

Soil Amendment /Bio-fertilizer



Rhizogen ENDOTM DE

high concentration mycorrhizae

Rhizogen ENDOTM DE powdered product contains four highly concentrated arbuscular mycorrhizal fungi species that promote better phosphorus and potassium absorption, increased root growth, healthier soils, and greater yield.



PERFECT SYNERGY BETWEEN FUNGI AND PLANT

Mycorrhizae make beneficial associations between the fungus and roots. The mycorrhizal spores germinate in the soil and produce filaments (hyphae) which enter into root cells. This association allows the formation of an intra and extra- radical network of filaments that explores the soil and accesses more nutrients and water, withing and beyond the root zone and transfer them to the plant.



BENEFITS OF USING **Rhizogen ENDOTM DE**

- **Improves nutrient uptake** - **Rhizogen ENDOTM DE** establishes a symbiotic relationship with plant roots, helping plants take up more water and nutrients, phosphorus and potassium. (P and K)
- **Increases drought tolerance**- The improved nutrient absorption also improves drought tolerance in plants.
- **Better growth and yields** - With improved nutrient uptake, plants typically show better growth rates and higher yields.
- **Healthier plants** -**Rhizogen ENDOTM DE** supports overall plant health through improved nutrient absorption.
- **Improves soil structure** - **Rhizogen ENDOTM DE** filaments help bind soil particles together and improve soil aggregation.
- **Environmentally friendly** -**Rhizogen ENDOTM DE** inoculant provides benefits without chemical fertilizers or pesticides.
- **Works on many plant species** - **Rhizogen ENDOTM DE** associations are formed with over 80% of plant families, so the benefits work for a wide range of plants.

Rhizogen ENDO DE™ Key Formulation Advantages:

- **Increased shelf life** - Diatomaceous earth can help keep mycorrhizal spores and propagules dry, preserving viability for longer shelf life of products.
- **Facilitates storage and handling** - Mixing mycorrhizal inoculants with diatomaceous earth carrier improves flowability, reducing caking and clumping during storage, handling and application.
- **Enhanced root colonization** - Some evidence shows diatomaceous earth enhances adhesion and colonization of mycorrhizal propagules on plant roots.

ACTIVE INGREDIENTS

Concentration: 5,000 viable spores/g (5M spores per package)

Diatomaceous earth. Silica Source – Diatomaceous earth provides plants a source of silica, a nutrient increasingly proven to increase abiotic and biotic stress tolerance and to act as a carrier in accessing, delivering and retention of essential nutrients such as P and K.

DOSE AND GENERAL RECOMMENDATION

CROP	APPLICATION TIME	RATE
Transplants	Subsurface	45-54 g/acre (1.5-1.9 oz)
Cucurbits	Drip Tape	
watermelons, melons, squash, pumpkin	Prep-Plant Tray	18-27 g/acre (0.6-0.95 oz)
Solanaceae (tomato, pepper, etc.)	Drench	
	At Planting	27-36 g/acre (0.6-1.26 oz)
POTATO	Seed Treatment	27 g/acre (0.6 oz)
	In-Furrow at Planting	
BERRIES		
Strawberries, raspberry, blackberry	Drip, At Planting, bare root spray	27-36 g/acre (0.6-1.26oz)
TREES		
new and established	Container drench or bare root spray	720 grams per 30,000 tree seedlings (26.45 oz)
Nursery Production		

RHIZOGEN ENDO DE™ is compatible with most liquid fertilizers and soil amendments. It can be applied with mechanized sprinkler equipment, with backpack-type manual sprinklers and with fertigation devices.

METHODS TO PREPARE AND APPLY Rhizogen ENDO DE™, be sure to calibrate your application equipment before applying rhizogen ENDO DE™. It can be mixed with other liquid fertilizers and soil conditioners that will be used in spray equipment; hose-end sprinklers and other fertigation equipment. Shake well before use.



For information about suitability of Rhizogen ENDO DE™ for particular crops or advice on application rates, intervals or methods, please contact us at 281.367.7500. email: info@microbesbio.com

WARNING: Follow the instructions in the Material Safety Data Sheet for safety precautions and cleaning and maintenance of PPE (Personal Protective Equipment). If there are no instructions for washable items, use detergent and hot water. Not suitable for human consumption. Please keep it away from children. See Instructions for application methods and rates.



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BIOSCIENCES**

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