



INNOVATIVE and AUSTRALIAN

AUTOKELP 350

AUTO-KELP 350

A highly concentrated liquid Kelp for Turf & Ornamentals



Barmac Auto-Kelp 350 is a high quality liquid Kelp product containing 35% w/v Sargassum species kelp. The high levels of Alginic acids and cytokinins make this product very effective in stimulating growth and improving water retention.

CYTOKININ

Kelp products have long been known as a source of cytokinin. As one group of several naturally occurring plant growth regulators (PGR's) cytokinin has a range of known physiological effects on plants. These include:

- Stimulates Cell Division
- Stimulates Shoot initiation and bud formation
- Stimulates leaf expansion from cell enlargement
- Stimulates Chlorophyll Synthesis

ALGINIC ACID

As well as high concentrations of Cytokinin, **Auto-Kelp 350** has a minimum of 40g/L (w/v) of Alginic Acid. This naturally occurring organic acid greatly improves water retention. This is important in high intensity turf situations such as greens. This water retention improvement will increase drought tolerance and help make the plant more turgid. Alginic Acid also appears to assist in nutrient uptake.

AUXINS

Auxins are the third major component of **Auto-Kelp 350**. These PGR's are well known to stimulate root growth. The Auxins in **Auto-Kelp 350** include IAA, Gibberellic Acid and IPA.

ORGANIC MATTER

Because of the very high level of kelp in **Auto-Kelp 350** this product can also be used to raise the organic carbon levels in the soil and increase the CEC. This further enhances moisture retention as well as improving nutrient holding ability. The organic matter will also assist in stimulating micro-organism activity.



NUTRITION

Auto-Kelp 350 contains 8% Potassium and 2% Phosphorus. As the product only needs to be used at low rates the NPK will not suffice as a complete nutrient. The product should be combined with CORON products or Autofert products to ensure adequate plant nutrient.

For more information about AUTO-KELP 350 or other BARMAC products visit www.barmac.com.au or one of our distributors.
Barmac Industries Pty Ltd Swanbank Australia

Auto-Kelp 350. B0710 V2

www.barmac.com.au



DIRECTION FOR USE

SITUATION	RATE	COMMENTS
Golf Greens, Lawn etc	50-100mL in 20 to 40 litres of water per 100m ²	Higher rate should be used at establishment of turf or during periods of high stress. Apply as necessary or as part of a 4 to 6 week nutrition program.
Bowling Greens	750mL – 1.5 litres in 300 to 600 litres per standard green.	
Fairways, Playing Fields, Lawns etc	5-10 litres in 2000 to 4000 litres of water per Ha.	
Ornamentals (Inc. Australian Natives	Mix 1 litre in 250 litres of water.	Drench soil around root zone with solution every 4-6 weeks.