



Mikro-Root

www.mikrobs.com

Mikro-Root

Bio-Fertilizer &
Phosphate Solubilizer



Best for:

Healthier, Disease-Free
Root Zones
Increased Phosphate,
Micronutrient Availability
Seed Germination



Contains more than 84 million Trichoderma fungi that solubilize fixed phosphate in soil and build healthy root zones.

net weight: 4 oz (113g)



**Healthier Growth,
Higher Yield, while
Restoring Our Earth**



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Trichoderma Fungi for Healthier Root Management

Mikro-Root, a Trichoderma-based bio-fertilizer and phosphate solubilizer, is an essential product for effective organic root management & healthier and bigger disease-free root zones.

Novel Bio-Fertilizer: Phosphate Solubilization, Increased Nutrient Availability

Trichoderma functions as a bio-fertilizer in more ways than one. First, the two carefully selected, cultivated, and tested proprietary Trichoderma strains in Mikro-Root latch onto roots in the soil. Once they have colonized the area, they start building symbiotic relationships with roots in their vicinity. They help plants produce phytohormones (which encourage growth), enzymes (which boost metabolism), and other components such as phytoalexins and phenols (which enhance resistance against abiotic stressors including but not limited to droughts, salinity, heavy metals, extreme temperatures, etc.). Next, these beneficial fungi induce Auxin-like compounds that augment growth of lateral roots and root hairs. Unlike Mycorrhizal Fungi that extend their own hyphae to mine nutrients, Trichoderma fungi stimulate plant roots, causing them to expand, thus allowing them to explore more volumes of soil. In soil, however, there are fixed nutrients which plant roots cannot immediately absorb. This is where Trichoderma fungi intervene once again. When interacting with plant roots, they solubilize various insoluble trace elements-

e.g. Zn, Cu, Mn, Mg, Fe- through multiple venues including secretion of organic acid, chelation, and reduction processes. During this interaction, Trichoderma fungi also solubilize a key nutrient- Phosphate.

Trichoderma is usually treated as a bio-fungicide, used to prevent or help treat soilborne fungal diseases such as Fusarium, Rhizoctonia, Sclerotinia, Pythium, and Phytophthora. However, when you treat it *solely* as a bio-fungicide, you miss out on other useful and valuable functions that Trichoderma is capable of. Trichoderma needs to be actively proposed and utilized as a bio-fertilizer, beyond its current use as a bio-fungicide.

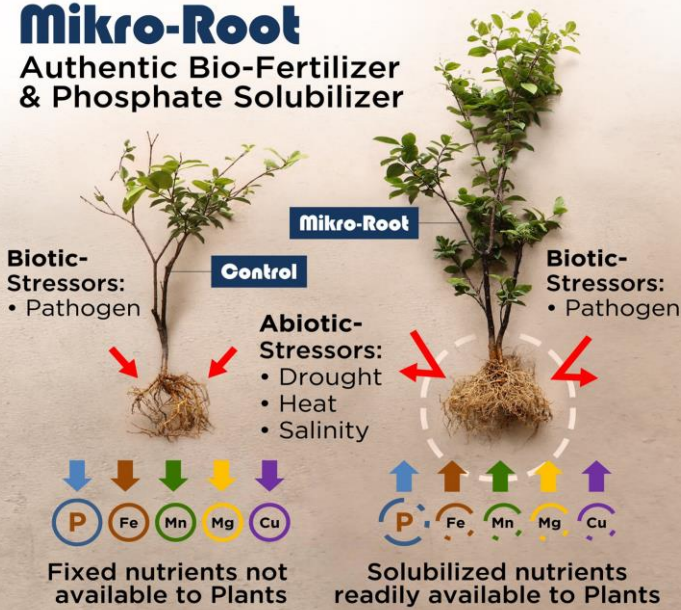
Mikro-Root approaches this amazing fungus with a broad & inspired vision and helps Trichoderma live up to its full potential as a bio-fertilizer. Mikro-Root promotes plant growth not through a single simple mechanism, but through a holistic approach- suppressing or competing out pathogens, increasing resistance against abiotic stressors, solubilizing insoluble minerals and phosphate, encouraging root growth and nutrient uptake leading to active photosynthesis, and invigorating plant metabolism. Mikro-Root is a true root whisperer.

Guaranteed Outcomes

- Healthy, Disease-Free Root System
- Robust Root Hairs
- Increased Yield Rates
- Enhanced Drought Tolerance
- Higher Seed Germination Rates

Mikro-Root

Authentic Bio-Fertilizer & Phosphate Solubilizer



Available Sizes

- 2oz / 4oz Stand-up Pouch
- 5 lbs. / 25 lbs. Pail

Ingredients

Trichoderma Fungi

- Trichoderma harzianum..... 1.0 x 10⁷ cfu/g
- Trichoderma Viride..... 1.0 x 10⁷ cfu/g

Inert Ingredient99%

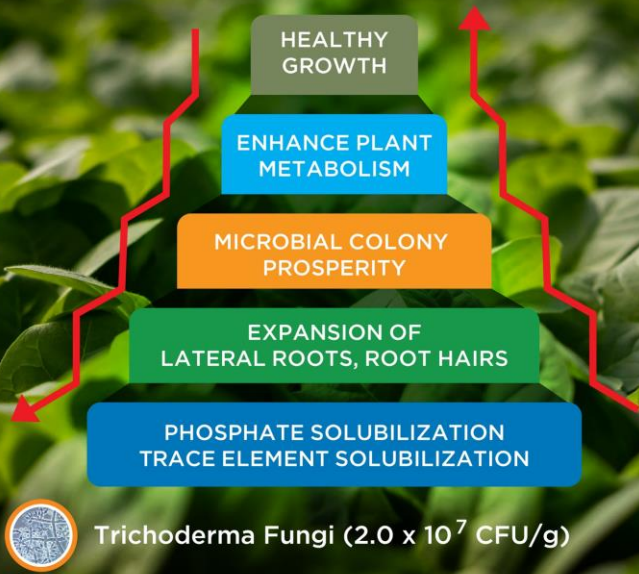
Storage

Keep it sealed and store in a cool & dry area. Avoid direct sunlight.

Warranty

Microbial Applications, Inc., manufacturer and distributor of Mikro-Root, offers a FULL refund without dispute if you return the product within 45 days of purchase. However, the customer will be liable for the return shipping fees. Refund process will be initiated upon receipt of returned product. Reimbursement will be processed through the original payment method. Disclaimer: We offer no guarantees concerning the use of this product other than what is indicated on the label.

HIGH CONCENTRATION OF TRICHODERMA FUNGI BUILDS HEALTHY & SAFE ROOT ZONES



Application Method

Soil Drench

Target	Mix Rate	Application Rate	Interval
Plants	1 tsp (2.5g) / gallon of water	7-8 plants (1 gal. pot)	2nd: 7th day, 3rd: 4th wk. 4th: 8th wk
Transplants	1 tbsp (5.0g) / gal.	7-8 plants (1ft overall height)	2nd: 7th day, 3rd: 4th wk. 4th: 8th wk
Garden Bed	1 tsp (2.5g) - 1 tbsp (5.0g) / gal.	7-8 plants (1ft overall height)	2nd: 7th day, 3rd: 4th wk. 4th: 8th wk

Spray / Broadcast

Target	Mix Rate	Application Rate	Interval
Seed Coat	1 tbsp (5.0g) / gallon of water	1 lb of Mikro-Root for 1 ac.	2nd: 14th day, 3rd: 4th wk

Dry Application

Target	Amount of Application	Area of Application	Remarks
Plants	1 tsp (2.5g) - 1 tbsp (5.0g)	Planting Hole	From 2nd : Soil Drench (14th day, 5th wk, 9th wk)
Transplants	1 tsp (2.5g) - 1 tbsp (5.0g)	Transplanting Hole	