



BioAtlantis

Nature working Naturally™

TECHNICAL DATA SHEET

Super Fifty®

Description: Super Fifty® is a super-concentrated seaweed extract manufactured from *Ascophyllum nodosum* algae harvested from the Atlantic Ocean on the coast of Ireland. This unique product is the highest concentrated liquid seaweed extract on the world market, enhancing plant responses to abiotic stresses and giving rise to beneficial effects in terms of crop yield and quality parameters. Super Fifty® has been demonstrated by external universities to increase performance, marketable grade and root growth. It has also been shown to mitigate drought, heat and salinity stress.

Usage/Control	Foliar and Fertigation applications. Refer to Application Data.
Handling/Compatibility	Refer to Safety Data Sheet. Shake well before use.
Storage	Store in original containers >5°C and away from direct sunlight.
Packaging	0.5L , 1L, 1.1L, 5L, 10L, 20L, 210L or 1000L

General Features

Appearance	:	Black/brown liquid
Odour	:	Marine
Specific Gravity	:	1.22 to 1.24
Solubility	:	≥99.5% soluble (on an as is basis)
Concentration	:	≥495g/L dry matter

Chemical Analysis

pH	:	8.5 – 10.5
Organic Matter	:	22.5 – 26.5% w/w
Inorganic Matter	:	14.5 – 18.5% w/w
Total Organic Carbon	:	20% w/w minimum

Guaranteed analysis (Min –Max)

Macronutrients

Potassium	K	6.7% w/w
Potassium oxide	K ₂ O	8.0% w/w

Guaranteed analysis (Min)

Heavy Metal Analysis

Arsenic	As	<19.5 mg/Kg
Cadmium	Cd	<0.5 mg/Kg
Chromium	Cr	<1.0 mg/Kg
Lead	Pb	<5.0 mg/Kg
Mercury	Hg	<0.2 mg/Kg
Nickel	Ni	<1.0 mg/Kg
Tin	Sn	<0.6 mg/Kg

Guaranteed analysis (Limit)

Super Fifty® is a natural product. Its properties may vary between batches and seasons.

Super Fifty® is certified for use in organic farming by the Organic Trust Ltd., CDFA, WSDA and is OMRI listed. Suitable for organic farming in compliance with Council Regulation (EC) 834/2007. Inspected by ECOCERT SA F-32600.

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Page 1 of 1