

# SOIL MOIST TRANSPLANT PLUS 3-3-3

Soil Moist Transplant Plus is formulated to inoculate transplant shrubs and trees during planting time. Soil Moist Transplant Plus contains a diverse blend of five 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. This formulation will provide the inoculated area to colonize on the newly planted 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 Transplant Plus contains over five 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. Three strains of *Trichoderma* and two strains of *Gliocladium* fungi are included in the formulation to produce natural growth hormones and enhance disease suppression.

Transplant Plus contains a 8-9 month timed release 3-3-3 fertilizer.

Soil Moist™ water storing polymers are included in the formulation to reduce transplant stress and water maintenance while increasing the establishment of newly planted stock.

## 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 Transplant Plus is effective on all types of trees, shrubs and plants with the exception of Laurels, Rhododendrons and Azaleas.

Fungicides: Do not use fungicides for three weeks before and after applying Soil Moist Transplant Plus. 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.

## PLANT FOOD INGREDIENTS

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Fertilizer                      Guaranteed analysis of 3.0% Total Nitrogen (1.8% Ammoniacal Nitrogen, 1.2% Nitrate Nitrogen), 3.0% Available Phosphate (P<sub>2</sub>O<sub>5</sub>), 3.0% Soluble Potash (K<sub>2</sub>O).

## NON PLANT FOOD INGREDIENTS

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Endomycorrhizal Fungi      Minimum of 5760 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 586 million viable propagules per pound of material derived from seven species: *Pisolithus tinctorius*, *Rhizopogon rubescens*, *Rhizopogon fulvigleba*, *Rhizopogon villosuli* and *Rhizopogon amylopogon*.

Soil Moist™	Crosslinked polyacrylamide, 1000-2000 micron size. Minimum of 5.4 ounces per pound.
Sea Kelp extract	Ecklonia maxima
Humic acid	Leonardite humates
Fungi	Three strains of Trichoderma and two strains of Gliocladium 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 Streptomyces. Minimum of five 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

Mix Soil Moist Transplant Plus with backfill in the top ten inches of the planting hole around the root ball. Water after applying. Soil Moist Transplant Plus must be placed in contact with the root ball when applying. Each six ounce package will treat two one inch caliper trees.

<u>Container Size</u>	<u>Amount</u>	<u>Caliper Size</u>	<u>Amount</u>
1 Gallon	.75 oz.	1"	3.0 oz.
2 Gallon	1.5 oz.	2"	6.0 oz.
3 Gallon	1.5 oz.	3"	9.0 oz.
5 Gallon	2.0 oz.	4"	12.0 oz.
7 Gallon	3.0 oz.	5"	15.0 oz.
10 Gallon	3.0 oz.	6"	18.0 oz.
15 Gallon	4.0 oz.	7"	21.0 oz.
20 Gallon	5.0 oz.	8"	24.0 oz.
<u>Plant Height</u>	<u>Amount</u>	<u>Box Size</u>	<u>Amount</u>
2'	1.5 oz.	16"	4.0 oz.
3'	2.0 oz.	20"	5.0 oz.
4'	3.0 oz.	24"	7.0 oz.
5'	4.0 oz.	30"	10.0 oz.
6'	5.0 oz.	36"	14.0 oz.
7'	6.0 oz.	42"	19.0 oz.
		60"	24.0 oz.

Soil Moist Transplant Plus is packaged in premeasured six ounce packages and in five and thirty pound resealable plastic pails. Custom blends on Soil Moist Transplant Plus are available to meet any specific requirements. Special bulk package sizes are available, minimum quantities apply.

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