



PhosphoSol™

PHOSPHATE-SOLUBILISING BIOLOGICAL INOCULANT
BY
AGRIBAC

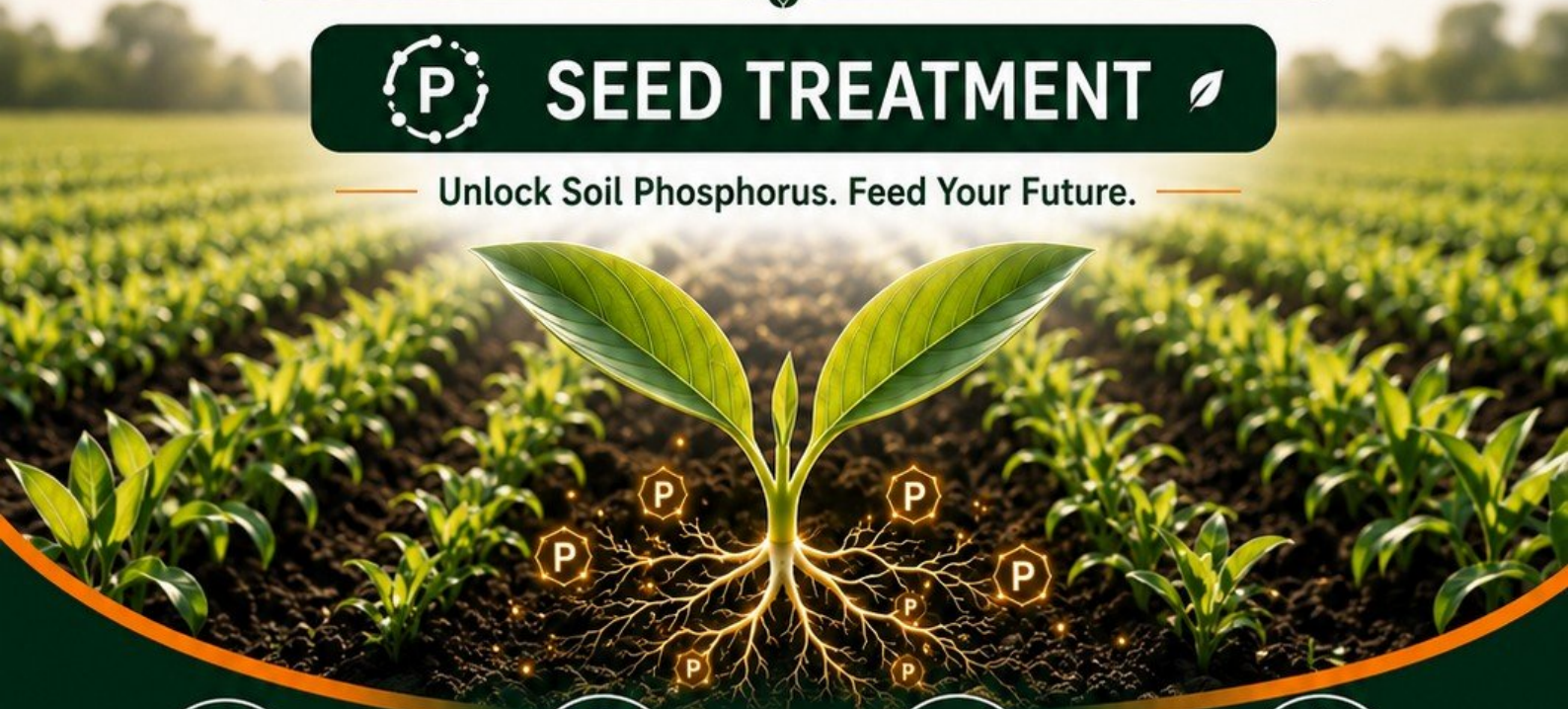
ADVANCED PHOSPHATE-SOLUBILISING BACTERIA + DP500 PROTECTANT



SEED TREATMENT



Unlock Soil Phosphorus. Feed Your Future.



STRONGER ROOTS

Stimulates Root Growth
& Development



UNLOCKS PHOSPHORUS

Converts Locked Phosphorus
into Plant-Available Forms



BETTER NUTRITION

Improves Nutrient Uptake
& Use Efficiency



HIGHER YIELDS

Better Establishment.
More Profitable Crops.



Simple to apply.
Powerful results.



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

Unlock the power of beneficial bacteria
for stronger, healthier crops.



PhosphoSol™

PHOSPHATE-SOLUBILISING BIOLOGICAL INOCULANT

PRODUCT SUMMARY

PhosphoSol is a premium phosphate-solubilising biological inoculant containing beneficial bacteria that unlock bound phosphorus in the soil and convert it into plant-available forms.

This improves phosphorus availability, stimulates root development, and enhances nutrient uptake to support stronger crop establishment and higher yields.

KEY BENEFITS



UNLOCKS FIXED SOIL PHOSPHORUS

Makes bound phosphorus available for plant uptake.



STIMULATES ROOT GROWTH

Promotes stronger, more extensive root systems.



IMPROVES PHOSPHORUS USE EFFICIENCY

Helps crops make the most of existing soil and fertiliser phosphorus.



ENHANCES NUTRIENT UPTAKE

Supports better uptake of phosphorus and other essential nutrients.



SUPPORTS HEALTHY, RESILIENT CROPS

Improves early vigour and overall crop performance.



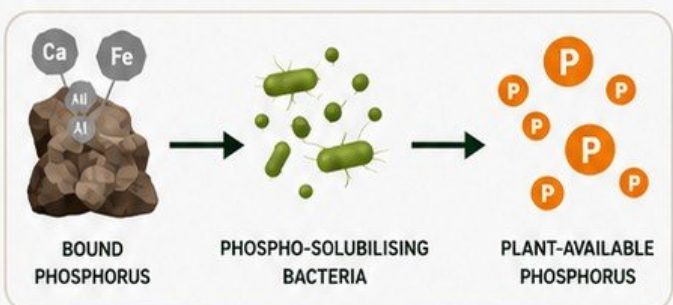
COMPATIBLE & SUSTAINABLE

Works with conventional and regenerative farming systems.

HOW IT WORKS

PhosphoSol contains naturally occurring phosphate-solubilising bacteria (PSB). These beneficial microorganisms colonise the root zone and release organic acids and enzymes that break down insoluble phosphorus compounds.

The process converts phosphorus locked to calcium, iron and aluminium into forms plants can absorb and use – right where roots need it most.



IDEAL APPLICATIONS



SEED
TREATMENT



IN-FURROW
AT PLANTING



SOIL
APPLICATION



WIDE RANGE
OF CROPS

SUITABLE FOR

Maize • Wheat • Soybeans • Dry Beans
Sunflower • Sorghum • Canola • And more



THE AGRIBAC ADVANTAGE

- ✓ High concentration of live, effective bacteria
- ✓ Locally produced for South African conditions
- ✓ Easy to mix and apply
- ✓ Proven results in field trials and on-farm use
- ✓ Works alongside your fertiliser programme to improve performance and profitability





PhosphoSol™

PHOSPHATE-SOLUBILISING BIOLOGICAL INOCULANT

THE SCIENCE BEHIND PHOSPHOSOL

Many soils contain large amounts of total phosphorus, but most of it is locked in unavailable forms. PhosphoSol introduces specialised phosphate-solubilising bacteria (PSB) that naturally unlock these reserves.

These beneficial bacteria colonise the root zone and release organic acids and enzymes that break down insoluble phosphorus compounds bound to calcium, iron and aluminium.

The result: More plant-available phosphorus exactly where your crop needs it most.



LOCKED PHOSPHORUS
Unavailable forms bound to soil minerals.

Ca Fe Al

PHOSPHOSOL BACTERIA
Release organic acids and enzymes.

PLANT-AVAILABLE PHOSPHORUS
Released and absorbed by plant roots.

WHY PHOSPHOSOL?



UNLOCKS SOIL POTENTIAL
Converts locked phosphorus into forms plants can absorb and use.



STRONGER ROOTS
Promotes extensive root development for better exploration and uptake.



IMPROVED NUTRIENT USE EFFICIENCY
Helps your crop make the most of existing fertility and fertilisers.



BETTER CROP ESTABLISHMENT
Enhances early vigour and plant health.



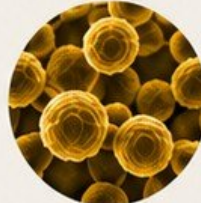
INCREASED PRODUCTIVITY
Leads to higher yield potential and better return on investment.



SUSTAINABLE CHOICE
Supports soil health and regenerative farming practices.

POWERED BY BENEFICIAL MICROORGANISMS

PhosphoSol contains a high concentration of naturally occurring phosphate-solubilising bacteria carefully selected for their efficiency and survival in South African soil conditions.



- ✓ High concentration of live phosphate-solubilising bacteria
- ✓ Proven ability to solubilise bound phosphorus
- ✓ Effective across a wide range of soil types and conditions
- ✓ Stable formulation for reliable performance



PhosphoSol™

APPLICATION & USAGE GUIDE

Easy to use and integrate into your existing farming practices. Apply **PhosphoSol**, **TrichoSol** and **DP500** together to give your crops the biological advantage they need from the start.



HIGH CONCENTRATION. MAXIMUM IMPACT.

Cfu/seed $\approx 4 \times 10^7$ per seed

Cfu/ha $\approx 5 \times 10^{11}$ per ha



APPLICATION RATES

SEED TREATMENT



4 L

PER TON OF SEED

Ensures better root colonisation and stronger early establishment.

SOIL / IN-FURROW APPLICATION



2 L

PER HECTARE

Apply in-furrow, with irrigation or as a soil drench.



MIXING INSTRUCTIONS



1. SHAKE WELL

Shake PhosphoSol and TrichoSol thoroughly before use to ensure an even distribution of beneficial microorganisms.

2. PREPARE THE MIXTURE

Add 2 L PhosphoSol + 1 L TrichoSol to a clean mixing container. Add 1 L clean, chlorine-free water and mix thoroughly.

3. APPLY TO SEED

Apply the 4 L mixture per ton of seed while continuously mixing the seed to ensure even coverage.

4. ADD DP500

Immediately after liquid application, add 500 g DP500 per ton of seed. Continue mixing until all seed is evenly coated.

5. DRY BEFORE PLANTING

Allow treated seed to dry in the shade before bagging or planting.



Store in a cool place (5–25°C). Do not freeze. Protect from direct sunlight.

BENEFITS OF USING PHOSPHOSOL + TRICHOSOL + DP500 TOGETHER



PhosphoSol Benefits

- Solubilises bound phosphorus
- Improves phosphorus availability
- Enhances root growth
- Supports higher yields
- Reduces dependency on P fertilisers



TrichoSol Benefits

- Protects against soil-borne pathogens
- Enhances root health and growth
- Improves nutrient uptake
- Supports beneficial soil microbes
- Increases plant resilience



DP500 Benefits

- Natural sticker and protective coating
- Protects beneficial bacteria on the seed
- Provides nutrients and micronutrients
- Enhances moisture retention
- Improves germination and early vigour
- Helps protect against seedling stress



Stronger protection. Better colonisation. Healthier start. Higher yields.



COMPATIBILITY

- Compatible with most fertilisers and pesticides.
- Avoid mixing with highly alkaline products or products containing chlorine.
- If unsure, conduct a jar test before mixing.



BEST PRACTICES

- Use clean equipment and water.
- Maintain agitation during application.
- For best performance, apply under favourable soil moisture conditions.

PACK CONTENTS

2 × 1 L PHOSPHOSOL

Treats 1 ton of seed or 1 hectare



1 × 1 L TRICHOSOL

Biological fungicide & root protector



1 × 500 g PACKET DP500

NATURAL SEED TREATMENT & DESICCANT PROTECTOR



IDEAL FOR INTEGRATION WITH



BASAL FERTILISERS



IN-FURROW APPLICATION



IRRIGATION SYSTEMS



DRONE APPLICATIONS



SPRAY APPLICATIONS



FOR BEST RESULTS

- Use quality seed
- Follow recommended rates
- Timely application
- Good soil moisture
- Balanced crop nutrition



Simple to apply.
Powerful results.



POWERED BY NATURE.
FUELLED BY SCIENCE.

Unlock the power of beneficial bacteria
for stronger, healthier crops.



SOIL HEALTH
STARTS HERE

PhosphoSol™

PHOSPHATE-SOLUBILISING BIOLOGICAL INOCULANT

CROP BENEFITS YOU CAN SEE



BETTER ROOTS

Promotes extensive root growth for improved access to water and nutrients.



MORE AVAILABLE PHOSPHORUS

Unlocks fixed soil phosphorus and converts it into plant-available forms.



IMPROVED CROP PERFORMANCE

Better nutrition leads to stronger plants, higher yields and better quality.



ENHANCED STRESS TOLERANCE

Stronger root systems and better nutrient uptake help crops handle stress better.



BETTER RETURN ON INVESTMENT

Maximises the value of existing fertiliser investments and increases profitability.

COMPATIBLE WITH



Most seed treatments



Liquid fertilisers



Starter fertilisers



Micronutrient solutions



Humic & fulvic acid products



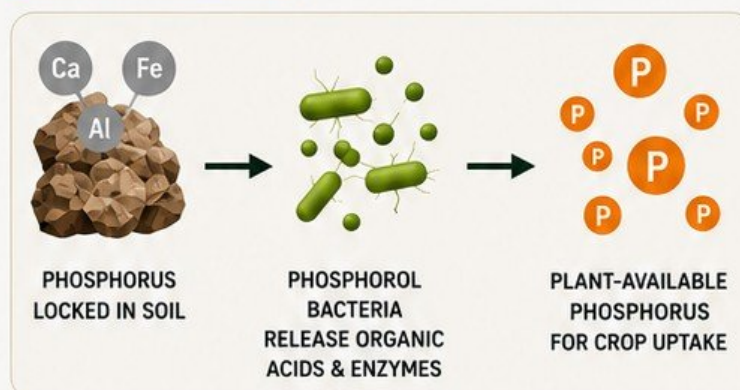
Most pesticides & fungicides*



Other biological inoculants

*Always perform a jar test when mixing new tank mixtures and follow label instructions.

THE PHOSPHORUS CYCLE IN THE SOIL



WIDE RANGE OF CROPS



MAIZE



WHEAT



SOYBEANS



DRY BEANS



SUNFLOWER



CANOLA



SORGHUM



AND MORE

TIPS FOR BEST RESULTS

- ✓ Apply at planting for maximum early season benefit.
- ✓ Ensure good seed-to-soil contact.
- ✓ Maintain soil moisture for optimal bacterial activity.
- ✓ Use as part of an integrated fertility management programme.
- ✓ Store in a cool place away from direct sunlight.
- ✓ Do not freeze.



PhosphoSol unlocks your soil's potential and helps your crop reach its full potential.



BIOLOGICAL SOLUTIONS.
SUSTAINABLE FUTURES.



UNLOCK NUTRIENTS.
FEED YOUR FUTURE.



CONTACT US



PhosphoSol™

PHOSPHATE-SOLUBILISING BIOLOGICAL INOCULANT

For product information, orders,
technical support and partnerships,
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LIVE BENEFICIAL
MICROORGANISMS



SCIENTIFICALLY
DEVELOPED



QUALITY ASSURED
& RELIABLE



SUSTAINABLE
& SAFE



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FUELLED BY SCIENCE.



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for stronger, healthier crops.

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