



BioAg

Solid Fertilisers

For immediate and continuous long-term
nutrient supply for broadacre crops



BioAgPhos[®]
Reactive Phosphate Rock

For immediate & continuous long-term nutrient supply for broadacre crops



Build Soil Phosphorus Reserves with BioAgPhos for Long-Term Crop Performance

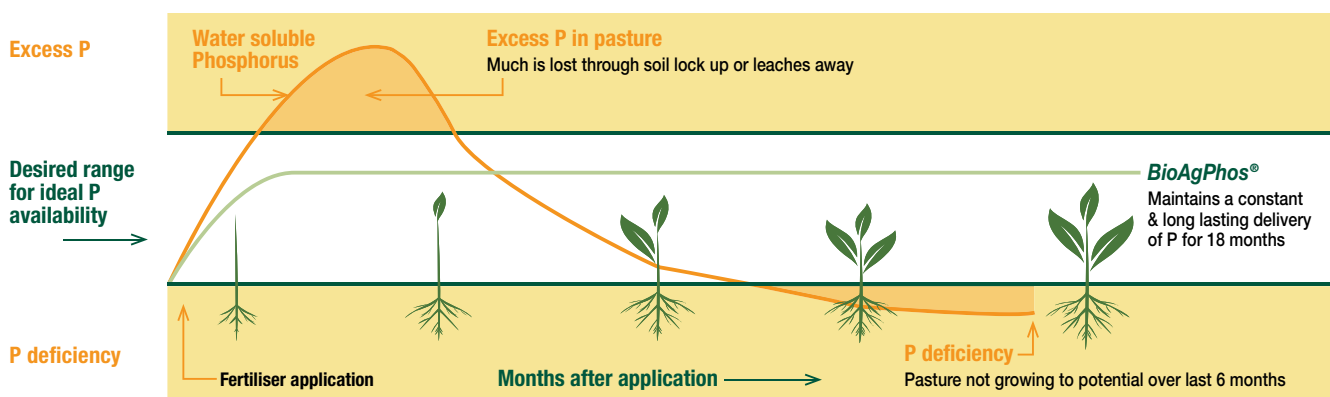
BioAgPhos® is a biologically enhanced Reactive Phosphate Rock (RPR), ideal for broadacre systems seeking to build and maintain capital Phosphorus (P) levels while preserving soil integrity.

Unlike synthetic water-soluble fertilisers (MAP, DAP, SSP), which deliver a short-term P spike followed by rapid fixation, **BioAgPhos** supplies elemental phosphorus (13%) in a slow-release, biologically altered form. Its consistent availability throughout the growing season improves phosphorus-use efficiency in broadacre crops, particularly where root zone access to P is essential during early vegetative and reproductive stages.

With 35% calcium content, **BioAgPhos** also provides a liming effect, helping to balance soil pH and improve soil structure, flocculation, and water infiltration, critical factors in soil amelioration.

P availability – “non-water solubility doesn’t mean non-plant availability”

Phosphorus availability – Water soluble phosphates vs. **BioAgPhos**®



Leverage the Soil-Plant-Microbe System for Superior P Availability

P in soil predominantly exists in organic and fixed inorganic forms, both of which are unavailable without biological intervention.

BioAgPhos supports a functional soil microbiome that produces organic acids and phosphatase enzymes—essential for solubilising P from complex compounds, especially calcium phosphate.

This microbial activity is enhanced by BioAg’s proprietary digester, applied to the RPR surface, which accelerates the mineralisation process and stimulates native phosphate-solubilising bacteria and fungi. Unlike acidulated P fertilisers that can suppress microbial diversity and activity, **BioAgPhos** enhances biological P cycling, particularly in neutral to alkaline soils common in broadacre zones. Importantly, it does not rely on soil pH or rainfall to activate—making it effective under variable conditions.

“ We’ve seen a huge difference in soil health, and therefore improved production since incorporating BioAg. It’s reliable, proven and profitable. ”

– Andrew Hawthorne,
Mixed Farmer, Ardlethan



BioAgPhos® is proven by science and confirmed in the paddock!

Strategic Application for Maximum Efficiency and Sustainability

Broadacre farmers benefit from the flexibility of **BioAgPhos** in large-scale operations. It can be applied any time of year, either pre-plant or post-harvest, and is especially well-suited to application every second year, reducing costs and labour hours without compromising productivity.

Fine particle sizing (96% <500 microns) ensures excellent spreadability with belt spreaders and optimal soil contact, improving plant accessibility across the root zone.

BioAgPhos also integrates easily with other inputs like lime, gypsum, or trace elements in a single-pass custom blend which can be produced by BioAg—saving time, reducing operational costs, and increasing the efficiency of field logistics.

RPR is a naturally occurring sedimentary rock phosphate imported from Algeria and is free from acid treatment, synthetic inputs, and heavy metal contamination. Its non-water-soluble nature prevents runoff into waterways, reducing the risk of eutrophication and preserving on-farm environmental integrity.

With minimal heavy metals and a significantly lower carbon footprint than synthetic alternatives, it also contributes to sustainable nutrient stewardship.

Product Highlights

- You don't need forecast rain to apply.
- Doesn't need to be applied annually. It can be applied every second year.
- Can be applied at any time of the year.
- Reduces reliance on repeated synthetic applications and builds fertility that endures beyond a single crop cycle.
- **BioAgPhos** is the only Australian product using highly reactive phosphate rock on the market.
- Productivity and profitability combined with improved soil performance.

Application Rates

The principals of a balanced soil are paramount, the goal is getting the chemistry, structure and biology in balance to make sure the crop or pasture realises its full potential. General application rates are between 200–500kg/ha.

The individual paddock requirements are considered, including history and soil type, along with soil test results.

A farmer's yield, quality goals, and budget are also required to make a sound recommendation.

BioAg can tailor programs that are suitable for both conventional and organic farming systems and may include products from the BioAg range of biostimulants.



Imported from Algeria, this natural sedimentary rock has been specifically selected for its reactivity.

BioAgPhos® is the only highly reactive rock phosphate available in Australia.



Customised Blends

BioAg offers customised blends with **BioAgPhos** as a base component that can have other nutrients and/or trace elements added.

BioAgPhos can be applied on farm with other ameliorates in one pass (lime, gypsum, compost).



Visit our website or contact your local Area Manager for more information.



BioAg Pty Ltd is an Australian owned and operated manufacturer of liquid biostimulants and importer of Reactive Phosphate Rock fertilisers. The company has been in business for over 25 years with the head office and modern liquid production facility in Narrandera and a solid fertiliser site in Geelong. BioAg products are scientifically proven to provide yield responses in conventional and all other farming systems. A dedicated team of Area Managers / Agronomists provide full field technical support to farmers and the reseller network.

Your local BioAg Area Managers are always available to discuss how BioAg's products and programs can improve your farming system or put you in contact with our distributor network.

The BioAg Range of Solid Fertilisers

Certified for use in
organic systems

BioAgPhos[#]

Highly reactive phosphate fertiliser made from high-grade reactive phosphate rock combined with BioAg's microbial digesting agent.

S10 BioAgPhos[#]

Incorporates elemental sulphur in the form of sulphur bentonite for a steady and longer S supply. Ideal for higher rainfall and higher leaching environments.

MagPhos[#]

Incorporates dolomite in **BioAgPhos**. Ideal for soils that need phosphorus, sulphur, calcium, and magnesium, such as pastures and grazing systems where there is a risk of grass tetany.

BioAg Superb[#]

Incorporates calcium sulphate in the form of gypsum into **BioAgPhos**. Ideal for soils that need phosphorus, sulphur, and calcium, such as pastures and grazing, and for crops requiring extra sulphur, such as canola.

Pasture Primo[#]

Provides a rich source of calcium and phosphorus through a blend of **BioAgPhos** and lime.

BioAgSoP[#]

Organically certified granular form of fertiliser containing potassium and sulphur. Immediately available to crops and plants. Ideal for crops with a high potassium demand and sensitive to chloride.

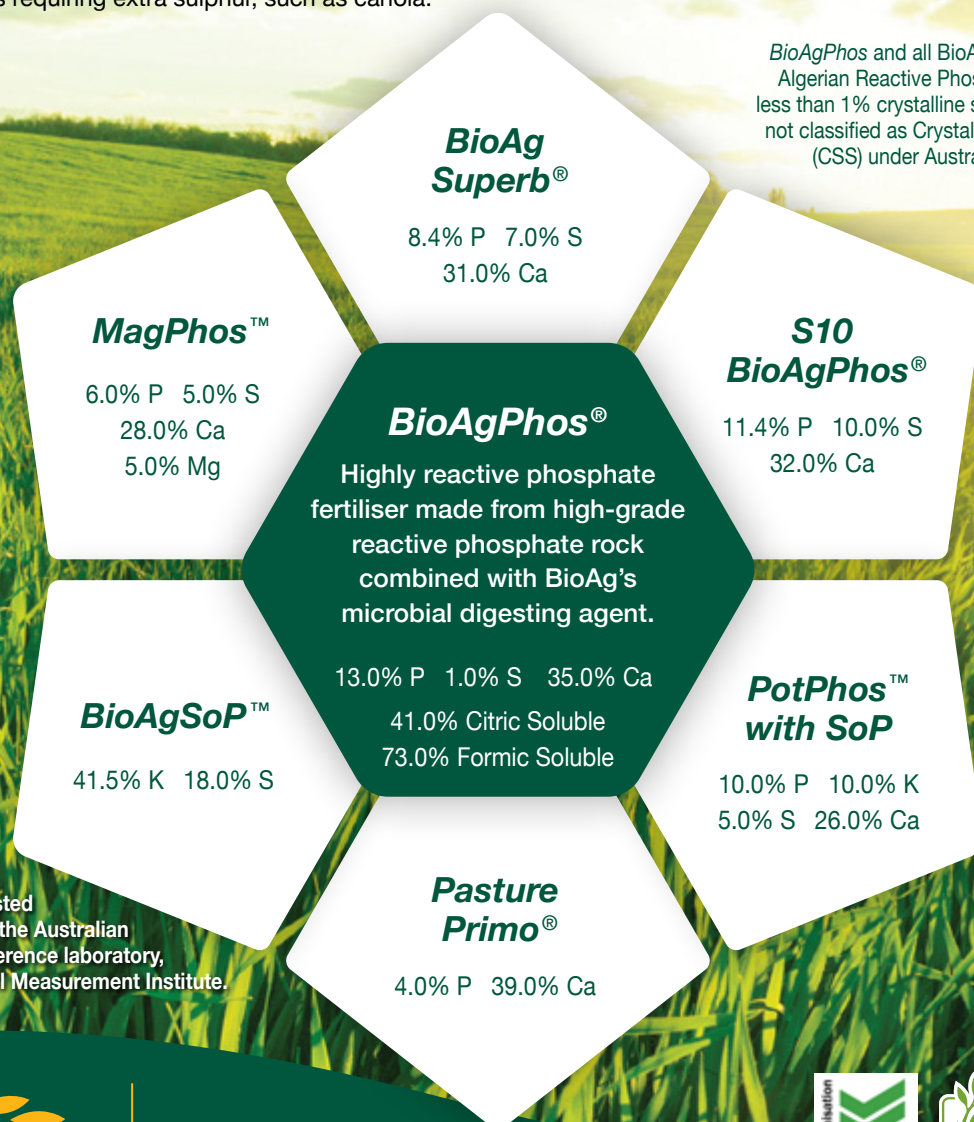
PotPhos with SoP[#]

Incorporates **BioAgSoP** and **BioAgPhos** in a blend ideal for soils that need phosphorus, sulphur, and calcium, such as hay and and grazing pasture.

BioAgBor[#]

An immediate and sustained release form of boron suited to a range of enterprises such as horticulture, vegetables, pastures and field crops.

BioAgPhos and all BioAg products based on Algerian Reactive Phosphate Rock contain less than 1% crystalline silica, and therefore are not classified as Crystalline Silica Substances (CSS) under Australian regulations.



Phosphorus bio-availability tested independently by the Australian Government's reference laboratory, NMI – the National Measurement Institute.



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Better soils. Better crops. Better stock.

BioAg is Australian-owned and operated and has been manufacturing liquid biostimulants and natural phosphate fertilisers since 1999.