



LIVE BIOCONTROL · SOIL & PLANT LINE

VitaTricol

Three microorganisms working for you.

REFERENCE RATE

1.5–3 L/ha

- ☒ Nationally manufactured
- ☒ Native microbiology
- ☒ No chemical withholding period

What it is

A live biological control with three microorganisms: Trichoderma, a fungus antagonistic to soil pathogens that controls Fusarium; Bacillus subtilis, a bacterium antagonistic to fungi; and Bacillus thuringiensis, a bacterium that produces the Cry protein, a caterpillar biocontrol.

Why it works

Outcompetes pathogens

Takes up the space and the food of the soil fungi that rot roots and cost you seedlings.

Metabolites and enzymes

Produces metabolites and enzymes antagonistic to soil fungi, on the seed and on the seedling.

Acts on the caterpillar

Bacillus thuringiensis acts directly on the caterpillar. Its insect activity is caterpillar-specific, not broad-spectrum.

Breaks down and solubilizes

Breaks down biomass, solubilizes minerals and produces vitamins and enzymes the plant uses.

What to expect

Every figure states its evidence level

0 passes

Fungicide passes on the 2025/26 plot, with lower Cercospora incidence

MEASURED RESULT

2,700 → 5,200 kg/ha

Five soybean seasons under sustained regenerative management

FIELD OBSERVATION



Where and how to apply

SYSTEM	RATE	APPLICATION METHOD
In-furrow inoculation	2.5 L/ha	Within the planting-plan mix
Foliar	3 L/ha, then 2 L/ha	3 L/ha on the first pass and 2 L/ha on those following

Live biological product: chlorine-free water, or water left to stand 12 hours, mixed fresh, never with bactericides.

The case behind every figure

Sector, region and scale; never the grower’s name

MEASURED RESULT Soybeans, southern region: less purple seed stain with no fungicide pass

2025/26 comparison plot with VitaCrop and VitaTricol across all four passes: lower Cercospora incidence with no fungicide pass at all, in a year of rainfall far above normal.

FIELD OBSERVATION Soybeans, Campo 9 area: five seasons of gains

Sustained regenerative management, with VitaTricol in-furrow and in all four passes of the cycle: 2,700 kg/ha in the drought year, then 4,000, 4,200, 4,700 and 5,200 kg/ha.

Technical data

Base	Trichoderma fungus; Bacillus subtilis and Bacillus thuringiensis bacteria
Format	Liquid concentrate
Viability	6 months from manufacture
Storage	Shaded, cool, out of direct sun
Origin	Made in Paraguay
Withholding	No chemical withholding period
Crops	Row crops, horticulture and fresh-market crops

Works with

VitaCrop

The biostimulant that rides with VitaTricol across all four passes of the cycle.

VitaN2

The biological nitrogen in the same in-furrow mix.

GrowBox

GRIP carries the same three microorganisms onto the seed.



NEXT STEP

Request a quote or talk to an agronomist

An agronomist replies within 24 business hours. We set the rate and the protocol against your own field's diagnosis.

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Before you buy, measure your soil

Soil chromatography sets the baseline and the rate. A result from your own field is a better argument than anyone else's case.

Request a diagnosis →