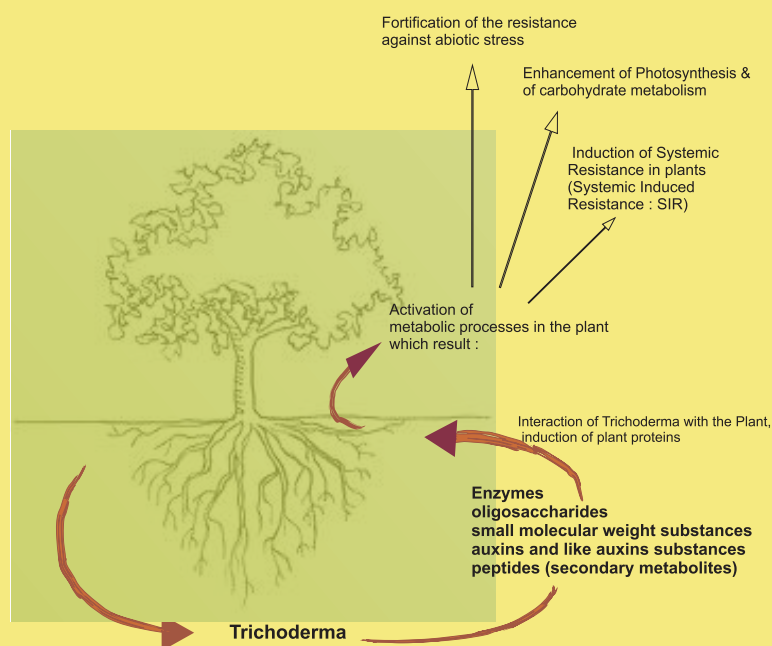


Tri-ACTIVE

bio
Suitable
for organic
crops

Growth Biostimulant

Tri-ACTIVE is a growth biostimulant, which ensures the fortified growth of the plants and their root system due to the various strains of the fungus *Trichoderma* that it contains. **Tri-ACTIVE** contains conidia and mycelium from the beneficial strains of *Trichoderma*, which colonize right after the application of the product the rhizosphere of the plant and promote the growth both of the underground and the overground part of the plants. Furthermore, they increase the assimilation of nutrients and water from the plants and as a result they contribute to a better nutrition of the crops and the enhancement of their resistance against various environmental - stress factors.



The beneficial strains of *Trichoderma* contains in **Tri-Active** interact with the root of the plant and release substances which achieve:

- ★ increase of the carbohydrate metabolism and enhancement of photosynthesis mostly in adverse environmental conditions
- ★ induction of the systemic resistance of the plant (Systemic Induced Resistance : SIR)
- ★ fortification of the resistance of the plant in harsh environmental conditions

STANDARD ANALYSIS

Beneficial microorganisms $>1.5 \times 10^{12}$ cfu*/l
Manganese (Mn) 0.1 %

*cfu: colony forming units

APPLICATION RATE - METHOD

Soil application: 5- 10 l/ha

Application in seedlings: Dipping in a solution 1 l of product in 10 l of water right before planting

Seed dipping: 10 ml of product per 1 kg of seed. Prepare a solution of appropriate volume in order the seeds to be soaked well. Then let the seeds dry before planting them.

Cutting dipping: In a solution 1 l of product per 10 l of water dip the cuttings for 10 minutes and then plant them

APPLICATION FREQUENCY

Usually every 4-6 weeks

Life expectancy: 8-12 months at room conditions and 2 years at 4°C



HUMOFERT



1 Ermou & Theotokopoulou str., 144 52 Metamorphosis, Tel +30 210 284 5891
Fax. +30 210 281 7971, Web Site: www.humofert.gr E-mail: info@humofert.gr

PROPERTIES

- * Breaks up the organic matter of the soil and contributes to the better nutrition of the plants
- * Solubilizes the soil nutrients (such as phosphorus, iron, copper etc.) and converts them in forms readily available to the plants
- * Enhances nitrogen assimilation by the plants and as a result the yield of the crop is increased
- * Ensures better assimilation of the applied fertilizers by the plants, thereby reducing the quantity of the used fertilizers and also the cost of the crop
- * Promotes the quick and proper growth of the root system of the plants. The beneficial strains of trichoderma create a bigger in depth and weight root system, more robust and with many roots. Furthermore the root has a higher penetration in the soil and an enhanced water assimilation
- * Increases the content of the plants in chlorophyll and therefore increases the rate of photosynthesis and makes plants greener
- * The content of the plant cells in nucleic acids, proteins and phytohormones is increased which contributes to the growth of the plants
- * Fortifies the resistance of plants against drought. In addition it enhances the resistance of the plant in salinity since it affects the concentration of potassium in the plant cells. Potassium plays a key role in the opening-closing of the stomata and increases the osmotic adjustment of the plant in conditions of high salinity
- * Increases the seed germination significantly
- * Fortifies the resistance of the plants in various stressful environmental factors, since it reduces the oxidative injuries that a plant can undergo due to the abiotic stressful factors
- * Reinforces the plant defence through substances which induce the systemic resistance in plants (Systemic Induced Resistance : SIR)
- * Enhances the growth of the crops and their yield even in adverse environmental conditions (drought, salinity, high temperature etc.)
- * Is an ecological product which ensures a sustainable, fertile and healthy soil

