



BioBoost NP

Contains live bacteria and spores:

Azospirillum brasilense; Azobacter chroococcum &

Bacillus amyloliquefaciens 1×10^9 CFU/mL (equiv. 1×10^{12} CFU/L)



Naturally occurring bacteria that can deliver free Nitrogen to your plants and unlock the Phosphorus naturally occurring in soil!

BioBoost NP contains three strains of plant growth promoting organisms capable of capturing atmospheric nitrogen and unlocking bound phosphorus in your soil.

Azospirillum brasilense and *Azotobacter chroococcum* are both free living bacteria that can harvest nitrogen from the atmosphere and deposit it into the soil as ammonium nitrogen – giving your plants a free Nitrogen source. *Bacillus amyloliquefaciens* can solubilise (unlock) inorganic phosphorus already in your soil, making it plant-available.

Benefits:

- ✓ NASAA Certified Organic Input
- ✓ The best biological product for Reef Protection
- ✓ Access FREE atmospheric nitrogen
- ✓ Release Phosphate and increase uptake by plants
- ✓ Produce healthier, stronger plants and more vigorous root systems
- ✓ Improves plant tolerance to biotic and abiotic stresses



Available in 20L drums and 1000L IBCs

NO withholding period

Application Rate

Foliar Spray	8-10L /ha For best results apply with sticker
Fetigation	15L /ha
Drench	5% of tank volume

Application: Apply to soil surface to provide an inoculating dose of beneficial bacteria to the soil profile. Ensure full and even coverage of soil surface. Bacteria will not survive in UV sunlight and must be watered or cultivated in to move bacteria away from soil surface. Target applications to plant rhizosphere. Preferred soil temperature 12 - 35°C.

Irrigation: Avoid flood irrigation for several days after application, to avoid washing bacteria from the soil profile.

Timing: First application at or prior to transplanting or following up a weather event to re-establish microbe populations. In ideal conditions, these organisms can survive in the soil profile for up to 2 years.

Supplemental food: Soils with an organic matter content less than 2.5% may require the addition of a food supplement for best results. The bacteria in BioBoost NP prefer a nutrition source with sugars and heavy doses of trace elements. We recommend molasses + humate, humic acids or fulvic acids, applied at 3%.

Colonisation: Colonisation is quite rapid and can occur in as little as several hours under suitable conditions, although it is generally completed in 2 - 3 days.

Directions for use: Ensure compliance with your quality assurance code of practice regarding the use of microbial products before use. It is recommended to keep an accurate record of each spray application.

General Information: This is a biological product. Colour, smell and consistency may vary between batches.

Mixing: Prior to opening, shake or agitate the container vigorously. Add the required quantity of BioBoost NP to water in the tank while stirring or with agitators in motion. Maintain agitation until spraying is complete.

Cleaning Up: Equipment should be thoroughly cleaned by rinsing with water several times. Sanitise tank before and after use. Sanitisers can harm biological products. Please follow sanitiser instructions carefully.

Compatibility: BioBoost NP has been tested for compatibility with various other conventional products including fungicides, insecticides, herbicides and fertilisers. However, as formulations of other manufacturers' products are beyond the control of Novum Lifesciences, all mixtures should be tested prior to mixing commercial quantities. Changes in climatic conditions can alter the sensitivity of plants to mixtures of sprays and Novum Lifesciences cannot be responsible for the behaviour of such mixtures.

Storage and Handling: Read safety directions and SDS before use. While handling and applying microbial products personal protective equipment should be worn. Store the original container in a cool, dry place away from direct sunlight and below 30°C. Use as soon as possible after opening but if this cannot be achieved then close immediately after use and use within 3 months. Contamination of contents may occur at any time after opening and Novum Lifesciences takes no responsibility for opened product not used immediately.

Shelf Life: The unopened shelf life of this product is 30 months from Date of Manufacture. Please refer to product Certificate of Analysis for batch details. The shelf-life period relates to the time that the product remains above the guaranteed concentration of 1×10^9 CFU/mL. If the product is outside the shelf life, the product may still have viable live organisms and spores (and metabolites), but will no longer be guaranteed to be at the original concentration.

Terms and Conditions of Sale:

Information provided by Novum Lifesciences & its distributors are general in nature and the terms and conditions of sale apply to all information and products it supplies. A link to the terms and conditions of sale can be found on www.novumlifesciences.com.au