

NUTURF®
SPECIALISTS PROVIDING SOLUTIONS

FOR MORE INFORMATION ON FoliMAX, CONTACT YOUR LOCAL TERRITORY MANAGER OR CALL 1800 631 008.

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Liquid nutrition at its best

FoliMAX Phosphite+

Liquid nutrition at its best



FoliMAX Phosphite + 0-22-42 w/v

FoliMAX Phosphite + is a highly concentrated Phosphorus, Potassium liquid fertiliser, containing mono-and di-potassium salts of phosphorus acid (Potassium Phosphite). This product offers a clear solution that is highly water soluble and rapidly plant available via either the foliage or roots. FoliMAX Phosphite + can quickly correct K deficiencies, whilst also providing improved plant vigour, health and growth. The addition of Vitamin B1 provides an additional source for root development.

The FoliMAX Phosphite + Guaranteed Minimum Analysis:

Phosphorus - 22.25% as Potassium Phosphite

Potassium - 42.5% as Potassium Phosphite

Vitamin B1 - 1.125g/L

The FoliMAX Phosphite + Product Characteristics:

pH: 5.0 – 6.0

Specific Gravity: 1.3

Appearance: Opaque- Clear liquid.

Solubility: Soluble

Key benefits of FoliMAX Phosphite +

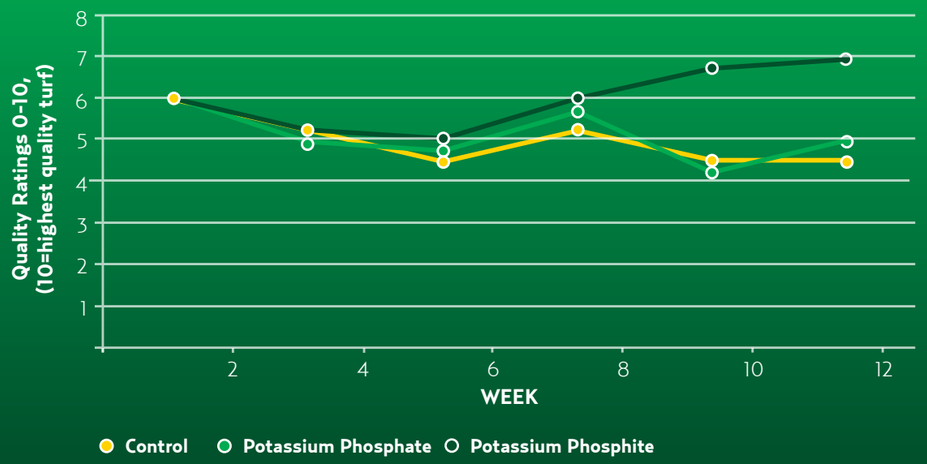
- Readily plant available form of Potassium for overcoming nutrient deficiencies.
- Sustained release form of Phosphorus over a period of several weeks.
- Ideal for use as a germination enhancer during the establishment phase.
- Ideal for use following renovation activities to enhance recovery and plant health.
- Improves plant vigour, health & growth.
- Activates the plants own immune defence response to plant pathogens.
- Contains Vitamin B1 for improved root development.
- Flexibility in rates to accommodate differing nutritional and plant health response requirements.
- Manufactured in Australia.

Potassium Phosphites and their role in the plant

Potassium phosphite is absorbed by plants and incorporated into cells as phosphite ions. The fact that this ion has one less oxygen atom than phosphate means that it does not act in the same manner as phosphate in plants.

Although the phosphite ion can be transported into plant cells, it does not appear to be involved in any phase of phosphorus metabolism. Over time, phosphites can be converted by bacteria to phosphate in soil, where it can be taken up and metabolized by plants.

Potassium phosphites have also been proven to assist in improving plant health, particularly during stressful growing conditions and particularly in turf. In particular, phosphites have been shown to activate the plant's own immune defence responses to suppress growth of certain plant pathogens.



Comparison of Potassium and Phoshorous Fertiliser applications

Surface quality of a Creeping Bentgrass / Poa annua putting green treated with potassium phosphate, potassium phosphite, and an untreated control was measured. Differences in turf quality became apparent in week 10 of the study, when high temperatures and humidity caused a decline in the untreated and potassium phosphate plots, while potassium phosphite plots showed improved quality.



Vitamin B1

Vitamin B1 is produced in the foliage of plants and transported down to the root system where it has an effect on root growth and development. Vitamin B1 can assist at any time in a plant's life with root regeneration where the root system has been damaged or stressed through high salinity, pathogen activity or nutrient deficiencies and toxicities. Use of Vitamin B1 is seen as a 'back up' or 'insurance policy' as it is difficult to determine if a plant which has come under stress is capable of producing sufficient Vitamin B1 to send down to the root system to assist in cell development.

MIXING PROCEDURE AND COMPATBILITY WITH FoliMAX Phosphite +

Fill spray vessel with half the required volume of water. Shake container of Phosphite + and add required amount to spray tank while agitating. Add remaining water to the spray tank. Continue agitating during application. Wash out spray tank, including nozzles, immediately after use. Phosphite + has a mildly acidic pH and as a result mixing with some chemicals maybe problematic (eg. Sulfonyl Urea Herbicides). It is recommended that a jar test be undertaken to ensure physical compatibility of most tank mixes.

FLEXIBILITY IN APPLICATION RATES WITH FoliMAX Phosphite +

FoliMAX Phosphite + can be used as a foliar and / or soil drench. For foliar applications apply in a minimum volume of 800L of water per hectare. For soil targeted applications, irrigate following application with 3-6mm of irrigation or apply via a high volume nozzle (eg. fish-mouth) in a high water volume. Avoid mowing for 24 hours following an application.

Situation	Rate	Comments
Foliar application	6 – 12 L/ha	Apply in a minimum of 800L of water per hectare. Repeat every 14-30 days during the active growing season.
Soil application	6 – 15 L/ha	Apply in a minimum of 800L of water per hectare and irrigate following application with 3-6mm of irrigation. Repeat every 14-30 days during the active growing season.
Landscape / ornamental plants	170 – 295mL / 100L of water	Repeat the application every 30 days or as required.



OTHER KEY PRODUCTS IN THE FoliMAX RANGE

FoliMAX N-hancer-N 35-0-0

A clear liquid fertiliser solution containing 70% controlled release nitrogen as SRN-IQ Technology, specifically developed for use in turf and landscape situations.

FoliMAX NRG-NK 19-0-13+Fe

A nitrogen and potassium fertiliser solution containing nitrogen in the unique form of SRN-IQ, and the chloride free potassium source, potassium citrate/carbonate complex. The blend also contains iron for improved green-up and turf vigour.