

Specification Data Sheet

SSE

A pure *ASCOPHYLLUM NODOSUM* seaweed harvested from the clean icy waters of the North Atlantic. Used in a regular feeding program will supply the crop with a well balanced nutrient value and give added protection against stress conditions. (*Ascophyllum Nodosum*, Fucaceae) Composed of alginate, protein, fats, carbohydrates, marine salts, and trace elements.

CHEMICAL ANALYSIS

Specifications

TYPICAL ANALYSIS:

W/W

Dry Matter	95%	Nitrogen (N)	1.00-1.75%
Organic Matter	42-54%	Available Phosphate	1.00-2.50%
Ash (minerals)	42-54%	Soluble Potash	10.0-15.0%

Boron(B)	75-125ppm	Manganese (MN)	7 - 10 ppm
Zinc (Zn)	50-80 ppm	Calcium(Ca)	0.10-0.15%
Sodium (Na)	2.50-4.00 %	Copper(Cu)	25-45 ppm
Iron (Fe)	125-240ppm	Magnesium(Mg)	0.25-0.55%
Sulphur (S)	0.5-1.5 %		

Carbohydrates: Alginic Acid, Mannitol, Laminarin

Naturally occurring growth promoters: Cytokinins, Auxins, Gibberellins (700-800 PPM)

Amino Acids (Average g of Amino-acid/100g of protein)

Alanine	3.70	Glutamic Acid	7.50	Leucine	4.50
Proline	4.25	Arginine	0.20	Glycine	3.00
Lysine	1.00	Serine	0.10	Aspartic Acid	5.25
Histidine	0.35	Methionine	1.20	Threonine	1.20
Cystine	trace	Isoleucine	1.85	Phenylalanine	2.50
Tyrosine	1.50	Valine	3.10		

Acidic dilution liquids (pH<5) should be adjusted to neutral pH (6.5-8.0) prior to the addition of SSE

TYPICAL PROPERTIES

BOILING POINT (F):..... N/A

(C):..... N/A

FREEZING POINT (F):..... N/A

(C):..... N/A

VAPOR PRESSURE (mm Hg): N/E

EVAPORATION RATE: N/E

VAPOR DENSITY (air=1):..... N/E

SOLUBILITY (in water)by wt: 100%

pH OF CONCENTRATE: 10.0-10.5

MOISTURE:.....10.0

APPEARANCE AND ODOR: brownish-black, Marine odor