

# ASCO-SLE

## LIQUID SEAWEED EXTRACT

### DESCRIPTION

ORGANICOCEAN ASCO-SLE is a concentrated liquid extract of cold water brown seaweed *Ascophyllum nodosum*. ORGANICOCEAN ASCO-SLE is a biostimulant that improve plant health, stress tolerance, growth and photosynthetic capacity.

The biostimulating properties and benefits of *Ascophyllum nodosum* extract have been clearly demonstrated by several scientific studies. ORGANICOCEAN ASCO-SLE contains several active compounds in natural balanced proportion:

- Growth regulators (cytokinins and betaines)
- Short-chain carbohydrates elicitors ( $\beta$ -glucans, oligo-alginates)
- Chelating agents (mannitol and oligo-alginates)

ORGANICOCEAN ASCO-SLE is completely water soluble (no insoluble particle) and suitable for use in foliar and irrigation water applications (hydroponic, dripping). Solubility and solid content are closely related to the absorption potential of the active compounds and to product efficiency.

### BENEFITS

- Increases root growth
- Increases resistance to fungal disease
- Improves germination
- Increases antioxidants production
- Increases resistance to drought
- Increases and stabilizes chlorophyll level in plants

### APPLICATION RATES

**Turf:** Dilute 30-35 ml of ORGANICOCEAN ASCO-SLE in 10 L of water. Mix well to get a uniform solution. Apply at initial growth stage and every 3-4 weeks intervals at 10 L of diluted solution / 100 m<sup>2</sup>. Make additional applications after periods of stress or heavy use, to newly applied sod, and as a late season spray. Apply as a fine mist at low pressure until foliage is wet. Apply in the morning or late evening. Do not apply when rain is expected or irrigation is planned.

**Fruits, vegetables & ornamentals (foliar application):** Dilute ORGANICOCEAN ASCO-SLE in water, mix well to get a uniform solution and apply to the foliage. Use 3 L / ha in 500-2000 L of water depending on equipment type and size of crop.

**Fruits, vegetables & ornamentals (irrigation water application):** Dilute ORGANICOCEAN ASCO-SLE in two parts of water (5 L extract / 10 L water) and mix well to get a uniform solution. Inject this pre-diluted solution into the irrigation system. Calibrate injectors and nozzles to obtain a uniform rate into irrigation water. Use 3-3,5 L of ORGANICOCEAN ASCO-SLE / ha.

### ORGANIC AGRICULTURE

ORGANICOCEAN ASCO-SLE is listed by the Organic Materials Review Institute (OMRI) for use in organic production in compliance with the USDA National Organic Program (NOP). This product is also approved for organic agriculture by Garantie Bio-Ecocert in compliance with the NOP and the Conseil des Appellations Agroalimentaires du Québec (CAAQ). It is also compliant with the rule CEE no 2092/91 modified on June 24<sup>th</sup> 1991.

### GUARANTEED MINIMUM ANALYSIS

Total nitrogen (N)	0 %
Available phosphoric acid (P <sub>2</sub> O <sub>5</sub> )	0 %
Soluble potash (K <sub>2</sub> O)	6 %
Organic matter	10 %
Total solids	20 %

### TYPICAL ANALYSIS

Solubility in water	Complete
Boron (B)	25 ppm
Calcium (Ca)	0,15 %
Chlorides (Cl)	0,8 %
Iron (Fe)	30 ppm
Magnesium (Mg)	0,07 %
Manganese (Mn)	5 ppm
Sodium (Na)	0,8 %
Sulfur (S)	0,15 %
Zinc (Zn)	5 ppm

### PACKAGING

1000 L (polyethylene tank)  
200 L (polyethylene drum)  
10 L (polyethylene container)

### NOTES

ORGANICOCEAN ASCO-SLE should be used as a part of a complete fertilization program that relates to the fertility of the soil. Keep the product in a cool place away from direct sunlight. May be harmful if swallowed. Keep out of reach of children.

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