



RhizoPhos

Contains live phosphorus solubilising bacteria & spores:

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



Naturally occurring bacteria that promotes plant growth and unlocks insoluble phosphates

RhizoPhos contains the beneficial organism *Bacillus amyloliquefaciens* that is capable of solubilising (unlocking) naturally available phosphorus. Certain agricultural practices such as applying lime to increase soil alkalinity can result in P reacting with calcium and magnesium to form insoluble phosphates. Adding RhizoPhos to your soil is giving your plants a free Phosphorus source!

Benefits:

- ✓ NASAA Certified Organic Input
- ✓ Produces healthier plants and more vigorous root systems
- ✓ Increase yields and quality
- ✓ Solubilisation of Phosphorus for natural release
- ✓ Aids plants to become are more tolerant to biotic and abiotic stresses
- ✓ Rebuilds soil microflora



Available in 20L drums and 1000L IBCs

NO withholding period



Application Rate

Soil Spray	15L /ha
-------------------	---------

For best results apply with wetter

Fertigation	15L /ha
--------------------	---------

Drench	100ml /L
---------------	----------

Application: To be applied 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. Best soil temperature for survival is 15 - 40 °C.

Irrigation: For several days after application, care should be taken to not wash bacteria from the soil profile (avoid flood irrigation).

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

Food supplement: Soils with an organic matter content less than 2.5% may require the addition of a food supplement for best results. The bacteria in RhizoPhos prefer a nutrition source with sugars and trace elements. We recommend molasses plus humate, humic acids or fulvic acids.

Colonisation: colonisation is quite rapid and can occur in as little as several hours under suitable conditions, though is generally competed 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 that accurate written record of the details of each spray application is kept.

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, then add the required quantity of RhizoPhos 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.

Compatibility: RhizoPhos 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