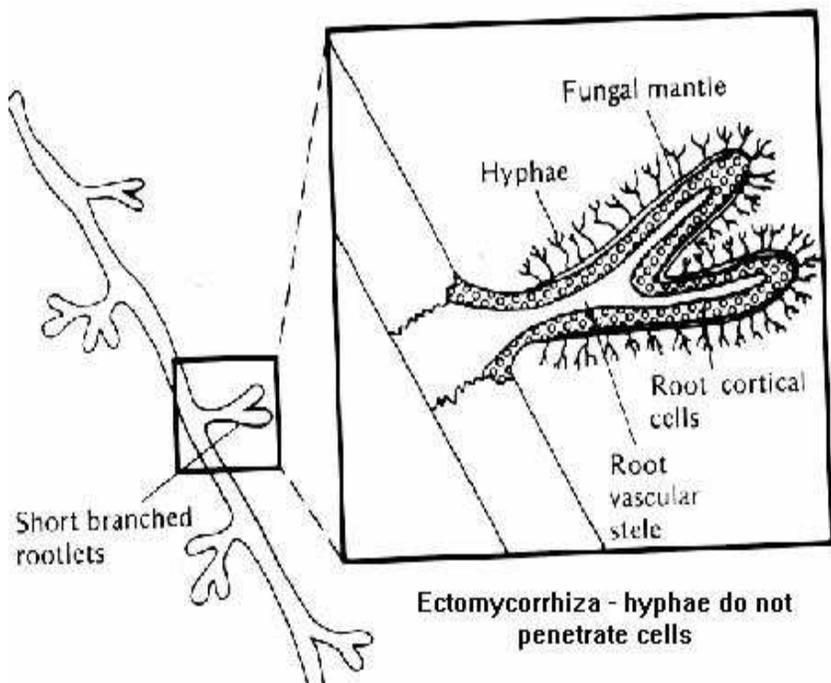
What Are Mycorrhizae?

Mycorrhizae is a Greek Word for “Fungus Root.”

Mycorrhizae are non-woody structures composed of both root and fungus tissue. Native to forest and prairie soils, they are also found in soils that have good biological life that have not been subjected to high salt fertilizers and harsh chemicals. In healthy soils, you can find networks of white hair-like fibers – **these are mycorrhizae**. Soils that have lost their mycorrhizae have lost their ability to support plant life.

Mycorrhizae has become the landscape industry’s greatest asset, because modern soils have become depleted by construction and chemical practices. Today’s technology now makes it possible for us to add additional mycorrhizae into the root zone as the primary step toward rebuilding soils that support our landscapes.

Ecto mycorrhizae



- **PROMOTE™** is a proprietary combination of trace minerals, humic acid, seaweed extract and wetting agents, that works in harmony with other nutrients, to break the chemical bonding of tied-up mineral nutrients in the root zone.
- **PROMOTE™** improves the biological activity of the soil to improve tilth and texture.
- **PROMOTE™** improves soil water movement and holding capabilities reducing problems associated with poor soil conditions.



Stock Number 2PRO
 1 Gal ea Shipping Wt. 11#
 2 1/2 Gal ea Shipping Wt. 28#
 RTU 64 oz. ea Shipping 7#

Reduces transplant lost, increases water penetration while promoting total overall plant health. Extends periods between watering

Apply at a rate of 4 to 6 oz. per 1,000 sq. ft. For established gardens turf and flower beds, apply at 1 to 2 tsp for each gallon of water. For transplants, make a stock solution containing 6 to 8 ounces of **PROMOTE** to 5 gallons of water and drench soil after planting.

AGE OLD BLOOM (5-10-5)

An odorless, natural, fast-acting phosphorus combination that encourages early growth, greater flowering and better fruit set. Soak seeds for higher germination rates. Soak roots for greater root mass and less transplant shock. Contains fish solubles, feather meal & colloidal phosphates. Micronutrients are derived from seaweed extracts, borax and complex sugars.

AGE OLD GROW (12-6-6)

An odorless natural fertilizer with a 2-1 nitrogen ratio to enhance plant growth and vigor. It contains fish solubles, feather meal & colloidal phosphates. Micronutrients are derived from seaweed extract, borax and complex sugars.



Stock Number 1BL-16EA or 1GR-16EA
 16OZ ea Shipping Weight 2#
 Stock Number 1BL-32EA or 1GR-32EA
 32OZ ea Shipping Weight 4#
 Stock Number 1BL-1GE or 1GR-1GE
 1 GAL ea Shipping Weight 12#
 Stock Number 1BL-2½ EA or 1GR-1 GE
 2½ Gal ea Shipping Weight 29#

ORNAMENTAL TRANSPLANT SOIL & ROOT INOCULANT WITH MYCORRHIZAE (OTSR) 😊

A complete blend of Endo-and Ecto-mycorrhizae spores with vitamins, minerals and nutrients. The inoculants provides mycorrhizae life support for trees, shrubs, flowers, fruits and vegetables. Applied to the plant's root system this 100% premium organic blend will reduce transplant shock, encourage root growth, and increase water and nutrient uptake.

Stock Number 10TR1#
Shipping Wt 2#
Stock Number 10TR5#
Shipping Wt 6#
Stock Number 10TR25#
Shipping Wt. 27#



Trees & Shrubs: At planting use 1/4 to 1/2 pound per caliper inch of trunk diameter. Mix 1 to 2 ounces into soil for each gallon sized container.

Ornamental Transplants: Apply one tablespoon in bottom of hole prior to plant placement.

Greenhouse & Soil Mixtures: Mix 4 pounds into each cubic yard of soil. Blend well before using.

Flower Beds and Gardens: Evenly distribute 8 pounds over 1,000 square feet, and work into top 3 to 4 inches of soil.

Water Soluble Mycorrhizae (WSM) 😊

A water-soluble mycorrhizae bio-treatment for new and existing landscapes. One pound of **WSM** will treat 50 to 100 gallons of water or 1 to 2 teaspoons per gallon of water, **WSM** can be included in tank mix combinations of **Age Old Liquid Organic Fertilizers** and/or **Promote**. **WSM** contains a blend of Endo & Ecto Mycorrhizae fungal spores, sea plant extract, Humic acid, amino acids, and a proprietary blend of microbial metabolites that increases the beneficial bacteria and fungi in the soils. Soak seeds in a **WSM** solution to enhance rapid germination and root growth.

Stock Number 2WSM
1# ea Shipping Wt. 3#



The products identified by the happy face meet government standards set forth by the National Organic Program (NOP).



Mycorrhizae are scientifically harvested and added to products such as **Age Old Organics Ornamental Transplant Soil and Root Inoculant (OTSR)** and **Age Old Organics Water Soluble Mycorrhizae (WSM)**. Once associated with plant roots, mycorrhizae perform the following essential functions.

- **Release of Minerals & Nutrients from Soil Particles**

When mycorrhizae become established with non-woody roots, they send out web-like strands into the soil that dissolve minerals and organic matter into humus. Humus consists of readily available nutrients for absorption by the plant's root system.

- **Development of an Extensive Root Mass**

Mycorrhizae strands penetrate soil at a rate thousands of times greater than feeder roots alone – tapping into a huge reservoir of minerals and water for plant uptake. The access to subsoil water increases survival rates during drought and heat.

- **Production of Plant Growth Hormones & Antibodies**

Through the production of growth hormones, mycorrhizae trigger an extensive branching of the root system. A strong root system has a greater capacity to both feed and anchor a plant. Also, mycorrhizae grow as protective sheathing on non-woody roots to secrete antibodies for added plant protection.

Your Natural Selection for Transplant Survival

A Complete Blend of Endo and Ecto Mycorrhizae Spores with Vitamins, Minerals & Nutrients for Synergy with Plant Roots

- ✓ **Economical, Safe & Easy To Use**
- ✓ **Increases Root Mass & Survival Rates**
- ✓ **Improves Biological Fertility in All Soils**
- ✓ **Increases Plant Uptake of Minerals & Water**
- ✓ **Increases Resistance to Disease and**

Use Age Old OTSR and Age Old Water Soluble Mycorrhizae for the creation of the correct environment for Mycorrhizae establishment

The Germination of Mycorrhizae

Mycorrhizae are spores. As opposed to seeds, a mycorrhizae spores do not contain a germ plasma that naturally activates germination. What they need is a friendly atmosphere to remain viable. **Age Old Organics OTSR** is blended with aerobically-digested microbial extracts, micro-flora and herbs to simulate the biological activity of fertile soil that triggers the activation of mycorrhizae.

A Food Source for Mycorrhizae Establishment

At time of application, the mycorrhizae spores seek out their synergetic partners (non-woody roots). In order to do so, they need a food source to carry them through an eight-to-twelve week establishment period. If a complete food source is not provided, the mycorrhizae will not survive. **Age Old Organics OTSR** provides whole food ingredients, natural organic materials, geologically concentrated humic substances and ground rock minerals as an energy source for mycorrhizae to become established with non-woody roots.

An Oxygen Source for Mycorrhizae Colonization

In addition to a food source, mycorrhizae need an oxygen supply. Most landscape sites suffer from compaction due to mineral imbalance. This compaction shuts off oxygen circulation which leads to a collapse of the soil profile.

Age Old Organics OTSR provides a balanced combination of paramagnetic and diamagnetic minerals to create spaces between soil particles for oxygen circulation around the root zone. With an oxygen supply and a complete food source, mycorrhizae become fully established and multiply exponentially based upon the amount of plant sugars deposited in the roots from photosynthesis. This process once started, will continue to generate mycorrhizae in an ongoing manner providing the plant with both moisture and food. (twenty-four hours a day, seven days a week)

An organic recipe for the revitalization of plants and soils!

Age Old Organics Ornamental Transplant Soil and Root Inoculant (OTSR) and Age Old Water Soluble Mycorrhizae (WSM) contains complete food sources for mycorrhizae establishment and growth.

Guaranteed 11,200,000 Mycorrhizae Spores per Lb. – A combination of Vesicular Arbuscular Endo mycorrhizae (VAM), Pisolithus Tinctoris & Rhizopogen Ecto mycorrhizae.

Vitamins – A, B-Complex, B-6, B-12, C, D, E, Biotin, Folic Acid, Niacin, Pantothenic Acid, Riboflavin and Thiamin.

Aerobic Bacteria – Yeast Extracts, Acinetobacter, Asacillus Subtillus, Bacillus Thuringensis, Bacillus Cereus, Bacillus Megaterium, Lactobacillus, Azotobacter, Rhizobium Maillot, Rhizobium Phaseoli, Rhizobium Legumonoserum and Rhizobium Japonicum.

In addition dry soil applied, Age Old Organics OTSR contains :

Basic Elements - Calcium, Nitrogen, Phosphorus, Potassium, Iron, Magnesium, Manganese, Carbon, Copper, Cobalt, Sulfur, Zinc, Germanium, Boron, Selenium, Vanadium and Molybdenum.

Herbs – Chamomile, Equisetum Averse, Fenugreek, Goldenseal, Irish Moss, Kelp, Slippery Elm, Stinging Nettle, Valerian and Yarrow.

Minerals – Paramagnetic & Diamagnetic rock minerals.

Proteins – Seven high protein grains for the supply of all twenty amino acids.