

AgriBac 2026



RhizoPulse BeansTM

— *Rhizobium tropici* —
Biological Inoculant
— BY AGRIBAC —

TWO-STRAIN CONSORTIUM FOR
DRY BEANS



EFFECTIVE NODULATION
More nodules. Stronger roots.



BIOLOGICAL NITROGEN FIXATION
Natural nitrogen for better growth.



STRONGER PLANTS
Improved vigour and stress tolerance.



HIGHER YIELD POTENTIAL
Better pods. More beans. Better returns.



LIVE BIOLOGY.
LASTING IMPACT.



POWERED BY NATURE.
FUELLED BY SCIENCE.



BUILT FOR
SOUTH AFRICAN FARMERS.



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RhizoPulse Beans™

— *Rhizobium tropici* —
 Biological Inoculant
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**BIOLOGICAL POWER FOR
STRONGER BEANS**

? WHY INOCULATE DRY BEANS?

Bean crops naturally form a symbiosis with *Rhizobium* bacteria to access nitrogen from the air. In many soils, native populations are low or ineffective, limiting nodulation and nitrogen fixation—resulting in weak growth and lower yields.



RhizoPulse Beans™ ensures an early, strong and effective nodulation for maximum biological nitrogen fixation and crop performance.

THE POWER OF A TWO-STRAIN CONSORTIUM

RhizoPulse Beans™ contains a carefully selected consortium of *Rhizobium tropici* strains that work together to:



BROADEN COLONISATION

Different strengths for various soil types and environmental conditions.



ENHANCE NODULATION

More nodules per plant and better nodule distribution across the root system.



IMPROVE BIOLOGICAL NITROGEN FIXATION

More efficient conversion of atmospheric nitrogen into plant-available forms.



BUILD RESILIENCE

Greater tolerance to stress, temperature variation and soil challenges.



DELIVER HIGHER YIELD POTENTIAL

Stronger plants, better pods, more beans and improved quality.



IDEAL FOR DRY BEANS

- ✓ Red speckled beans
- ✓ Sugar beans
- ✓ Navy beans
- ✓ Borlotti / Cranberry
- ✓ Black beans
- ✓ And other common dry bean varieties

WHAT MAKES RHIZOPULSE BEANS™ DIFFERENT?



EARLY ESTABLISHMENT

Fast root colonisation for early nodulation and plant vigour.



STRONGER ROOTS

More nodules mean stronger roots and better nutrient uptake.



NATURAL NUTRITION

Supplies nitrogen naturally, reducing dependence on synthetic fertilisers.



BETTER POD SET

Healthy plants with good nutrition set more pods and bigger beans.



SUSTAINABLE RESULTS

Improves soil health and supports long-term productivity.



Maximise the benefits by using *RhizoPulse Beans™* with **DP500** Protectant for the best start and strongest results.



**POWERED BY NATURE.
FUELLED BY SCIENCE.**



Unlock the power of biological nitrogen for stronger beans and better yields.

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THE SCIENCE

BEHIND STRONGER BEANS

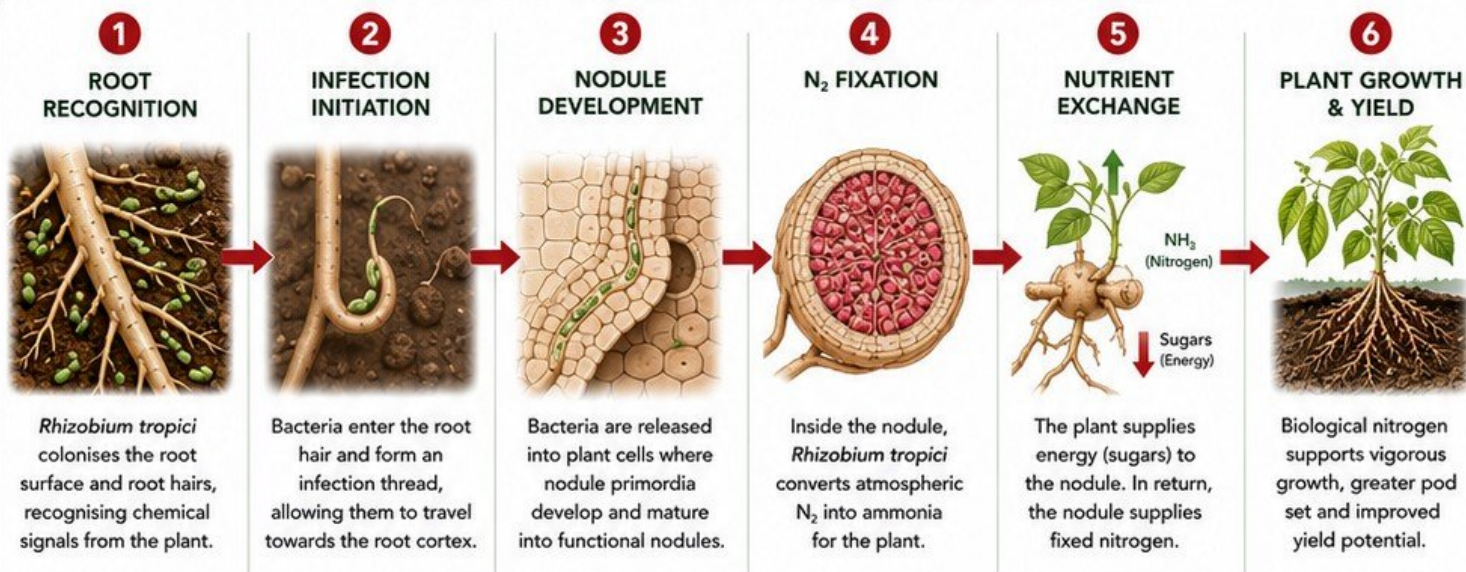
RhizoPulse Beans™ (*Rhizobium tropici*) forms a natural partnership with your bean crop, delivering biological nitrogen fixation for stronger growth and higher yields.



A HEALTHY NODULE = ACTIVE NITROGEN FIXATION

Active nodules are pink to red inside, indicating that nitrogen is being fixed and supplied to the plant.

FROM ROOT TO NODULE – THE NATURAL NITROGEN CYCLE



HOW TO IDENTIFY ACTIVE NODULES

Active nodules are a sign that your *RhizoPulse Beans™* inoculant is working.



ACTIVE NODULE
Pink to red inside.



YOUNG NODULE
Cream to light pink.



INACTIVE NODULE
Green or white inside.



START STRONG. STAY STRONG. FINISH STRONG.
With *RhizoPulse Beans™*, your beans get the nitrogen they need – naturally, efficiently and sustainably.



MORE NODULES
Better establishment



MORE NITROGEN
Better growth



MORE YIELD
Better returns



**POWERED BY NATURE.
FUELLED BY SCIENCE.**



Unlock the power of biological nitrogen for stronger beans and better yields.

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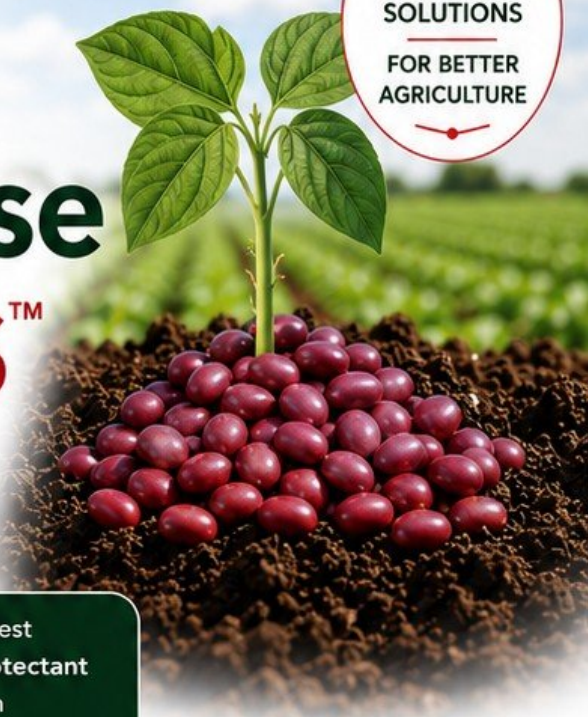


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RhizoPulse Beans™

— *Rhizobium tropici* —
Biological Inoculant
— BY AGRIBAC —



APPLICATION MADE SIMPLE

Easy to use. Proven results.
For maximum nodulation,
apply to seed before planting.



RhizoPulse Beans™ works best
when used with **DP500 Protectant**
for superior seed protection
and establishment.



APPLICATION RATE

2 L RhizoPulse Beans™
per 1 ton of dry bean seed

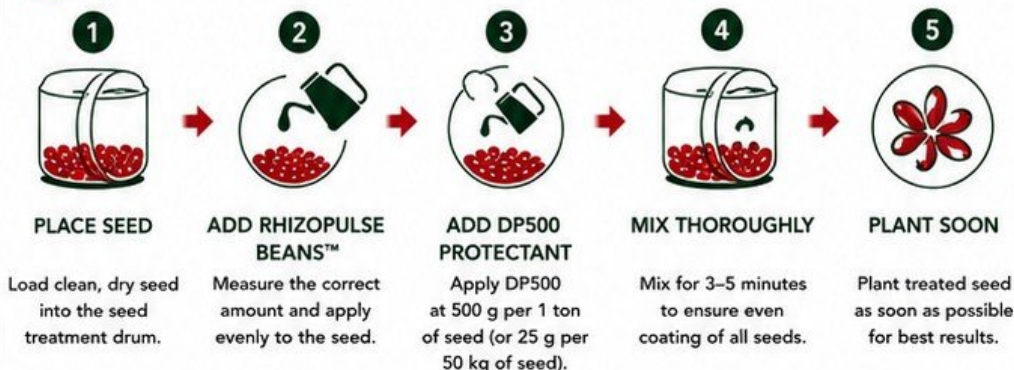
OR

100 mL RhizoPulse Beans™
per 50 kg of seed

Use the rate for best nodulation
and nitrogen fixation.



MIXING SEQUENCE (SEED TREATMENT)



COMPATIBILITY

RhizoPulse Beans™ is compatible
with most commonly used seed
treatment products.

COMPATIBLE WITH:

- ✓ Fungicides (metalaxyl, thiram, etc.)
- ✓ Insecticides (imidacloprid, thiamethoxam, etc.)
- ✓ Micronutrients
- ✓ Biostimulants

AVOID MIXING WITH:

- ✗ High rates of copper-based products
- ✗ Formaldehyde
- ✗ Strong oxidising agents



STORAGE & HANDLING



Store in a cool place
(4 – 25 °C).



Do not freeze.



Keep out of direct sunlight.



Use before the expiry date
for maximum effectiveness.



Shake well before use.



Keep container tightly closed
when not in use.



BEST PRACTICE TIPS



Use high quality, clean seed with
good germination.



Ensure uniform coverage of seed
with RhizoPulse Beans™ and DP500.



Plant into a moist seedbed
for best establishment.



Avoid delays between seed treatment
and planting.



Inoculation + DP500 = Strong Start
Stronger Roots. Better Yields.



A STRONG START ABOVE GROUND BEGINS BELOW GROUND.

Use RhizoPulse Beans™ with DP500 for maximum nodulation,
protection and yield potential.



POWERED BY NATURE.
FUELLED BY SCIENCE.



Unlock the power of
biological nitrogen for
stronger beans and
better yields.

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RhizoPulse Beans™


BIOLOGICAL SOLUTIONS
 FOR BETTER AGRICULTURE

FIELD PERFORMANCE THAT DELIVERS

RhizoPulse Beans™ establishes quickly and works in partnership with your crop to unlock the full potential of your beans.



RAPID ESTABLISHMENT

Rhizobium tropici colonises roots quickly for early infection and nodule initiation.



EFFECTIVE NODULATION

More and better nodules mean more nitrogen fixed, earlier in the season.



BIOLOGICAL NITROGEN FIXATION

Converts atmospheric nitrogen into plant-available forms, supporting continuous growth.



STRONGER PLANTS

Increased vigour, greener leaves, better stress tolerance and improved root development.



HIGHER YIELD POTENTIAL

More pods, more beans and better quality for improved returns.

FROM PLANTING TO HARVEST – STRONGER AT EVERY STAGE



EMERGENCE

Healthy start with strong root development.



EARLY GROWTH

Rapid nodulation and vigorous vegetative growth.



FLOWERING

Adequate nitrogen supply supports flowering and pod set.



POD DEVELOPMENT

Consistent nitrogen fixation fills pods and improves bean size.



MATURITY

Higher yields and better quality beans at harvest.

CHECK YOUR NODULES

Dig up a few plants 3–5 weeks after emergence and check your nodules. Pink to red nodules mean your RhizoPulse Beans™ inoculant is working and fixing nitrogen!



ACTIVE NODULE

Pink to red inside. This is where nitrogen is fixed.



YOUNG NODULE

Cream to light pink. Nodule is developing and will become active.



INACTIVE NODULE

Green or white inside. Not fixing nitrogen.



PROVEN BENEFITS IN THE FIELD

- ✓ Improved stand establishment
- ✓ More active nodules per plant
- ✓ Higher biological nitrogen fixation
- ✓ Better crop vigour and stress tolerance
- ✓ Increased yield and profit potential

RESULTS YOU CAN SEE. RETURNS YOU CAN COUNT ON.



STRONGER ROOT SYSTEM

More roots and nodules explore more soil and capture more nutrients and water.



MORE PODS, MORE BEANS

Better pod set and filling lead to higher yields of quality beans.



BETTER RETURNS

Higher yields, improved bean quality and better profitability for your farming operation.



**STRONGER START.
BETTER NODULATION.
HIGHER YIELDS.**

Choose RhizoPulse Beans™ (*Rhizobium tropici*) with DP500 Protectant for the best start above ground and the strongest biological performance below ground.



**POWERED BY NATURE.
FUELLED BY SCIENCE.**



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CONTACT US

For product information, orders,
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**LIVE BENEFICIAL
MICROORGANISMS**

Working with nature
to support crop vitality.



**SCIENTIFICALLY
DEVELOPED**

Research-driven solutions
for real-world results.



**QUALITY ASSURED
& RELIABLE**

Produced under strict quality
standards you can trust.



**SUSTAINABLE
AGRICULTURE**

Better for your soil,
crops and future.



**POWERED BY NATURE.
FUELLED BY SCIENCE.**



Unlock the power of
atmospheric nitrogen for
stronger, more productive
bean stands.



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*Stronger roots. Better nodulation.
Stronger harvests.*