

Seaweed Extract Liquid

Technical Data Sheet

Description

Seaweed Extract Liquid is a natural green liquid extract produced from freshly harvested *Ascophyllum nodosum*. The bioactive compounds are obtained via a proprietary cold extraction process without the use of heat or chemical solvents, preserving the natural properties of the seaweed.

Main benefits

Seaweed Extract Liquid is a powerful plant biostimulant suitable for use in professional agriculture and horticulture. It promotes healthy growth, supports better yields and stronger plants with enhanced tolerance to abiotic stress such as drought, heat, frost and salinity. The product contains oligo- and polysaccharides, polyphenols, minerals and micronutrients that help activate the plant's own growth and protection systems.

Purpose

Plant biostimulant for professional use.

Applications

The timing of applications can be aligned with critical stages in the crop's development. Correct timing, especially in early growth stages, will help maximise the benefits. Seaweed Extract Liquid can be used as a stand-alone input or as part of a broader nutrition and biostimulant strategy.

Compatibility

Seaweed Extract Liquid is compatible with many commonly used spray solutions and liquid fertilizers. Always check label information and perform a small-scale compatibility test before mixing with new products.

Packaging

Available in 1, 5, 10, 20, 210 and 1,000 litre containers (depending on market and availability).

Product nature

Seaweed Extract Liquid is a natural product. Its properties may show some variation between batches and seasons, indicating the absence of synthetic uniformity and reflecting its natural origin.

Typical specification

| Parameter | Specification |
|----------------------------|--------------------|
| Appearance | Liquid |
| Colour | Olive green |
| Odour | Marine |
| pH (20°C) | 4.0 – 4.5 |
| Total dissolved solids | 65 g/L |
| Specific gravity (20°C) | 1.06 – 1.08 |
| Solubility | > 99% |
| Organic matter | 5.2 % w/w |
| Inorganic matter | 1.3 % w/w |
| Total organic carbon (TOC) | 3.6 % w/w |
| Total free amino acids | approx. 0.65 % w/w |
| Mannitol | present |
| Alginic acid | present |
| Laminarin* | present |

* Laminarin is present in the form of β-glucans (short-chain oligosaccharides) which act as plant growth biostimulants and elicitors/activators of the plant's natural growth and defence mechanisms.

Heavy metals (maximum levels)

Arsenic (As) < 1 mg/kg, Cadmium (Cd) < 1 mg/kg, Chromium (Cr) < 1 mg/kg, Copper (Cu) < 30 mg/kg, Lead (Pb) < 1 mg/kg, Mercury (Hg) < 0.1 mg/kg, Nickel (Ni) < 0.1 mg/kg, Zinc (Zn) < 3 mg/kg.

Storage and handling

Store in a cool, dry and well-ventilated place, protected from direct sunlight. Keep containers tightly closed when not in use. Prevent freezing and exposure to excessive heat.

Contact

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