

# YLAD Living Soils *Putting life back into the land*

## Nutri-Kelp™ Powder

Soil Balancing

Cropping

Pasture &amp; Animal

Foliar &amp; Fertigation

The world's most potent seaweed fertiliser concentrated into a 100% soluble powder.

### Description

Derived from *Ascophyllum nodosum*, harvested from the clean, cold North Atlantic waters, this is the highest analysis kelp product in Australia. Available in a 100% soluble powder, which reduces transport costs,

this seaweed fertiliser can be used through irrigation or as a highly productive foliar fertiliser. Kelp is a natural source of auxins, cytokinins and gibberellins, and these ingredients, in conjunction with the comprehensive range of trace elements, amino acids and chelating agents found in kelp, can provide many benefits. Kelp also contains complex carbohydrates which are a powerful microbial promotant - the fungal component of the soil can be boosted with Nutri-Kelp™ Powder.



### Benefits

- Biological Farmers of Australia (BFA) Registered Product 456A1.
- Can be a valuable rescue remedy during periods of stress.
- Improves crop quality and associated shelf-life.
- Boosts soil life activity, particularly the fungal fraction.
- Reduces maturation time.
- Increased brix levels may increase cold tolerance in some crops.
- Increases brix levels with an associated reduction in insect attraction
- Offers DIY chelation, as it contains a chelating agent called mannitol.
- Contains broad-spectrum trace elements in naturally chelated plant available form.
- Boosts flowering and improves the flower to fruit ratio.

### Packaging

Available in the following volumes:

- 300 g
- 1 kg
- 7 kg
- 20 kg



## Application Rates

### Foliar:

- Small Crops, Turf & Vines: 250 g per ha (applied every 1-2 weeks)
- Orchard Crops: 500 g per ha (applied every 4 weeks)
- Broadacre: 100 - 200 g per ha Minimum Dilution 1:1000 (1 g/L or 100 g/100 L)

### Fertigation:

- 1 kg per ha

### Rooting Powder:

- Dip cuttings in a 1:1000 solution

### Seedling Treatment:

- Dip seedlings into a 1:1000 solution to reduce transplant shock, or fertigate immediately after planting at 1 kg/ha. For home gardens, add a teaspoon of kelp to 4 L of water and water plants in after transplanting with 1 - 4 L per plant, depending on plant size.

### Pre-Flowering Foliar Recipe for Fruit Trees:

- Cal-Tech™ Liquid Calcium (with boron) at 4 L per ha Nutri-Kelp™ at 500 g per ha

## Miscellaneous

- Suggested rates and dosages are approximate and may vary depending on the climatic region, soil type and fertility. Additional applications can be made immediately prior to or following stress periods such as frost or drought. It is preferable to increase the frequency of applications rather than the concentration of the solution. Lower dilution rates should be applied to less dense foliage. Increase to higher rates as foliage matures.
- Nutri-Kelp™ is compatible with most insecticides, fungicides and fertilisers but, when chemical interaction is unknown, a jar test should be conducted. pH adjustments may be required with acidic mixtures.
- Excellent storage capacity. However open containers or plastic bags should be closed and stored in a dry location away from sunlight.
- Avoid spillages on floor as product becomes very slippery when mixed with water and may create a hazard.

## Typical Analysis w/w

Total Nitrogen (as organic N) .....	1 - 1.5%
Total Phosphorus (as organic P) .....	0.02 - 0.05%
Total Potassium (as organic salts) .....	19 - 21%
Sulphur .....	3 - 9%
Magnesium .....	0.5% - 0.9%
Calcium .....	0.5 - 1.0%
Copper .....	1 - 6 ppm
Boron .....	20 - 100 ppm
Iron .....	50 - 200 ppm
Manganese .....	5 - 12 ppm
Zinc .....	10 - 100 ppm
Molybdenum .....	1 - 5 ppm
Moisture .....	2 - 8%
Crude protein .....	6 - 8%
Carbohydrates .....	35 - 50%
Ash .....	40 - 55%
Alginic acid .....	10 - 20%
Mannitol .....	4 - 7%
Betaines .....	0.1%
Cytokinins .....	0.06%
pH .....	9.5
Specific Gravity .....	1.11
Conductivity .....	72 mS/cm
Solubility .....	100%
Appearance:	
Dark brown/black flakes	<2mm

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