

BIOENEMY AFRICA LIMITED



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Available in:

Wettable Powder: 125g, 500g, 1Kg, 2.5Kg

Liquid Concentrate: 500 ml, 1 L, 5 L



BIO-ACTIVA™ Biofertilizer

TRICHODERMA + AMF CONSORTIUM

Arbuscular mycorrhizae extend the root's reach for water and nutrients while complementary Trichoderma strains deliver rapid pathogen suppression, sustained root colonization and immune priming – together providing immediate protection and long-term uptake for stronger, more resilient plants.

TWO ROOT ALLIES: UPTAKE + PROTECTION.



WHY CHOOSE BIO-ACTIVA™?

Dual-action: AMF extends the root's reach for phosphorus, micronutrients and water; Trichoderma supplies fast, biological protection and primes plant defenses.

Same practical rate across crops: 1 kg / acre for W.P. and 1 L/acre for liquid. One simple program for seed, nursery, transplant and field use. Formulated for compatibility with common farm practice.

BIO-ACTIVA™: *T. asperellum* + *Rhizophagus irregularis*

Balanced uptake & protection — deep colonization + AMF synergy.

Best for: Preventive programs, long-term colonization, broad soil pH ranges and AMF-friendly systems.

Benefits:

- Superior root colonization and AMF compatibility
- Steady, persistent protection and ISR
- Excellent across acidic to neutral soils

BIO-ACTIVA™: *T. harzianum* + *Rhizophagus irregularis*

Defense-first consortium — rapid pathogen suppression with AMF uptake.

Best for: High disease pressure, rescue/curative applications, fast early suppression.

Benefits:

- Rapid germination and early pathogen suppression
- Strong mycoparasitism & enzyme activity
- Optimized formulation to reduce AMF competition

Application guide

Seed treatment: Mix 1 kg with seeds for 1 acre; sow immediately.

Soil drench: Apply 1 kg/1 L diluted to root zone; typical spray volume

Transplant / Root dip: Prepare a root dip using 125 g (or 125 mL) of Bio-Activa in 20 L of clean water. Dip roots 1–5 min; plant immediately.

Pruning: Drench damaged tissues.

- Avoid mixing with oxidizers; allow 48–72 h between strong fungicides and BIO-ACTIVA applications.
- Avoid heavy P at inoculation to favour AMF.



HOW IT WORKS



ANTIBIOSIS

Trichoderma releases compounds that inhibit harmful pathogens, enhancing plant health and resilience.



MYCOPARASITISM

The coiling hypha of Trichoderma attacks and consumes harmful pathogens, reducing their impact on plants.

COMPETITION

Both fungi compete with pathogens for resources, effectively protecting plants from diseases and stress.



IMPROVE WATER & NUTRIENT UPTAKE

Arbuscular mycorrhizae (AMF) improve nutrient and water uptake, creating a network that benefits the plant's growth and resilience.

SOIL MICROBIOME ENHANCEMENT

The collaboration between Trichoderma and AMF fosters a thriving soil microbiome, enhancing plant growth and resilience against environmental stressors.

