

SOIL MOIST TRANSPLANT PAKS

Soil Moist Transplant Paks are formulated to inoculate transplant shrubs and trees during planting time. Soil Moist Transplant Paks contain 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. 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 Soil Moist Transplant Pak contains over one 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

- 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

Soil Moist Transplant Paks are 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 Paks. The following fungicides should not be used: Ridomil, Benlate, Bravo, Daconil, PCNB, Bayleton, Dithane, Zineb and Ziram.

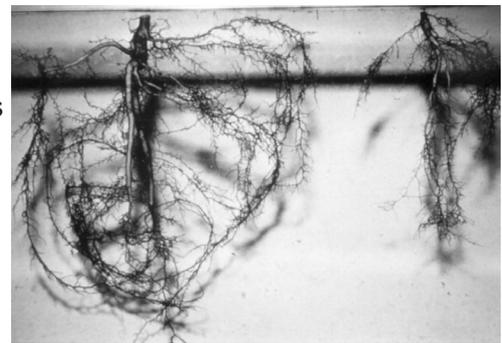
STORAGE

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

Endomycorrhizal Fungi	Minimum of 540 viable propagules per pak derived from seven species: Glomus intraradices, Glomus aggregatum, Glomus mosseae, Glomus clarum, Glomus deserticola, Glomus monosporum and Gigaspora margarita.
Ectomycorrhizal Fungi	Minimum of 110 million viable propagules per pak 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 Streptomyces. Minimum of one billion colony forming units (CFU) per Pak.
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

Transplant Paks must be placed in the soil 1/3 to 1/2 at the depth of the root system. The Paks **must** be in direct contact with the roots or root ball to colonize.

<u>Container Size</u>	<u>Number of Paks</u>	<u>Caliper Size</u>	<u>Number of Paks</u>
1 Gallon	1	1"	2
2 Gallon	1	2"	4
3 Gallon	1	3"	6
5 Gallon	2	4"	8
7 Gallon	2	5"	10
10 Gallon	3	6"	12
15 Gallon	3		12
20 Gallon	4		

<u>Height of Plant</u>	<u>Number of Paks</u>	<u>Box Size</u>	<u>Number of Paks</u>
2'	1	16"	3
3'	1	20"	4
4'	2	24"	4
5'	2	30"	8
6'	3	36"	12
7'	3	42"	13
		60"	20

Soil Moist Transplant Paks are packaged ten per package, twenty packages per case and in bulk bags of 100 Paks per bag, five bags per case. Custom blends of Soil Moist Transplant Paks are available to meet any specific requirements, minimum quantities apply.

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