

SEED TREATMENT KIT · SOIL & PLANT LINE

GrowBox

One word. Four forces. One direction.

REFERENCE RATE

6 L / 1,000 kg
 Nationally manufactured

 Six native microorganisms

 A single operation

What it is

A closed four-component kit, mixed once and applied once before planting. It protects the seed at its most vulnerable moment, establishes biological nitrogen fixation, releases held phosphorus and wakes up the seedling's metabolism.

Why it works

GRIP · protects and solubilizes

Trichoderma, Bacillus subtilis and Bacillus thuringiensis: protects the seed from soil fungi and releases the phosphorus already there.

RISE · fixes nitrogen and roots

Azospirillum brasilense and Bradyrhizobium japonicum establish biological nitrogen fixation from germination.

ORIGIN · micronutrition

Nitrogen, sulfur, zinc, molybdenum, cobalt, silicon and organic carbon: it sustains the biologicals' work.

WAKE · wakes the seedling

Lactobacillus and an organic matrix: more even, faster emergence.

What to expect

Every figure states its evidence level

86.7 to 96 %

Germination at 75 hours, against 37 to 52% for conventional

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
Seed	1 box (6 L) / 1,000 kg	A single treatment operation, before planting
Soybeans	20 ha per box	At 50 kg of seed per hectare

A single treatment operation before planting. Live biological product: chlorine-free water, or water left to stand 12 hours, never with bactericides.

The case behind every figure

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

MEASURED RESULT **Germination: 86.7 to 96% at 75 hours**

In an in-house study with a statistical design, regeneratively managed seed treated with our inoculant germinated between 86.7 and 96% at 75 hours, against 37 to 52% for conventional. At 140 hours, between 96.7 and 98.7% against 73 to 88.7%.

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

Sustained regenerative management with seed treatment and in-furrow inoculation: 2,700 kg/ha in the drought year, then 4,000, 4,200, 4,700 and 5,200 kg/ha.

Technical data

Format	4-component box, 6 L, treats 1,000 kg of seed
Base	GRIP (Trichoderma, Bacillus subtilis, Bacillus thuringiensis) · RISE (Azospirillum brasilense, Bradyrhizobium japonicum) · ORIGIN (N, S, Zn, Mo, Co, Si, organic carbon) · WAKE (Lactobacillus and organic matrix)
Viability	6 months from manufacture
Storage	Shaded, cool, out of direct sun
Origin	Made in Paraguay
Crops	Soybeans and row crops

Works with

VitaN2

The nitrogen fixation that carries on in-furrow what RISE establishes on the seed.

VitaTricol

The live in-furrow biocontrol, in the same planting mix.

FILABIOSA

The in-furrow microbiology that wakes the soil around the seedling.



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 →