

# SOIL MOIST INJECTABLE

Soil Moist Injectable is formulated to inoculate existing trees and shrubs with injection equipment. Inoculation will promote new root development on mature and newly planted trees and shrubs. Soil Moist Injectable contains a diverse blend of seven species of healthy viable ectomycorrhizal propagules and seven species of healthy viable endomycorrhizal propagules that are adapted to a wide range of plants and habitat conditions. The propagules of the endomycorrhizal fungi are micronized to insure they do not clog or impede the injection probe. When used as a drench, the micronized spores will migrate into the soil better. The formulation will provide the inoculated area to colonize on the newly planted or existing stock in a wide variety of growing conditions.

The mycorrhizal fungi colonize plant roots and extend far into the soil resource. The fungi improves the ability of the plants to utilize the soil resources. The fungi increases water and nutrient uptake by providing a larger root mass. The improvement in the plant / soil ecosystem increases plant establishment.

Each pound of Injectable contains over 9 billion colony forming units (CFU) of bacteria in the biostimulant formulation. There are over fifty (50) strains of beneficial bacteria and soil microbes as well as natural plant extracts that promote root growth and formulation. Five strains of Trichoderma are included in the formulation to produce natural growth hormones and enhance disease suppression.

## PRODUCT BENEFITS

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- Improves soil and plant ecosystem
- Increases plant establishment and growth
- Reduces transplanting stress and plant loss
- Increases nutrient and water uptake
- Improves soil structure and porosity
- Reduces fertilizer use

## COMPATIBILITY

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Soil Moist Injectable is effective on all types of plants and trees with the exception of Laurels, Rhododendrons and Azaleas.

Fungicides: Do not use fungicides for three weeks before and after applying Soil Moist Injectable. The following fungicides should not be used: Ridomil, Benlate, Bravo, Daconil, PCNB, Bayleton, Dithane, Zineb and Ziram.

## STORAGE

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Store in a cool, dry location. Avoid direct sunlight and high temperatures. Reseal any remaining materials in their original container. Product shelf life is up to twenty-four months.

## NON PLANT FOOD INGREDIENTS

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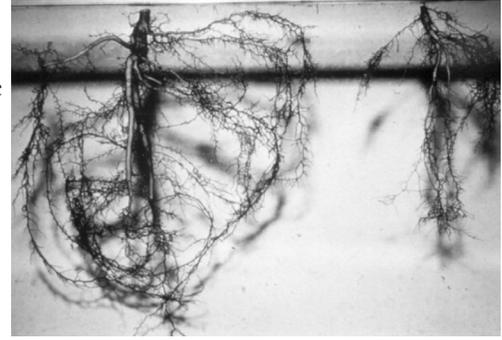
Endomycorrhizal Fungi  
(*Micronized*)

Minimum of 97,000 viable propagules per pound of material derived from seven species: *Glomus intraradices*, *Glomus aggregatum*, *Glomus mosseae*, *Glomus clarum*, *Glomus deserticola*, *Glomus monosporum* and *Gigaspora margarita*.

Ectomycorrhizal Fungi

Minimum of 2.9 billion viable propagules per pound of material derived from seven species: *Pisolithus tinctorius*, *Rhizopogon rubescens*, *Rhizopogon fulvigleba*, *Rhizopogon villosuli* and *Rhizopogon amylopogon*, two species of scleroderma.

Sea Kelp extract	Ecklonia maxima
Humic acid	Leonardite humates
Fungi	Five strains of Trichoderma to produce natural growth hormones and enhance disease suppression.
Beneficial bacteria	Over fifty (50) strains of bacteria which include fifteen strains of Bacillus, five strains of Psuedomonas and ten strains of Streptomycetes. Minimum of 9 billion colony forming units (CFU) per pound
Vitamins and other ingredients:	Folic and fulvic acid, biotin, natural sugars and vitamins (B, B1, B2, B3, B12, C & K)



Root mass growth difference with (left) and without (right) Soil Moist mycorrhizal.

## APPLICATION RATES

**Trees**  
 Mix container (9 oz.) of Soil Moist Injectable in 150 gallons of water. Agitate mixture for three to five minutes to insure product is thoroughly mixed. Since the micronized spores do not dissolve, product should be occasionally agitated. Product should be applied with professional injection equipment.

Under pressure inject 1/2 gallon (around 2-3 seconds) of the mixture at a depth of 6-10 inches in the soil.

For trees under 3" caliper, inject at 2.5 foot intervals in a grid pattern. To determine the treatment area:

1. Measure the distance from the tree trunk to the dripline (D).
2. Take half of this distance (divide by 2).
3. Measure from the dripline this figure (from step #2) towards the tree trunk and away from the tree trunk. Treat this area (T) using a grid pattern.

See Figure 1.

For trees 3" in caliper or larger, use a 3 foot grid pattern.

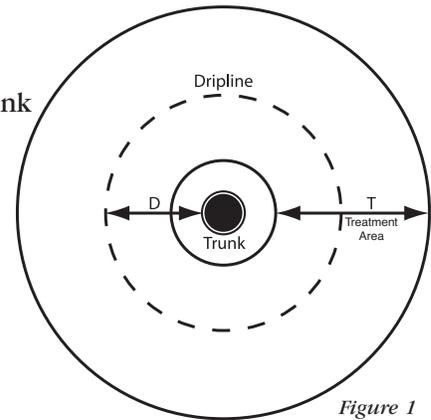


Figure 1

## Shrubs

<u>Diameter Size</u>	<u>Amount of Injections</u>
12" - 20"	2
24" - 30"	3
36" - 42"	4
48"	6

Using the same application rate for trees, make holes half of the height of the shrub away from the base.

## Container Stock

Mix contents (9 oz.) of Soil Moist Injectable in 150 gallons of water. Agitate thoroughly to insure product is mixed. Water containers until mixture begins to drain out. Product can be used on B & B stock. Soak rootball thoroughly while material is in the plant hole prior to backfilling. As an alternative, we suggest using Soil Moist Transplant or Soil Moist Transplant Paks. Refer to form 782 and 781.

Soil Moist Injectable is packaged in nine ounce resealable jars. Custom blends of Soil Moist Injectable are available to meet any specific requirements. Special bulk package sizes are available, minimum quantities apply.

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