



# SIGNATURE LIQUID KELP XTRA

## 100% Liquid Concentrate

SIGNATURE LIQUID KELP XTRA is a 100% liquid concentrate to deliver high concentrations of the plant hormones Auxin and Cytokinin. The ratio of hormones in Signature Liquid Kelp Xtra encourages the growth and expansion of the root systems in the turf profile as well as overcoming a variety of stress conditions. Signature Liquid Kelp Xtra is manufactured from the fastest growing variety of seaweed and is extracted using non-chemical methods.

Signature Liquid Kelp Xtra is a concentrated form of natural plant hormones derived from seaweed. Extracted from the fastest growing seaweed on the planet, Signature Liquid Kelp Xtra 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 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 Xtra 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 Xtra should be seen as a tool for changing how the turf will grow.

### DIRECTIONS FOR USE: TURF

Rate: 50 - 100 mL / 100m<sup>2</sup>  
Apply monthly.

### APPLICATION NOTES:

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

### PRODUCT ANALYSIS

			w/v%
Nitrogen	(N)	as Urea	3.0
Phosphorus	(P)	as Potassium Phosphate	1.5
Potassium	(K)	as Potassium Phosphate	0.5
Zinc	(Zn)	as EDTA	0.5
Fulvic Acid			0.5

### Hormones:

Auxins	50,000 ug/L
Gibberellins	50,000 ug/L
Cytokinins	3 ug/L

### PRODUCT SPECIFICATIONS

S.G:	1.05
pH (Neat):	4.5 - 5.0
Appearance:	Light green liquid
Shelf Life:	3 years

### AVAILABLE PACK SIZES & WEIGHTS

5 Litre:	5.3
20 Litre:	21.2
200 Litre:	211.5
1000 Litre:	1090.0