

# POWERFUL CONCENTRATION OF AUXINS & CYTOKININS



**KELPRO is a powerful concentration of Auxins and Cytokinins for the acceleration of plant growth and for assisting plants endure Stress.**

**Sargassum kelp (KELPRO) is amongst the fastest growing plants on the planet, driven by a powerful concentration of Auxins and Cytokinins.**

**KELPRO is derived from pulping Sargassum KELP, producing a product with unmatched levels of Auxins and Cytokinins.**

**KELPRO is for the promotion of plant growth at establishment, routine maintenance and when plants are under stress.**

## **KELPRO PLANT RESPONSES**

### **GROWTH RESPONSES**

- Improved Shoot and Root Growth

### **BIOTIC STRESS MANAGEMENT**

- Assists in stimulating additional plant growth to offset the effects of pest & disease complexes

### **ABIOTIC STRESS MANAGEMENT**

- Improved Salt and Drought Tolerance
- Improved cold tolerance
- Enhanced Photosynthesis

## **DIRECTIONS FOR USE**

<b>SITUATION</b>	<b>RATE</b>	<b>CRITICAL COMMENTS</b>
Golf Greens, Lawns etc	50-100mL in 20 to 40 litres of water per 100m <sup>2</sup> .	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 (Incl. Australian Natives)	Mix 1 litre in 250 litres of water.	Drench soil around root zone with solution every 4 – 6 weeks.



INGREDIENTS	KELPRO	MARKET LEADER
Organic Matter	15-17%	
Phosphorus	2% w/v	0.1% w/w
Potassium	8% w/v	
Trans Zeatin (Cytokinin)	6 milligrams/L	0.0007 milligrams/L
Trans Zeatin Riboside (Cytokinin)	13 milligrams/L	0.007 milligrams/L
Isopental Adenosine (Cytokinin)		0.002 milligrams/L
Isopental Adenine (Cytokinin)		0.016 milligrams/L
<b>Cytokinin Total</b>	<b>19 milligrams/L</b>	<b>0.0257 milligrams/L</b>
Indole Acetic Acid (Auxin)	2.9 milligrams/L	0.150 milligrams/L
Indoleproponic Acid (Auxin)	157 milligrams/L	
<b>Auxin Total</b>	<b>159.9 milligrams/L</b>	<b>0.150 milligrams/L</b>
Gibberellic Acid	51 milligrams/L	
Alginic Acid (Carbohydrate)	40g/L	12% w/w
Total Solids	350g/L - 35%	20% w/w
Auxin : Cytokinin	8 to 1 Ratio	6 to 1 Ratio
Origin	Northern Pacific	Tasmanian
Species	Sargassum	Tasmanian Bull Kelp

**KELPRO provides a higher level of Cytokonins and Auxins than other Kelp products. It is these important ingredients that enable Kelp products to enhance the promotion of roots and general plant growth.**

### CYTOKININS

Are plant hormones that are essential for plant growth in cell division as well as shoot and root morphogenesis. They are essential for plant growth and contribute to shoot and top growth in plants.

### AUXINS

Are Hormones that regulate plant growth by stimulating cell elongation and the formation of new roots. Auxins are directly related to root Growth and important in plant establishment and maintenance.

### ALGINIC ACID

Is capable of absorbing many times its own weight in water. In a plant it reduces desiccation, increases heat tolerance and salt resistance. Research also suggests that Alginic acid has a role in reducing frost damage.

### GIBBLERELLIC ACID

Is a natural plant hormone that accelerates plant growth by stimulating rapid root and stem growth. It is responsible for the miotic division of plant leaves and is used to increase and accelerate seed germination.

**KELPRO contains high levels of the above plant active ingredients ensuring that plants treated with KELPRO are better able to withstand plant stresses and provide for improved plant growth.**