

# Simplot *Signature* LIQUID KELP

## SPECIALLY FORMULATED LIQUID FERTILISER FOR TURF



**SIGNATURE LIQUID KELP** is a 100% liquid concentrate designed to deliver high concentrations of the plant hormones Auxin and Cytokinin. The ratio of hormones in Signature Liquid Kelp will encourage the growth and expansion of the root systems in the turf profile as well as overcoming a variety of stress conditions. Signature Liquid Kelp is manufactured from the fastest growing variety of seaweed on the planet (*Ecklonia maxima*) and extracted using non-chemical methods.

### ANALYSIS

100% Kelp extract concentrate  
Auxins: 11,000 ug/ml  
Cytokinins: 31 ug/ml

### DIRECTIONS FOR USE

TURF: 50 -100 ml /100 m<sup>2</sup> monthly

### WATER RATES:

Tees & Greens: min 10 L /100 m<sup>2</sup>  
Fairways: min 600 L /Ha  
Apply early morning or late afternoon.

### COMPATIBILITY

Signature Liquid Kelp is compatible with a wide variety of commonly used spray chemicals. When mixing with chemicals always mix a small quantity (jar test) to observe if any reaction occurs. If jar test is negative do not proceed with application.

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Available exclusively from your nearest Simplot distributor:

**SIMPLOT PARTNERS.** 20 DeHavilland Rd, Braeside, Vic 3195 (03) 9587 4993

**NRRBS.** 1/A Gateway Dr, Labrador, Qld 4215 (07) 5537 7323

**TURFCARE NSW.** Unit 8-24 Clyde St, Rydalmere, NSW 2116 (02) 9684 6611

**TOTAL TURF.** 2 Jessel Place, Duncraig, WA 6023 (08) 9448 5263

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## LIQUID KELP

### LIQUID SEAWEED CONCENTRATE

SIGNATURE LIQUID KELP is a concentrated form of natural plant hormones derived from seaweed. Extracted from the fastest growing seaweed on the planet (*Ecklonia maxima*), Signature Liquid Kelp delivers Cytokinins and Auxins to help expand and increase the root mass of turfgrass. Simply, without the presence and activity of hormones turf would not grow. Plant Hormones control the rate and direction of growth and are only required in very small amounts.

Auxins (Indole Acetic Acid) controls cell expansion, elongation and help initiate cell division. It affects the elasticity of cell walls (like blow up a balloon) allowing the cell to expand and grow.

Cytokinins affect the rate of cell division and therefore the promotion of growth. Of more importance is the role that Auxins and Cytokinins have when they are in combination. Depending on the concentration of both these hormones, root or shoot growth can be initiated. Signature Liquid Kelp contains a high concentration of Auxins and a lower concentration of Cytokinins. This ratio will result in an increase of root mass.

The advantages of an increase in root mass are many and varied.

- Improved water and nutrient uptake efficiency.
- Overcoming stress conditions.
- Improved overall health and condition of turf.

Research has also shown that these hormones in combination with other organic compounds can manage the presence of nematodes to an acceptable level. Signature Liquid Kelp should not be seen as an organic fertiliser or a way of increasing soil organic matter but more as a tool for changing how the turf will grow.

The issues in growing quality Turfgrass are many and varied. The use of Signature Liquid Kelp and other products in the " Simplot Signature Series" will aid in controlling the delivery of nutrients to turf.

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