

ENDORHIZA®

BIOLOGICAL INOCULANT FOR AGRICULTURAL SOILS

GUARANTEED COMPOSITION

Active ingredient

- *Rhizophagus irregularis*
- *Rhizophagus clarus*
- *Rhizophagus aggregatus*
- *Rhizophagus proliferum*
- *Claroideoglomus etunicatum*

PRODUCT DESCRIPTION

Substrate: Liquid medium
pH: 5,0 a 5,7
Average number of propagules: 400
(spores and root fragments / mL)
Color: Dark green.



* Updated Technical Sheet: 30/05-2021



ENDORHIZA®

Approximately 85% of plant species live in symbiosis with a large number of soil fungi. Mycorrhizae are the symbiotic association formed between the root of the plant and the mycelium of a fungus (arbuscular mycorrhiza-forming fungi -AMF-). Its function is to facilitate absorption of nutrients and water; in some cases the tolerance capacity of the plant against pathogenic organisms has been demonstrated. The fungus supplies inorganic phosphate (P) to the plant. Plants, in turn, benefit fungi with nutrients that allow them to live. Therefore, the inoculation of the plants with mycorrhizae increases the quality and yield of the crops, accelerates the time of transplanting the seedlings, increases the tolerance to water stress, pH and the presence of toxic elements of the soil.

Mycorrhizal roots have the ability to absorb poorly mobile soil elements such as phosphorus, zinc, calcium and sulfur.

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RECOMMENDATIONS FOR USE

CULTIVE	DOSE	RECOMMENDATIONS
Bare root cuttings or seedlings: chrysanthemums, asters, other ornamentals; aromatic plants, bananas, blackberry.	Dilute 2 mL of solution in a liter of water and immerse the root or cutting and transplant to the soil or substrate	ENDORHIZA® should be placed in the root development zone. When seeds are inoculated, it is important to place the product during soil preparation. In established crops the product is applied by locating it near the root area or by drip and sprinkler irrigation systems.
Vegetable seedlings: tomato, paprika, lettuce, cucumber.	Dilute 1 mL of solution in one liter of water and spray the seedlings immediately after sowing.	
Fruit seedlings: avocado, gulupa, passion fruit, tree tomato, cape gooseberry, lulo and others.	Dilute 3 mL of solution in 1 liter of water and sprinkle the seedlings.	
Flowers at planting time	1 Liter / Ha. In 100 Liters of water	
Tomato, Melon, Paprika / at the time of sowing in the field or greenhouse.	1 Liter / Ha. In 100 Liters of water	
Pastures	1 Liter / Ha. In 100 Liters of water	
Fruit trees (avocado, citrus) at planting time and annually after harvest.	1 Liter / Ha. In 100 Liters of water	
Plants in bags or pots	Dilute 1 mL / L and apply 25 to 50 mL per bag or pot.	

STORAGE

ENDORHIZA® should be stored in its original and closed packaging, in a cool, dry and shady place. In these conditions it lasts 6 months after formulated.

ACTION MODE

When the spores germinate, their hyphae penetrate the cortical tissue of the plant root and cause a progressive infection of the cells of the cortex. In this process, the endomycorrhizae form branched, tree-like hyphae ends (arbuscules) in the cells of the cortex, which act as organs that improve the absorption of nutrients, through which the symbiotic metabolism between fungus and plant.

COMPATIBILITY

The application of certain fungicides can reduce the beneficial effect of mycorrhizae, therefore, it

is recommended to apply them individually; systemic fungicides can reduce colonization. In general, it is recommended to make a rational use of insecticides, nematicides and herbicides to maintain the activity of the mycorrhizae. Chemical fertilizers, especially those rich in phosphorus, can be reduced by up to 50%.

PRESENTATION

ENDORHIZA® is presented to the public in a concentrated suspension liquid formulation in containers of: 250 milliliters, 1, 4 and 20 liters.

SECURITY PERIOD

It does not require a grace period, but it is advisable to use the minimum protective equipment for spraying the product on crops. For better product effectiveness consult our technical department

TOXICOLOGICAL CLASSIFICATION: III

Microbial consortium for soil
Sale registration in process

Cel: 317 401 4810 - Tel: (4) 562 84 39 Rionegro - Antioquia
E-mails: bioquirama@hotmail.com gerencia@bioquirama.com