



Basfoliar Kelp O SL is a natural and organic sea plant based extractant of Kelp family (Ecklonia maxima). The superiority of this product has been witnessed by having phenomenal impact on breaking seed dormancy, root growth and development, ample root hair formation, leaf laminar size increase, enhanced photosynthetic efficiency, optimum flower/fruit setting, increased fruit size and colour development, higher brix value and vitamins content and better keeping quality.

### Why Ecklonia maxima?

Ecklonia maxima, or sea bamboo, is found only at the southern tip of SA and nowhere else in the world. Due to strong nutrient rich Benguella currents along the SA coastline it grows in very turbulent waters and to survive it must grow very fast to get to the surface to reach the sun. Sea bamboo can grow up to 60-90 ft. tall and can grow up to 30 cm a day. Due to this unique survival mechanism, this type of kelp has the highest concentration of powerful growth promoter hormones, which is the secret ingredient that makes it such a powerful biostimulant.

## **Harvesting & Extraction Process**

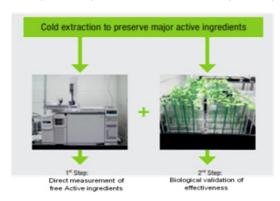
Kelp is hand harvested in strips ensuring the uniform size and edge of the raw materials. The harvested kelp is immediately transferred to the production site for further processing. Extraction from kelp is being done by using a cutting edge technology known as "Cold Micronisation Process (CMP)". It's a completely unique mechanism, to rupture the cells by avoiding any kind of synthetic, chemicals or heating process, resulting in obtaining a strong yet eco-friendly, organic biostimulant.

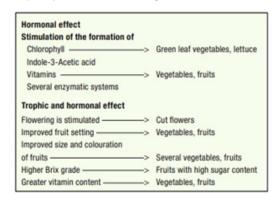
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### Standardisation of Basfoliar Kelp OSL

Basfoliar Kelp O SI is standardised to a optimum concentration and ratio of active ingredients i.e. Auxin and cytokinin to 300:1. A constant level of **11 ppm of auxin with 75micro gm. of free Auxin (IAA/It.)** and rest in bound form is maintained which ensures miraculous effect on various physiological processes ongoing in the plant system. Precise analysis of the Auxin is being done by a very sophisticated instrument named GC-MS (Gas chromatography-Mass Spectrometry) and biological validation is being done on Mungbean assay.

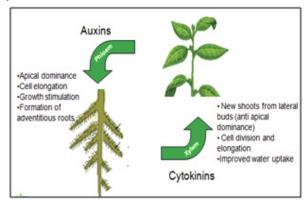
**Active ingredients:** It contains 11.0 ppm. of natural auxin (IAA) with optimum concentration of cytokinin for enhanced growth and development of plant's root and shoots respectively. It helps in enhanced of organoleptic qualities of fruits, vegetables and cereals.

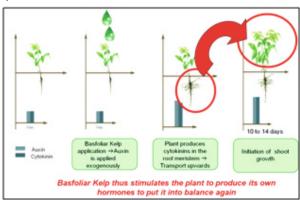




Apart from these it also contains **alginate**, **betaine**, **sterols**, other **polysaccharides** and traces of **amino acids** for overall growth, development and plant resistance.

**Mode of action:** When applied to the plants, the exogenous auxin content of Basfoliar Kelp O SL travels towards the root system and helps in profused root growth and development, for better nutrient uptake, whereas, strong root system helps in increased cytokinin synthesis which travels from root to shoot for better shoot development.





### **Role of Basfoliar Kelp OSL**

### It helps in

- vigrous root growth and profused root hairs for better crop establishment and nutrient uptake from soil respectively.
- foliage (leaf) growth for **better photosynthesis** in vegetative stage
- · flower setting and development
- fertilisation through pollen tube elongation for better fruit setting and development
- increasing the size of the fruit & reduces leaf and fruit drop
- improving organoleptic qualities of fruits and vegetables as colour, flavour, texture and keeping quality

## Benefits of kelp seaweed extract

- A unique ratio of the natural phyto-hormones auxin and cytokinin to enhance root development.
- The extraction process ensures full efficiency of the natural ingredients from the seaweed extract (Ecklonia maxima).
- Improvement of plant growth and stress resistance (e.g. diseases, drought and salinity).
- Higher yield and quality from boosted crop growth

Special features: Basfoliar Kelp O SL is an organic product with Ecocert certification and highly recommended for organic farming also.

# Physical properties:

Colour Yellowish
pH (1:10 in water) 4.6
Physical appearance Liquid
Recommendation for application:

Foliar application : 2.5-3.0 ml/lt Fertigation : 500-1000 ml/acre

Drenching and root/fruit dipping : 10 ml/lt\*

\* ESS for grapes-1.0 Lt/acre at 4 mm stage and 800 ml/acre at 8 mm stage

Minimum time between applications: 10–15 days (plant needs time to restore hormonal balance).

**Miscibility:** This product is miscible with virtually all the common plant protection agents; Mixtures with strong alkalis or mineral oils should be avoided. A simple compatibility test with the intended mixing partners is recommended before practical use.

**Storage:** This product can be stored in the unopened original container for several years. Opened containers should be used up or be resealed immediately. Any crystallisation of the product that may occur during prolonged storage does not influence the quality of the product.





# **EXPERTS FOR GROWTH**

Fruit Crops  Apple Before flowering Fruit development 1 month before maturity 3 ml  Banana 10 days after transplanting 1 Lt./acre (For drenching) 120 days after transplanting 3 ml  180 days after transplanting 3 ml  210 days after transplanting 3 ml  210 days after transplanting 3 ml  Custard 20 days Before flowering 3 ml.  At fruit setting 3 ml.  Grape 20-25 days after pruning 3 ml.  4 mm stage 3 ml.  8 mm stage 3 ml.  12 mm stage 3 ml.  16 mm stage 3 ml.  16 mm stage 10 ml. (for dipping)  17 mm stage 10 ml. (for dipping)  18 mm stage 10 ml. (for dipping)  19 mm stage 10 ml. (for dipping)  11 mm stage 10 ml. (for dipping)  12 mm stage 10 ml. (for dipping)  13 ml.  At fruit setting 3 ml.  At Fruit development (50 mm stage) 3 ml.  15 days before maturity 3 ml.  Orange/ At Pre bloom 3 ml.	Crops	Stage of application	Dose of application/Ltr.
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20 days before maturity 3 ml.		20 days before maturity	3 ml.

Crops	Stage of application	Dose of application/Ltr.
Сгорз	Stage of application	of water/stage (For spray)
Cardomom	Before flowering	3 ml.
Cardomoni	At fruit setting	3 ml.
	20 days before maturity	3 ml.
Coffee	Before flowering	3 ml.
Corree	Fruit setting	3 ml.
	Fruit development	3 ml.
	20 days before maturity	3 ml.
Tea	Vegetative stage (repeated	3 1111.
	application at 20 days interval)	3 ml.
	After leaf picking	3 ml.
Vegetable Crop		3 1111.
Chilli/	At transplanting	3 ml.
Capsicum/	Fruit setting	3 ml.
-	Fruit development	3 ml.
Cabbage/	Before curd formation	3 ml.
Cauliflower		
Okra	Before flowering	3 ml
	2 application after first picking	
	at 20 days interval	3 ml.
Onion/Garlic	Root dipping before transplanting	10 ml (for dipping)
·	Bulb initiation	3 ml.
Potato	Tuber dipping	10 ml (for dipping)
	Tuber initiation	3 ml
	Tuber bulking	3 ml
Turmeric/	Planting material (rhizome) dipping	10 ml (for dipping)
Ginger	Rhizome development	3 ml
	30 after rhizome development	3 ml
Field Crops		
Cotton	Before flowering	3ml.
	Boll development stage	3ml.
Paddy	Root dipping at transplanting	10 ml (for dipping)
	Panicle initiation	3 ml
Maize	At knee high	3 ml
	Before tasseling	3 ml
Sugarcane	Set treatment	10 ml (for dipping)
	45 days after transplanting	3 ml
Pulses & Oil see	ds	
Gram/ Green/	Mid vegetative	3 ml.
Black gram	Pod development	3 ml
Ground nut	Peg formation	3 ml.
	Seed development	3 ml
Red gram	Before flowering	3 ml
	Pod setting	3 ml
Dana soud C	Before flowering	3 ml
Rape seed &	3	
Mustard	Siliqua formation	3 ml
-	-	3 ml.