JRM Chemical, Inc.

SOIL MOIST VERTIMULCH

Soil Moist Vertimulch is formulated to inoculate existing trees and shrubs if injection equipment is not used. Inoculation will promote new root development on mature and newly planted trees and shrubs. Soil Moist Vertimulch 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.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 Vertimulch contains over 220 million 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.

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

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 Vertimulch 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 Vertimulch.The following fungicides should not be used: Ridomil, Benlate, Bravo, Daconil, PCNB, Bayleton, Dithane, Zineb and Ziram.

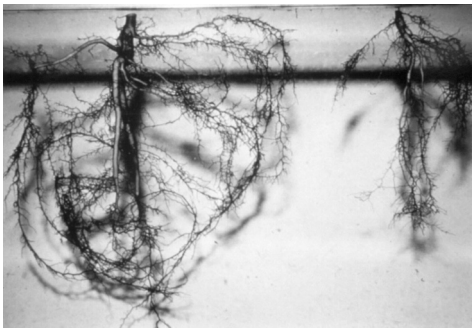
STORAGE

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 720 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 74 million viable propagules per pound of material derived from five species: Pisolithus tinctorius, Rhizopogon rubescens, Rhizopogon fulvigleba, Rhizopogon villosuli and Rhizopogon amylopogon.

Soil Moist™	Crosslinked polyacrylamide, 1000-2000 micron size. Minimum of 19 grams per pound.
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 220 million colony forming units (CFU) per pound.
Vitamins and	Folic and fulvic acid, biotin, natural sugars and vitamins (B, B1, B2, B3, B12, other ingredients C & K)



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

APPLICATION RATES

The enclosed measuring scoop is equivilant to six ounces.

Established Trees

Use a 3 foot grid pattern and apply one scoop (6 oz.) per core hole. Core should be 2 inches wide by up to 12 inches deep. Mix product with backfill in the top 6 to 10 inches of the core. Make core holes 3 feet outside of the drip line and go 3-4 feet from the trunk. Space holes 3 feet apart. Water after applying.

Transplants

Apply four scoops (6 oz. each) per caliper inch (or per one foot diameter of rootball). Mix product with backfill and distribute around the rootball, water after applying. As an alternative, we recommend Soil Moist Transplant or Soil Moist Transplant Paks for large scale transplanting projects. Refer to form 781 and 782.

Small Trees and Shrubs

Make four (4) holes per caliper inch around the rootball. Apply one scoop (6 oz.) per hole. Place product with backfill in the top 6 to 10 inches of the hole and water after applying.

Soil Moist Vertimulch is packaged in thirty pound resealable plastic pails. Custom blends of Soil Moist Vertimulch are available to meet any specific requirements. Special bulk package sizes are available, minimum quantities apply.

JRM Chemical, Inc.
4881 NEO Parkway
Cleveland, OH 44128
800-962-4010
(216) 475-8488
Fax: (216) 475-6517
email: jrm@en.com
www.soilmoist.com

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