MYCORENDO

Endomycorrhizal powder

BASIC HISTORY:

The mycorrhizal relationship with plants is over 400 million year old and is one of the longest and most successful relationships in nature there are over 50,000 research studies on the mycorrhizal relationship. The mycorrhizal fungi excrete powerful chemicals that dissolve mineral nutrients, absorb water, retard soil pathogens and glue soil particles together into a porous structure. In return the mycorrhizal fungi receive sugars and other compounds from plants to fuel mycorrhizal activities. Both plant and fungus benefit from the "symbiotic relationship". Research has documented improved plant nutrient and water uptake and resistance to a wide range of soil diseases and environmental extremes. Plants establish, fruit and flower more abundantly and require less intensive care. This is a major reason whey plants from natural undisturbed areas can thrive for decades and centuries without irrigation, fertilizer and pesticides. The mycorrhizal network is the original world wide web.

The **MYCORENDO** inoculum consists of a 3 species blend of propagules of arbuscular mycorrhizal fungi. The powder comes in a particle size less than 300 microns (#50 screen). Mycorrhizal fungi grow in a mutually beneficial association with plant roots. The mycorrhizal association occurs with nearly all crop plants, ornamentals, wild herbaceous plants, shrubs and trees.

MYCORENDO contains mycorrhizal fungi that colonize plant roots and extend the root system into the surrounding soil greatly enhancing the absorptive surface area of root systems, forming an essential link between plant and soil and producing seedlings of the highest quality. The plant enjoys improved nutrient and water uptake, enhanced disease resistance and superior field performance..

APPLICATION RATES METHODS:

(1) Watering in. Mix into water at minimum rate of 2 tablespoons per gallon (No harm in using stronger ratios if desired-- especially for higher-value or problem plants): Mix well and keep agitated. Mist or dip plant root systems during transplanting or water in as a soil drench. The objective is to get spores in close contact to roots. Will treat 50 1-gallon plants.

(2) Inoculum can be hydromulched banded in rows or side dressed before or during planting. Use 10 pounds per acre.

(3) Inoculum can be mixed in planting soil before/during filling cavities, pots, and trays. Use .25 to .75 pounds per yard. Use higher rate if filling small individual cavities.

(4) Inoculum can be mixed in compost tea at a rate of one pound per 50 gallons.

(5) For transplants- touch damp roots to the inoculum so a small amount sticks to the roots or sprinkle into planting holes. Use 1/4 teaspoon under each cutting: 1-2 teaspoons for potted transplants depending on size; and .75 ounce per inch of stem caliper for larger plantings.

(6) For greens or lawns- .5 pound will treat 1000 square ft during construction or aerification

(7) For seed coat- use 100 grams to coat 5 pounds of seed or two pounds per acre.

MYCORENDO can be stored in a cool dry area for 24 months without loss of viability

Target species: About 85% of the worlds plant species form mycorrhiza with these beneficial endomycorrhizal fungi.

The following species form ectomycorrhiza and will not respond to **MYCORENDO** ***

Pine,*Spruce,*Hemlock,* Fir, Larch, *Oak,* Beech, *Birch, *Basswood,* Chestnut,* Hickory, *Pecan, *Eucalyptus, *Willow.

Active ingredients

[1]Glomus intraradices, [2]Glomus mosseae, [3]Glomus aggregatum. Minimum 100,000 spores/propagules per pound

[1]Glomus intraradices: Important for phosphorous uptake*nematode control* can access organic forms of nitrogen / phosphorous* improves growth and performance of turf grass, and agricultural Crops* Control of Fusarium*

[2]G. Mosseae: Important for *Nitrogen and phosphorus uptake*. Enzyme activity to access micronutrients* Nematode control*Root Stimulation*Improved performance of woody perennials*control of pathogenic fungi*

[3]G aggregatum: Improves plant performance in sandy soils*Control of root rots*Effective colonization with time release fertilizers*Tolerance of high fertility levels*

DISCLAIMER:

This product is certified to contain the indicated mycorrhizal fungi and propagule rates stated on the label. The mycorrhizal symbiosis is sensitive to environmental conditions, therefore no other guarantees can be made beyond the above statements.