



## "SEAPOWER 35 L"

### *Liquid Seaweed Extract (35%)*

"SEAPOWER 35 L" is derived from brown seaweed such as *Sargassum*, *Ascophyllum Nodosum* and *Laminaria*. The seaweeds are selected and treated appropriately using physical methods, thereby retaining the sensitive hormonal balance and active substances integrally found naturally in the fresh seaweed, and retaining the active ingredients in the end products. The principal nutrients and organic substances contained therein are apt to be assimilated and have high biological activity.

### **1/ COMPOSITION**

<u>1) Indicative analysis</u>	<u>Wt/Vol</u>	<u>Indicative analysis</u>	<u>Wt/Vol</u>
Soluble matter	min. 35%	Total Nitrogen N	5 - 6%
Phosphorus (P <sub>2</sub> O <sub>5</sub> )	2 - 4%	Potassium (K <sub>2</sub> O)	7 - 8%
Mg	0.002 - 0.004%	Ca	0.006 - 0.008%
Fe	0.010 - 0.016%	Cu	0.50 - 0.58 mg/kg
Zn	11.00 - 11.60 mg/kg	pH	6 - 9
Colour	brown		

### **2) Carbohydrates**

Alginic Acid	1 - 2%	Polyphenol	0.025%
Mannose	3.30%		

Naturally occurring growth promoters: Cytokinins (15 ppm), Auxins (100 pm), Gibberellins (50 ppm) 300 ppm

### **3) Amino Acids (Average g of Amino Acid/100 g of protein)**

Alanine	0.81	Lysine	0.033
Arginine	0.022	Methionine	0.039
Aspartic Acid	1.44	Phenylalanine	0.082
Cystine	trace	Proline	0.42
Glutamic Acid	2.69	Senne	0.0014
Glycine	1.16	Threonine	0.002
Histidine	0.042	Tryosine	0.0080
Isoleucine	0.94	Valine	0.0146
Leucine	1.84		

### **2/ FUNCTIONS**

Because of these special properties, it can be considered a nutrition and plant biology activator, essential for obtaining high yields and superior quality.

- \* To increase the growth of crops and plants; especially, promote the root growth, which improves the plant's ability to absorb the nutrient elements efficiently.
- \* To thicken, enlarge and balance the leaf's growth, to supply well-balanced crop nutrients.
- \* To supply the nutrients for crops, specially, trace elements.
- \* To increase plant ability of resisting environmental stress (drought, frost, pests/diseases).
- \* To improve blossom and fruit set.
- \* To improve the characteristics of sense (color, sugars, etc.), including specific weight, better preservation activity.
- \* To increase produce quality and yield.

### **3/ USE**

\* **Irrigating applications:** as synergetic action of mineral fertilisers: 5 - 6 ltrs./ha. Irrigation methods include spray irrigation, drip irrigation and flow irrigation. For drip irrigation: 3-4 ltrs/1500 ltrs of water, for all crops.

\* **Seed soaking:** it can also be used to soak crop seed before planting, suitable for the pre-germination of the seed, dilution rate is 1:800 - 1,000. And the time of soaking is determined according to the thickness of seed skin. In general, it should be soaked 5 - 8 h. It can reduce the mortality rate, using it for several minutes before transplanting shrubs, plants or trees.



**PRODUCT INFO  
& DATASHEET**

\* **Foliar applications:** General recommendation is 100 - 400 ltrs./ha (9 - 36 gallons/acre). 3-4 ltrs/2400 ltrs of water for all crops.

Crop	Application	ltrs/100 sqm
Pear, apple	Treat 3 - 4 times, at the time of Green tip, Pre-bloom, Full-bloom, Early fruit formation respectively.	3 - 4
Citrus, lemons	Treat 3 - 4 times, at the time of Early-bloom, Petal fall, with Summer spray, with Full spray respectively.	3 - 4
Stone fruit (plum, peach, apricot, cherry)	Treat 3 - 4 times, at the time of Pink or White bud, Full bloom, Early fruit formation, 3 weeks later respectively.	2.5 - 3
Vine	Treat from vegetative regrowth, another periodically every 10 - 20 days, up to a month before harvest.	3 - 4
Potatoes	From the beginning of bulb formation, repeat every 10 - 15 days.	2 - 3
Leaf vegetable	Treat 3 - 4 times from the first true leaves up to harvesting.	2 - 3
Fruit-bearing vegetable (tomato, pepper, melon, cucumber)	From rooting of the seedlings until harvest, repeat periodically every 10 - 15 days.	3 - 4
Cereals	Spring time regrowth for the whole period of stem elongation.	2 - 3
Industrial crops (sugar beet, tobacco etc.)	From the first leaves, 3 - 4 treatments every 10 - 20 days until one month from harvest.	2 - 3
Oleaginous crops (soya, sunflower)	From initial stages repeat periodically every 10 - 15 days.	2 - 3
Lawns, alfalfa	After every mowing.	3 - 4
Flowering plants	Treat for the entire vegetative period until budding starts. Do not treat visible petals.	2 - 3
Ornamental and nursery plants	2 - 3 treatments every 10 - 15 days, as from vegetative regrowth.	2 - 3
Fish farming	As fish farming additive to the living environment of the fish. Actual application method should depend on fisherman's practice.	

**4/ COMPATIBILITY**

At the recommended dose, it can be mixed with other fertilisers, pesticides in general. But the chemical interaction is unknown and a pre-experiment is necessary. We decline all responsibility in this respect to ascertain the suitability.

**5/ STORAGE AND PRECAUTIONS**

- \* It should be stored in frost-free condition with optimum range between 5 - 40°C.
- \* Non-hazardous and non-flammable foliar fertiliser.
- \* Gloves and face shield should be worn when handling the concentrate.
- \* It should be kept in closed containers.

**6/ PACKING**

**a/ Packing:**

In 1 ltr bottle, 12 x 1ltr/carton, 324 bottles/ltr per pallet.  
We can load 20 pallets = 6480 ltr/20' container. Min. order is 5 pallets = 1620 ltr

**b/ Packing:**

In 5 ltr bottle, 6 x 5 ltr/carton, 162 bottles = 810 ltr per pallet.  
We can load 20 pallets = 16200 ltr/20' container. Min order is 2 pallets = 1620 ltr

**c/ Packing:**

In 20 ltr drums, 48 x 20 ltr = 960 ltr per pallet.  
We can load 10 pallets of 48 x 20 ltr (960 ltr) (upper) and 10 pallets of 32 x 20 ltr (640 ltr) (under) = total 16000 ltr/20' container.  
Min. order is 2 pallets = 1920 ltr

**d/ Packing:**

In 200 ltr drums, 4 drums = 800 ltr per pallet, 20 pallets = 16000 ltr/20' container

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