DESCRIPTION ENDOPLANT

ENDOPLANT is a natural biological product consisting of spores and propagules of endomycorrhizal fungi. Mixed with organo-mineral substrates. It also contains natural plant compounds and water superabsorvent agents

ENDOPLANT is a formulation specifically studied for a quick and practical plant mycorrhization in nursery or field (established plants or during the transplant). The main benefits are: better water and soil minerals absorption, increased survival, increased resistance and/or tolerance to certain soil pathogens as well as water and saline stress. Other benefits include increased plant root system and reduced fertilizer and water application.

The application of soil disinfectant, fungicide treatments and fertilizers high in phosphorus, can affect or inhibit the development of mycorrhizal fungi.

Formats

- ENDOPLANT tablet: it can be supplied in bags of 500 units.
- ENDOPLANT Liquid: bags can be supplied in packs of 500 g or 1 Kg

FORESTAL MICOLOGIA & APLICADA

ENDOPLANT DATASHEET
Tablets

Genera and species of fungi: *Glomus intraradices, Glomus mosseae*

Number of viable microorganisms: > 1000 propagules

Composition: the product is composed of spores, vesicles and fragments of mycelium, supported by inert, inorganic clays and agents for pelleting

Physical-chemical analysis of the product:

Volume of product per unit: 7cc
Weight unit: 5g
Smell: soil
Dry matter: 96%
pH in water (1:5): 6.5-7
N(total): 0.4 %MS (Materia Seca)
P_2O_5: 0.5 % MS
K_2O interchangeable: 0.5 % MS
Organic matter: 12 % MS

Expiration of the product

18 months if you follow the following safety measures: Do not expose to direct sunlight, keep in a cool and dry place

Instructions for use

For reforestation or transplant
Place ENDOPLANT under the plant in direct contact with the roots.

Dosage

One tablet for plant

FORESTAL MICOLOGIA & APLICADA

ENDOPLANT DATASHEET
Líquid

Genera and species of fungi *Glomus intraradices, Glomus mosseae*

Number of viable microorganisms: > 1000 propagules/cc

Composition: the product is composed of spores, vesicles and fragments of mycelium, supported by inert, inorganic clays

Physical-chemical analysis of the product

Wettable powder (particle size 0-150 ĩm)

Dry matter: 90 %
pH in water (1:5): 6.5-7
N(total): 2 %
P_2O_5: 0.5 %
K_2O total: 2.7 %
Fe_2O_3 1.1 %
SiO_2: 61 %
CaO: 2.3 %
Al_2O_3: 10.1 %
Solubility: 14 % of the product

Expiration of the product

18 months if you follow the following safety measures: Do not expose to direct sunlight, keep in a cool and dry place

Instructions for use

Formulated for all types of field crops or nursery. Mix the product with water that normally would use to water the plant and apply. Once applied to soft watering the end to penetrate the product. A percentage of the product is insoluble in water, so you must remove the irrigation system filters below 150 microns for avoiding fillings

Dosage

SPRINKLER IRRIGATION	4 Kg/Ha
DRIP IRRIGATION	2 Kg/Ha
ORCHARDS & VINEYARDS	1-2 g/plant

SAFETY DATA ENDOPLANT

Product and manufacturer

Trade name: Endoplant
Product Category: concentrate of beneficial microorganisms for forest plants (fungi forming ectomycorrhiza)

Identification of potential hazards: no

First Aid Measures: In case of entry into the eyes, rinse with water if necessary

Fire-fighting measures: non-relevant (non-flammable product)

Measures in case of accidental spillage: retrieve the product and use it if it has not been in contact with other inert substrates

Precautions for handling and storage: Normal handling.
Store in cool, dry place

Personal Protection: no

Stability and Reactivity: Stable product with no hazardous reactions

Toxicological information: Inhalation of copious quantities of dust due to handling the product may cause temporary respiratory distress.

FORESTAL MICOLOGIA & APLICADA

APPENDIX: Endomycorrhizal Plants: 90% of Plants—Mostly Green, Leafy Plants and most Commercially Produced Plants. Shrubs and foliage plants except for Rhododendron, Azalea, and Heath; Berries except for blue-berries, cranberries and lingonberries; Nut trees except pecan, hazelnuts and filberts. Flowers, Vegetables except Brassica and beets, cultivated grasses except weedy grasses; Fruit trees including tropical fruits; many wetland/aquatic species except rushes and horsetails.

Some of the commercially important plant groups that benefit from ENDO-mycorrhizal fungi:

- Acacia
- Agapanthus
- Alder (Endo/Ecto)
- Alfalfa
- Almond
- Apple
- Apricot
- Artichoke
- Ash
- Asparagus
- Aspen(Endo/Ecto)
- Avocado
- Bamboo
- Banana
- Barley
- Basil
- Bayberry
- Beans, all
- Beech
- Begonia
- Black Cherry
- Blackberry
- Black Locust
- Blue Gramma
- Box Elder
- Boxwood
- Buckeye
- Bulbs, all
- Cacao
- Cactus
- Camellia
- Carrisa
- Carrot
- Cassava
- Ceanothus
- Cedar
- Celery
- Cherry
- Chrysanthemum
- Citrus, all
- Clover
- Coconut
- Coffee
- Coral Tree
- Corn
- Cotton
- Cottonwood (Endo/Ecto)
- Cowpea
- Crab Tree
- Creosote
- Cryptomeria
- Cucumber
- Currant
- Cypress
- Dogwood
- Eggplant
- Elm
- Eucalyptus
- Euonymus
- Fern
- Fescue
- Fig
- Flax
- Flowers, most all
- Forsythia
- Fuchsia
- Gardenia
- Garlic
- Geranium
- Grapes, all
- Grasses, perennials
- Green Ash
- Guayule
- Gum
- Hackberry
- Hawthorn
- Hemp
- Herbs, all
- Hibiscus
- Holly
- Hostas
- Impatiens
- Jatropha
- Jojoba
- Juniper
- Kiwi
- Leek
- Lettuce
- Ligustrum
- Lily
- Locust
- Lychee
- Mahogany
- Magnolia
- Mahonia
- Mango
- Maples, all
- Marigolds

- Mesquite
- Millet
- Mimosa
- Morning Glory
- Mulberry
- Myrtle
- Nasturtium
- Okra
- Olive
- Onion
- Pacific Yew
- Palms, all
- Pampas Grass
- Passion Fruit
- Papaya
- Paw Paw
- Peas
- Peach
- Peanut
- Pear
- Peppers, all
- Pistachio
- Persimmon
- Pittosporum
- Plum
- Podocarpus
- Poinsettia
- Poplar
- Potato
- Pumpkin
- Raspberry
- Redwood
- Rice
- Rose
- Rubber
- Ryegrass
- Sagebrush
- Saltbrush
- Serviceberry
- Sequoia
- Shallot
- Snapdragon
- Sorghum
- Sourwood
- Soybean
- Squash
- Star Fruit
- Strawberry
- Succulents
- Sudan Grass
- Sugar Cane
- Sumac
- Sunflower
- Sweet Gum
- Sweet Potato
- Sycamore
- Taxus
- Tea
- Tobacco
- Tomato
- Violets
- Walnut
- Wheat
- Yam
- Yucca
- Willow (Endo/Ecto)