

Microbe Plus® PhosCal

A Microbial digested blend of Phosphorus and Calcium



Introduction

Microbe Plus® PhosCal

Microbe Plus® PhosCal has been created via a unique process that blends and digests phosphorus acid and calcium carbonates together with selected trace elements creating an excellent nutrient supplement. Utilizing a unique digestive process Microbe Plus® PhosCal is biologically active. It will help rectify deficiencies quickly and effectively.

The correct balance of phosphorus and calcium is required for plants to produce the sugars required for normal growth. Plant deficiencies in phosphorus and calcium can predispose a plant to fungal and bacterial infection.

Correct levels of plant available phosphorus and calcium are required for normal root growth, nutrient uptake and photosynthesis. When these nutrients are lacking, root growth will be delayed and stunted. Nutrient uptake and plant photosynthesis will also be hindered. These nutrients are essential for plant health and cell wall integrity.

Generally phosphorus acid is not a plant available form of Phosphorus but due to our unique microbial digestive process and form of Calcium used – it will convert into available phosphorus for the plant.

Phosphorus is an essential element for flower and fruit formation. Phosphorus is easily locked up in the soil. Microbe Plus® PhosCal via foliar spray or soil drench is an efficient method of application during high demand times such as seeding and fruit development.

Calcium regulates the transport of other plant nutrients and is also involved in the activation of certain plant enzymes. It is also essential for plant cell division and is a catalyst for amino acid production. It is a critical element for biological processes in the plant.

All the nutrients in Microbe-Plus® PhosCal have been microbially digested using GrowGreens proprietary blend of beneficial soil microbes. This process emulates the natural process found in nature, and converts the nutrients into 100% plant available form.

Details

Active Ingredients

Phosphorous acid, calcium carbonate, magnesium with beneficial soil microbes and bacteria.

Compatibility & Use

Microbe Plus® PhosCal can be mixed and applied with most commonly used pesticides and fungicides however we strongly recommend checking labels for compatibility as well as pre testing in a small area prior to widespread application.

Optimising results

For optimum results use with GrowGreen's Profert®, Microbe Plus® NPK Pasture or Microbe Plus® Horticulture mix along with Xtend® plant oil adjuvant. Xtend® will maximise the result by reducing drift and increasing adherence to the sprayed surface.

Application Details

Microbe Plus® PhosCal is suitable for use in a wide range of market sectors – some are listed here:

Pasture / Dairy / Sugar / Broad acre / Horticulture
Viticulture / Turf / Golf Courses/ Bowling Greens Race
Courses

Crop	App. Rates/Ha	No. of Applications
Horticultural crops	3 – 4L	3-4 fertigations; pre flowering, post flowering & fruit enlargement stage
Broad acre Winter crops	2 – 3L	1-2 foliar applications (booting – grain filling stage)
Broad acre Summer crops	3 – 4L	2-3 foliar applications; post flowering and grain filling stage
Annual and perennial pasture	3 – 4L	3-4 foliar applications post grazing

To be diluted in a minimum of 100L of water p/Ha

**We recommend foliar Spray to the point of run off
Pending soil and leaf analysis, application rates may vary.
The above should be used as a guide only.*

Avoid spraying in high temperature and high UV Conditions

Microbe Plus® PhosCal Shelf Life

Microbe Plus® PhosCal should be stored at ambient temperature conditions. It is recommended to be stored out of direct sunlight, but within a well lit area so that the microbial digestion process within the product continues.

Sedimentation will rise after prolonged storage. As such we recommend use within 12 months of the date of manufacture.

Packaging

Microbe Plus® PhosCal is available in the following containers: 20L and 1000L

Analysis (W/V)

Nutrient	Form	Analysis
Phosphorus (P)	as water soluble	7.00%
Calcium (Ca)	as carbonate	4.00%
Magnesium (Mg)	as sulphate	0.10%
Copper (Co)	as sulphate	0.025%

For information about specific application rates, or use with specific crops please contact us on the number below.

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OR 1800 355 913
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www.growgreenfertiliser.com

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(Excluding statutory warranties)*