



# BIO-ACTIVA™

Biofertilizer

*Trichoderma + AMF Root Consortium*



## Technical Data Sheet

**Product name:** BIO-ACTIVA™

**Formulation type:** Aqueous concentrate & Wettable powder

**Manufacturers & Distributor:** Bioenemy Africa Ltd

**Intended use:** Biological root inoculant for seed treatment, nursery, transplant, in-furrow/soil drench and fertigation.

**Products:** Bio-Activa *T. asperellum* + AMF

Bio-Activa *T. harzianum* + AMF

Property	Wettable Powder (WP)	Liquid Concentrate
<b>Formulation type</b>	Wettable Powder (WP) – powdered spore concentrate in inert carrier	Aqueous Suspension Concentrate (SC) – live microbial inoculant
<b>Appearance</b>	Off-white to pale green powder	Pale green liquid suspension (slightly turbid)
<b>Odour</b>	Typical fungal / earthy	Typical fungal / earthy
<b>pH (1% dilution)</b>	5.5 – 7.5	5.5 – 7.5
<b>Microbial declaration – Trichoderma</b>	<i>Trichoderma</i> spp. – $\geq 3 \times 10^{12}$ CFU/g	<i>Trichoderma</i> spp. – $\geq 3 \times 10^{12}$ CFU/ml
<b>Microbial declaration – AMF</b>	AMF ( <i>Rhizophagus irregularis</i> ) – $\geq 400$ propagules/g	AMF ( <i>Rhizophagus irregularis</i> ) – $\geq 400$ propagules/ml
<b>Solubility / dispersibility</b>	Dispersible in water; forms suspension at use rates	Ready to dilute.
<b>Storage &amp; shelf life</b>	Store sealed, dry, 4–25 °C; shelf life <b>12 months</b>	Store sealed, 4–25 °C; shelf life <b>12 months</b>
<b>Packaging</b>	Moisture-barrier pouches/sachets; 125 g / 500 g / 1 kg/2.5 Kg	Opaque bottles/ jerrycans: 500 ml, 1 L, 5 L.
<b>Handling / PPE</b>	Avoid dust inhalation – gloves, dust mask, goggles	Avoid splash – gloves, eye protection; inhalation risk reduced vs WP
<b>Mixing / agitation</b>	Add to water with agitation to form uniform suspension.	Shake before use; maintain gentle continuous agitation.
<b>Application</b>	Rate: <b>1 kg / acre (2.5 kg/ha)</b> ; use minimal water for seed slurry; 125 g in 20 L for root dip.	Rate: <b>1 L / acre</b> .
<b>Tank-mix / compatibility</b>	Avoid mixing with strong oxidizers, disinfectants, high-dose copper; allow 48–72 h from fungicides; Avoid P to favor AMF	Same restrictions; avoid chlorine/oxidizers; inject downstream of filters for fertigation.

### Target diseases

- ✓ Sclerotinia spp.
- ✓ Rhizoctonia spp
- ✓ Verticillium spp.
- ✓ Phytophthora spp.
- ✓ Fusarium spp.
- ✓ Sclerotium spp.
- ✓ Thielaviopsis spp.
- ✓ Pythium
- ✓ Damaged tissues