

- Specification Sheet -

RIZOMYC

RIZOMYC is a bioactive microbial solution which contains spores and hyphae of endomycorrhizal fungi of the genus *Glomus* sp., that enhance root growth and elongation, facilitating this way nutrients and water uptake by the plant. In addition, it contains beneficial rhizosphere bacteria and soil fungi which excrete substances that contribute to the formation of new rootlets, to the growth of the plant and the acquisition of resistance against various environmental and biotic factors.

PROPERTIES AND USES:

- It elicits root growth and promotes its penetration into the soil.
- It increases water absorption by plants root system.
- It increases plants tolerance to drought.
- It increases nutrients uptake by the root.
- It supplements plants nutrition in nitrogen, phosphorus and trace elements.
- It improves soil structure and architecture.
- It provides for a better soil aeration.
- It increases the beneficial microbial population of the soil and it improves its biological structure.
- It enhances plants vigor.
- It limits root rots.
- It accelerates plants growth rate.
- It increases yields.
- It is an environment-friendly product which does not disturb the balance of the ecosystem.
- It does not contain plant pathogens, since it is produced under sterile conditions.

APPLICATIONS – APPLICATION RATES:

RIZOMYC is applied by irrigation or soil spraying before planting or directly after transplanting. Moreover, it can be applied by dipping plantlets, cuttings, bare root nursery trees before they are transplanted. It is essential for **RIZOMYC** to be applied close to the roots area for the mycorrhiza to be successfully established on the root.

Generally **RIZOMYC** is applied as follows:

Soil application: 10-20 l/ha.

Dipping: 250-500 ml/100 l of water.

Hydroponics: 1 l/1,000 l of water

SYNTHESIS

Endomycorrhizae (*Glomus intraradices*, *G. clarum*, *G. mosseae*) 1x10⁵ cfu*/lt

Beneficial bacteria (*Bacillus megaterium*, *Azotobacter sp.*) 1x10¹¹ cfu/lt

Beneficial fungi (*Trichoderma harzianum*) 1x10¹¹ cfu/lt

*cfu: colony forming units

PHYSICAL PROPERTIES:

Appearance: White semi-transparent liquid

Solubility: 100% water soluble

pH: 7.0-7.3