

Microbe Plus® Citrus

LIQUID NUTRIENT FERTILISER

Microbially active foliar fertiliser



INTRODUCTION

GrowGreen's range of Microbe Plus® products are a true fusion of biological and conventional NPK fertilisers. They have a comprehensive suite of bacteria and fungi providing beneficial microbes.

Microbe Plus® Citrus is a foliar fertiliser that has been specifically designed for application to citrus trees but can be equally effective with a wide range of horticulture crops.

In the citrus industry foliar fertiliser can improve yields through direct application of nutrients to where they will deliver the fastest response. The efficiency of foliar application can be greatly improved by integrating with microbial cultures, and microbial metabolites.

Microbial metabolites are important constituents of Microbe Plus® Citrus. They are major building blocks of plant cells and bio-stimulants which have positive effects on growth, yield and quality, while mitigating potential damage from exogenous stress factors such as heat, frost, salinity and chemicals.

Potassium (K) is one of the most important nutrients in citrus crops. It is needed for enzyme activation, photosynthesis, transportation of photosynthates, and many more physiological functions

In the commercial Citrus industry, soil K uptake has limitations typically due to cation imbalances in the soil. Foliar K absorption is far more efficient, helping to deliver better yields.

Calcium is a constituent of the cell walls in the form of Calcium pectate.

Calcium "root" uptake is often hindered by poor cation exchange and poor Calcium:Magnesium ratios in the soil. This ratio is important to maintain soil structure.

Foliar application of Calcium is a widely accepted practice. Microbe Plus® Citrus contains calcium in a form that is more effective when absorbed through the leaf surface allowing calcium to be more readily available to the tree.



Citrus Mn deficiency symptoms



Citrus Zn deficiency symptoms

Microbe Plus® Citrus

BENEFITS OF MICROBE PLUS® CITRUS IN FOLIAR APPLICATIONS

- Microbe Plus® Citrus delivers a complete blend of macro and micro nutrients.
- Absorption of nutrients is enhanced by improved penetration of ions through the leaf cuticle layer.
- Improves resistance of the plant to various exogenous stress factors.
- Improves fruit quality, fruit size, colour and shape.
- Rapidly corrects macro and micronutrient deficiencies.

OPTIMISING RESULTS

Use with GrowGreen's Xtend® plant oil adjuvant for optimum results. Xtend® will maximise the result by reducing drift and increasing adherence to the sprayed surface.

SHELF LIFE & STORAGE

- 12 months from the manufacturing date.
- Microbe Plus® Citrus should be stored at ambient temperature.
- Should be stored in a well lit area so the microbial process continues.

COMPATIBILITY & USE

Microbe Plus® Citrus can be mixed and applied with most commonly used pesticides.

We strongly recommend checking labels for compatibility as well as pre testing in a small area prior to widespread application.

ANALYSIS (W/V)

Nutrient	Form	Analysis (W/V)
Nitrogen (N)	as nitrate	7.00%
Phosphorus (P)	as water soluble	0.10%
Potassium (K)	as nitrate	3.75%
	as phosphate	0.10%
	as molasses	0.15%
	TOTAL	4.00%
Calcium (Ca)	as nitrate	4.60%
Magnesium (Mg)	as nitrate	1.10%
Zinc (Zn)	as nitrate	1.80%
Manganese (Mn)	as nitrate	0.60%
Iron (Fe)	as sulphate	0.02%
Boron (B)	as sodium borate	0.042%
Molybdenum (Mo)	as sodium molybdate	0.015%
Cobalt (Co)	as sulphate	0.007%

APPLICATION RATES

Microbe Plus® Citrus is suitable for use in horticultural crops as a foliar application during the critical growing period, particularly: Citrus, Almond, Walnut, Grapes, Apple, Tomato, Potato, Mango, Banana, Kiwi Fruit and many other vegetables.

Crop	App. Rate/ha	No. of applications
Horticultural crops	4 - 5ltrs	3-4 foliar applications; post flowering & fruit enlargement stage
Broad acre winter crops	2 - 3ltrs	2 foliar applications (mid tillering & booting - grain filling stage)
Broad acre summer crops	4 - 5ltrs	2-3 foliar applications; pre flowering, post flowering & grain filling stage
Annual & perennial pasture	3 - 4ltrs	3-4 foliar applications post grazing

To be diluted in a minimum of 100L of water/ha

- We recommend to foliar spray to point of run off. Application rates may vary depending on soil and leaf analysis. The above should be used as a guide only.

Avoid spraying in high temperatures and high UV.

GrowGreen Pty Ltd

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GrowGreen Pty Ltd makes no express or implied warranty regarding the storage, handling, use or results obtained from using this product (excluding statutory warranties).

For information about specific application rates, please contact our technical staff.

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