

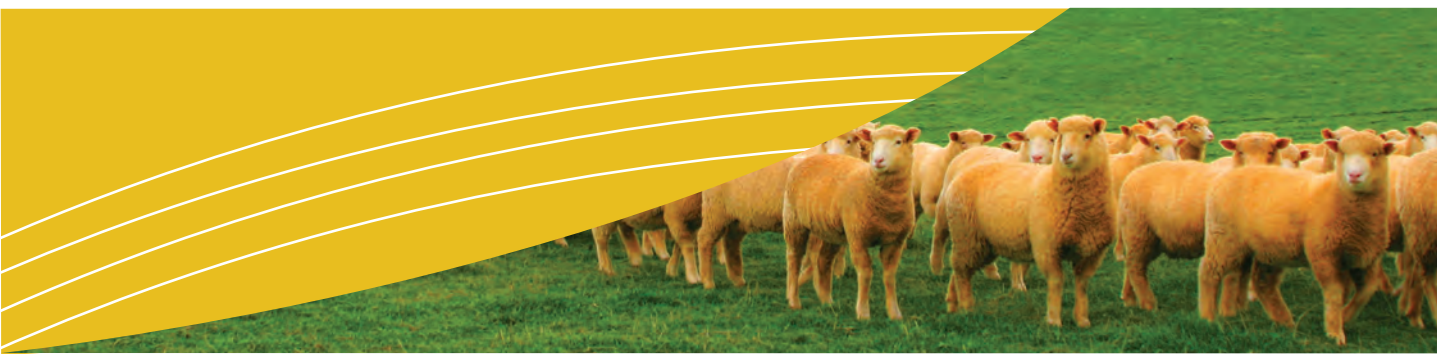


BioAg Superb™ BAP
Biologically Activated Phosphate

PHOSPHATE FERTILISER
THAT WORKS NOW
AND KEEPS WORKING



Fertiliser that won't lock up and works...for years.



www.bioag.com.au
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Better soils. Better crops. Better stock

Since its founding in 1999, BioAg has become the Australian and New Zealand market leader in agricultural microbial fermentation technology. We manufacture biologically-active solid and liquid nutrients for all farm systems producing living, healthy and balanced soils.

Superb™ BAP - biologically activated phosphate

BioAg's solid products range is based on BAP, a highly reactive phosphate rock which has been inoculated with a microbial stimulant in the manufacturing process that results in the phosphorus being less reliant on rainfall to become plant available. Unlike conventional phosphorus fertilisers, BAP is not water soluble and therefore does not become "locked up" in the soils. This allows for an immediate and sustained release of phosphorous and calcium over a period of 24 months or more. 98% of the phosphorus is bioavailable as tested by the Australian Commonwealth government reference laboratory the National Measurement Institute (NMI). This test shows the total amount of phosphorus that is available to plants.

BAP is suited to all grazing, cropping and horticulture enterprises and provides a cost effective and agronomically sound phosphate source. It is principally used as a source of capital phosphate in cropping systems and a complete phosphate supply for grazing systems and permanent plantings like trees and vines.

BAP contains a minimum phosphorus content of 13%, of which greater than one third is immediately available (i.e. 37% citrate-soluble and 64% formic solubility) for plant use. The remainder is slowly digested by the micro-organisms and added to the nutrient reservoir in the soil.

BioAg provides complete soil, crop and pasture fertility programmes based on thorough soil sampling, visual soil assessments and crop, pasture or stock indicators and farmer objectives.

BioAg focuses on biologically functional soils to enhance animal, crop or pasture production whilst contributing to nutrient efficiency, farm profitability and environmental performance.

Product Features

- > Stable form of phosphorus that won't lock up in the soil and continues to work for years after application
- > Low cost per unit of P
- > Low levels of heavy metals relative other phosphate fertilisers
- > Added benefit of plant available calcium
- > Year round availability to plants
- > Fine granular particles compatible with lime, gypsum and other soil conditioners

Advantages to the farmer

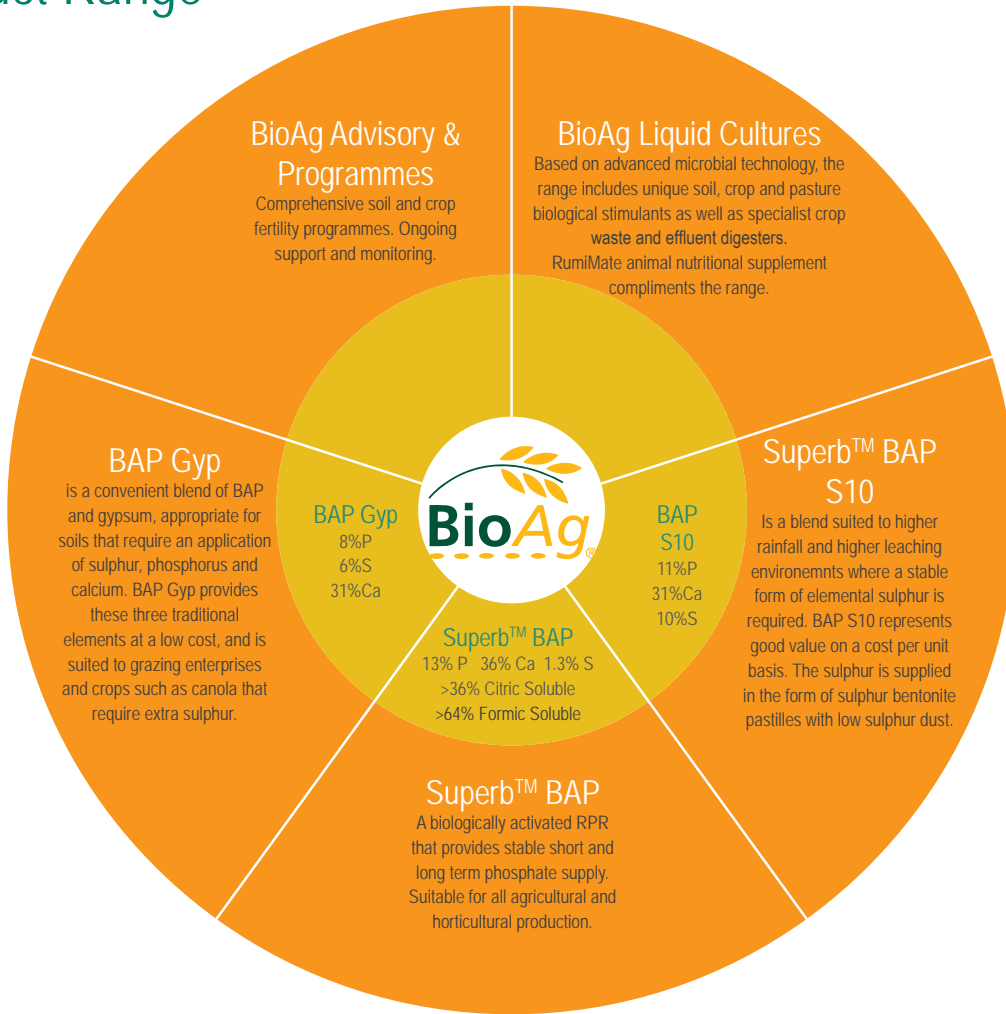
- > Reduced reliance on water soluble forms of phosphate fertiliser
- > Reduced long term fertiliser costs
- > Improved crop and pasture growth from year round availability of phosphorus
- > Increases beneficial microbial activity in soils to unlock previously applied minerals
- > Allows for a stronger healthier plant and root system.
- > Increased surface area allowing for a more consistent release of P into the soil.

Spreading Consideration

BAP is applied as a dry fine particle application; therefore to keep spreading costs down, it is recommended to combine with soil amendments such as lime, dolomite, gypsum, compost, manures and trace elements and applied together with a belt spreader.

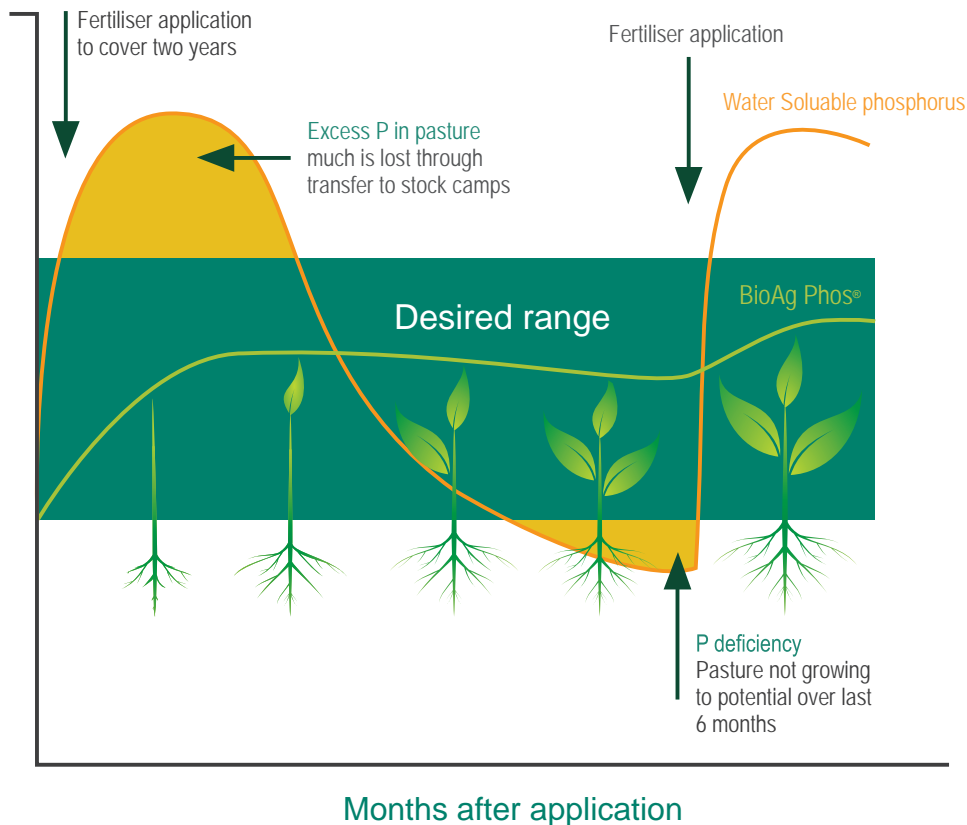
BAP can also be spread by air provided the product is kept dry prior to spreading.

Product Range

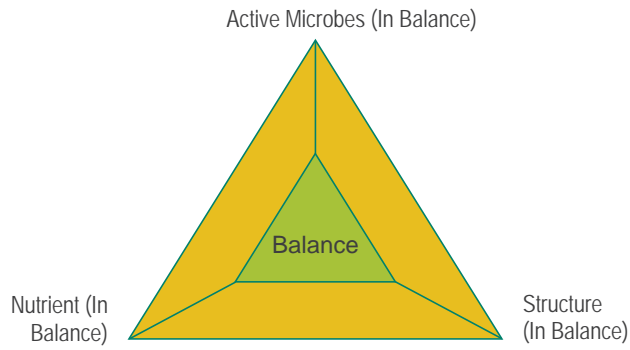


Phosphorus Availability

Water Soluble phosphates vs. BAP



Nutritional Balance in the Soil



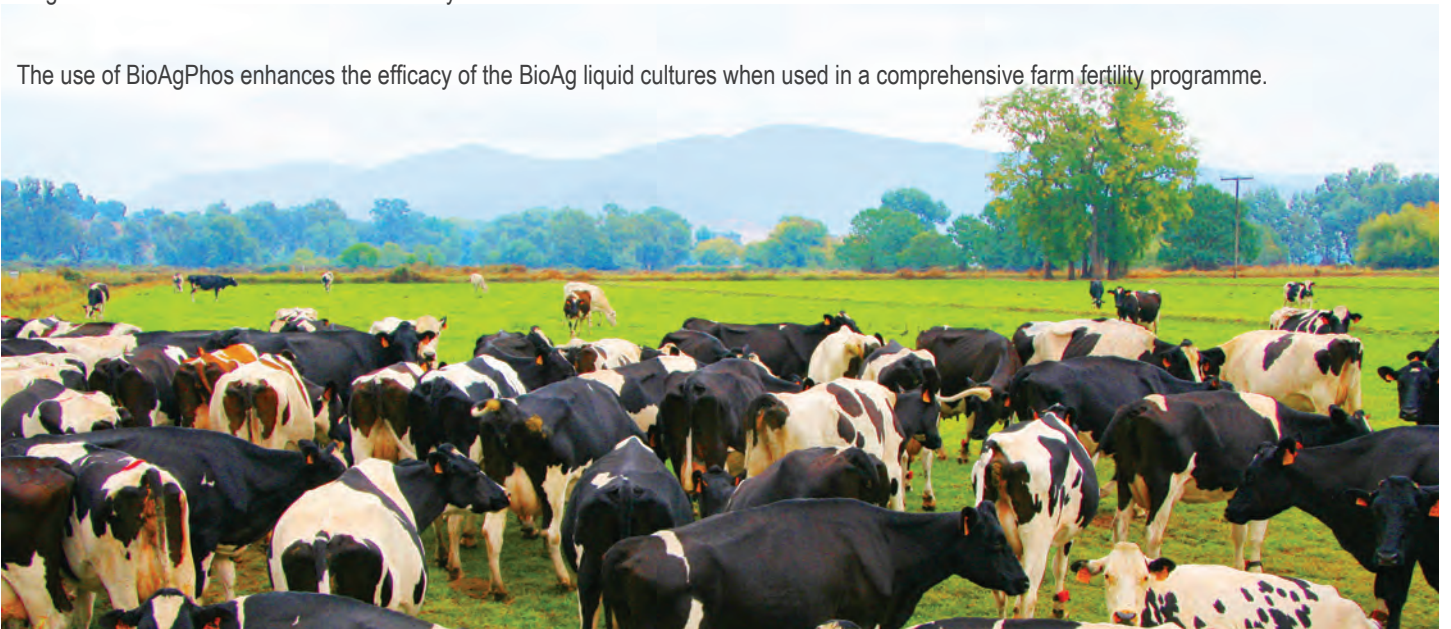
Microbial Technology

The real strength behind the Superb BAP range of products is the pre-digestion of the phosphate rock by BioAg's proprietary fermented culture which stimulates phosphate solubilising bacteria. While greater than one third of the phosphorous content of BAP is immediately available to plants, microorganisms digest the remainder of the phosphorous content over a long and sustained period, continually adding to the nutrient reservoir of the soil.

The application of Superb BAP to soil stimulates an integrated effect through the actions of phosphate solubilising bacteria, fungi and mycorrhiza to increase available phosphate and calcium in the soil as well as promoting an active and diverse soil microbe population.

The improved microbial activity in the soil after application also helps unlock previously applied phosphate, calcium and other nutrients, leading to long-term benefits in soil structure and fertility.

The use of BioAgPhos enhances the efficacy of the BioAg liquid cultures when used in a comprehensive farm fertility programme.



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