

# Microbe Plus® Kelp Premium

**LIQUID NUTRIENT FERTILISER**  
A microbial digested blend of Kelp



## INTRODUCTION

**Microbe Plus® Kelp Premium** is an organically certified liquid fertiliser that has been created via a unique process that digests different seaweed species with beneficial microbes. This process has created a powerful product that incorporates non-disturbed natural extracts of seaweeds with plant nutrients.

The product can be applied both in soil and leaf, which guarantees flexibility in terms of time, type, and number of treatments.

### SEAWEED IN AGRICULTURE

The sea provides seaweed species with a totally balanced nutrition. Scientific literature has shown that the proportions of trace minerals and other elements in sea water is optimum for the growth of plants, not only for the sea plants but also for land species.

A common feature to all seaweeds is the fact that they contain biostimulants mainly as hormones and plant beneficial carbohydrates. Plant hormones are predominantly framed within "The big five", auxins, gibberellins, cytokinins, abscisic acid and ethylene. With these hormones, plants can trigger all different plant mechanisms to better deal with the metabolism, stress situation, resistance against a pathogenic attack, etc.

But also, seaweeds contain plant beneficial carbohydrates with remarkable importance on plant growth increase and development. For instance, alginates enhance the assimilation of nitrogen or the concentration of fatty acids. However other carbohydrates can stimulate the formation of chlorophyll, or increase the plant natural defence against viral, bacterial, and fungal attack.

Seaweed composition varies among species. That is why Microbe Plus® Kelp Premium contains two different seaweeds. The combination of these factors guarantees a superior fertiliser that contains all plant stimulants explained above.

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## BENEFITS OF MICROBE PLUS® KELP PREMIUM

Microbe Plus® Kelp Premium can be used both, as a soil drench or as foliar spray. It is an excellent soil conditioning agent which increases root development while conferring greater plant resistance to stress and frost.

## OPTIMISING RESULTS

For optimum results use Microbe Plus® Kelp Premium with GrowGreen's Xtend® plant oil adjuvant. Xtend® will maximise the results of Microbe Plus® Kelp Premium in spray, drip or irrigated applications.

## SHELF LIFE & STORAGE

- 12 months from the manufacturing date.
- Microbe Plus® Kelp Premium 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 Premium can be mixed and applied with most commonly used pesticides, fungicides and other fertilisers, however always check the labels for compatibility. Microbe Plus® Kelp Premium can also be mixed and applied with all of GrowGreen's liquid fertiliser range.

## PACKAGING

Microbe Plus® Kelp Premium is available in the following containers:

- 20L and 1000L

## GrowGreen Pty Ltd

6089 Cunningham Hwy, Kalbar, Qld 4309

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

## ANALYSIS (W/V)

Nutrient	Form	Analysis (W/V)
Nitrogen (N)	as amino acids	0.20%
Phosphorus (P)	as water soluble	0.10%
Potassium (K)	as molasses	0.30%

## APPLICATION RATES

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.

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

Telephone: +61 7 5463 9900 **OR** 1800 355 913

Email: sales@growgreen.com.au | [www.growgreenfertiliser.com](http://www.growgreenfertiliser.com)