

# Microbe Plus® Kelp

## LIQUID NUTRIENT FERTILISER

A microbial digested blend of high grade seaweed extracts and powders



## INTRODUCTION

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Microbe Plus® Kelp has been created via a unique process that blends and digests high grade soluble kelp powders with beneficial microbes, fungi and bacteria. This process has created an excellent, high nutrient rich fertiliser.

Utilising our unique digestive process, Microbe Plus® Kelp is biologically active. Kelp extracts contain high concentrations of plant hormones (eg cytokinins, gibberellins). These have been shown to significantly increase biological activities in soils and to stimulate growth of vegetables, fruits and other crops.

GrowGreen's unique process of formulation has allowed us to create a highly available soil and plant efficient fertiliser.

Kelp is also known to break down cellulose and other materials in the soil, thus increasing the formation of hummus and improving soil structure. Microbe Plus® Kelp will also help protect against soil borne pathogens.

Microbe Plus® Kelp can be used as both a soil drench and foliar spray. It is an excellent soil conditioning agent which can help with root development and is known to create greater plant resistance to stress and frost.

Seaweed itself contains many organic compounds and as such it's an excellent natural fertiliser. Kelp also incorporates alginic acid which can also help boost water retention. It is also known that kelp aids seed germination.

Microbe Plus® Kelp is non harmful to the environment. Being a natural product it poses no threat to worms, bees and insects. It will aid the plants uptake of nutrients and can improve both growth and flowering in crops. The carbohydrates help feed the soil microbes.

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

# Microbe Plus® Kelp

## ACTIVE INGREDIENTS

A blend of soluble kelps, calcium, vitamins, molasses, microbes and fungal promoters.

## OPTIMISING RESULTS

For optimum results use with GrowGreen's Xtend® plant oil adjuvant when foliar spraying. 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® Kelp should be stored at ambient temperature.
- Should be stored in a well lit area so the microbial process continues.
- Sedimentation will rise after prolonged storage.

## COMPATIBILITY & USE

Microbe Plus® Kelp 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.

## RAIN FAST

When used in conjunction with Xtend® plant oil adjuvant, Microbe Plus® Kelp Foliar Spray is rain fast in 15 minutes.

## PACKAGING

Microbe Plus® Kelp is available in the following containers:

- 20L and 1000L

## ANALYSIS (W/V)

Nutrient	Form	Analysis (W/V)
Nitrogen (N)	as nitrate	0.20%
Phosphorus (P)	as water soluble	0.10%
Potassium (K)	as molasses	0.30%
	as soluble potash	0.10%
	TOTAL	0.40%
Calcium (Ca)	as nitrate	0.40%

## APPLICATION RATES

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

Horticulture, Pasture, Broad Acre, Viticulture, Turf.

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