

Sea ACTION SEAWEED



BIORATIONAL



FOR TURF & ORNAMENTALS



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ORGANIC GROWTH ENHANCER

Ascophyllum nodosum, nature's complete plant growth enhancer



Sourced from 100% cold-pressed *Ascophyllum nodosum* (knotted wrack seaweed) SeaAction Seaweed is an organic plant biostimulant specially formulated to retain all of the natural benefits of the raw ingredient.

SeaAction Seaweed will actively stimulate effective plant rooting, defence and tillering functions.

Seaweed Will

- Up-regulate plant growth, development, nutrition, and tolerance to abiotic stresses
- Stimulate plant defence mechanisms due to the bioactive carbohydrates found only in algae. These are active chelating agents which also provide micro-colloid films on leaf surfaces. These films feed beneficial microbes which in turn assist plant defence and growth
- Stimulate plant defence responses against biotic stresses such as; bacteria, viruses, fungi, and parasites
- Stimulate plant defence responses against abiotic stresses such as; heat, drought, cold, drying winds, water logging
- Effectively chelate and complex micronutrients; boron (mannitol), Cobalt (vitamin B12)
- Supply a balanced source of amino acids which will be taken up by plants and used as 'metabolic short-cuts' that stimulate growth during establishment and during spring

SeaAction Why

- **Our exclusive** cold-press manufacturing process extracts the maximum quantity of bioactive compounds such as auxin and vitamin B12, without any degradation that results from heat or chemical extraction
- Contains high levels of plant essential compounds such as iodine
- Produced without creating additional waste by-products
- Includes food grade quality preservatives
- **Zero added NPK, facilitating maximum control of nutritional inputs**

Nutritional composition

Where a range is provided, this represents data from multiple analyses. Where no figure is given, the components present has been confirmed only. Analysis is based on the dry weight of the starting fresh seaweed.

Elemental content

Phosphorus (P) 0.5–75g/kg, Magnesium (Mg) 7.4–7.6g/kg, Calcium (Ca) 12g/kg, Nitrogen (N) 1.3%, Potassium (K) 22–23mg/kg, Sodium (Na) 27–32g/kg, Sulphur (S)

2.2%, Manganese (Mn) 37–61mg/kg, Cobalt (Co) 0.47mg/kg, Selenium (Sn) 0.01–0.11 mg/kg, Copper (Cu) 1–3mg/kg, Arsenic (As) 27–33mg/kg, Mercury (Hg) 0.01mg/kg, Lead (Pb) 1.1mg/kg, Cadmium (Cd) 0.36mg/kg, Aluminium (Al) 218mg/kg, Boron (B) 78–81mg/kg, Barium (Ba) 11mg/kg, Chromium (Cr) 1.4–4.3mg/kg, Iodine (I) 300–525 mg/kg, Iron (Fe) 280–380mg/kg, Zinc (Zn) 25–45mg/kg

Vitamin content

Thiamine (B1) 2.29mg/kg, Folic acid (B9) <0.5mg/kg, Niacin (B3), Riboflavin (B2)

Key information

Seaweed species	<i>Ascophyllum nodosum</i>	pH	4.5–6.0
Appearance	Light green to light brown	Specific gravity	1.05
Total solids	c. 5%	Solubility	Complete
Shelf life	24 months		

SeaAction How

SeaAction Seaweed can be applied to turf grass and plants every 2-4 weeks throughout the year and particularly during the Spring and Summer.

Application period

J	F	M	A	M	J	J	A	S	O	N	D
•	•	•	•	•	•	•	•	•	•	•	•

Application rates

Application type	Applicator	Application rate	Water volume (l/ha)	Pack coverage (m ²)
Remedial application	Boom sprayer	20l/ha	300–400	10,000–5,000
	Knapsack	2ml/m ²		
Maintenance application	Boom sprayer	10l/ha	300–400	10,000–5,000
	Knapsack	1ml/m ²		

- Best applied as a foliar treatment
- Apply evenly using a suitable calibrated sprayer, avoid overlapping or missing areas
- Half fill the sprayer with clean water. Add concentrate as required and mix thoroughly whilst adding remaining water

0.8–3.22mg/kg, Panthothenic acid (B5) 15.3mg/kg, Pyridoxine (B6) 0.5–58.3mg/kg, Cobalamin (B12), Vitamin A, Vitamin C 89–125mg/kg, Vitamin D, Vitamin E, Vitamin K, Vitamin H (Biotin) 0.42mg/kg

Other

Carbohydrates 8%

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This product is not classified as hazardous for supply or for transport. Please refer to the associated safety data sheet for information and guidance on safe transport, handling, use and disposal of this product.

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