



Ag Soil Amendments, Inc.

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TYPICAL ANALYSIS of Grower's EDGE™

SPECIFICATIONS:

Boiling point, degrees (f):	> 210 @ 1 amt
Specific gravity (H2O = 1):	1.021
Weight per gallon:	8.51
Vapor pressure (mm hg):	17mm@ 68 deg f.
Vapor density (air = 1):	0.62
Evaporation rate:	0.08
Solubility in water:	20%
Appearance and odor:	Black liquid, slight odor
pH	9.6
Humic Acid	1.50%
Ascophyllum Nodosum	0.065%

ELEMENTS:

Nitrogen (N)	0.05 %
Phosphoric Acid (P2O5)	0.05 %
Potash (K2O)	0.70 %
Boron (B)	1.19 ppm
Calcium (Ca)	0.046 %
Iron (Fe)	160 ppm
Magnesium (Mg)	0.02 %
Manganese (Mn)	5 ppm
Sodium (Na)	0.002 %
Sulfur (S)	0.04 %
Sulfate (SO4)	4,000 ppm
Zinc (Zn)	5 ppm

VERIFIED TRACE ELEMENTS:

Cobalt
Bromine
Molybdenum
Copper
Selenium
Nickel
Chloride
Lithium
Fluoride
Vanadium
Silicon
Aluminum
Titanium
Molybdenum

PHYSICAL PROPERTIES:

C:N Ratio	14:1
Total Solids	36.83 ppm
Total Suspended Solids	10.85 ppm
Total Dissolved Solids	22.63 ppm
Total Settable Solids	3.34 ppm
Carbon from Solids (C)	78.5 %

CHEMICAL PROPERTIES:

EC mmhos/cm	19.90
Sodium Absorption (SAR)	2.67
Total soluble salts (TDS)	15,623 ppm
Bicarbonate	122 ppm

MICROBIAL ANALYSIS:

	<u>(CFU/ML)</u>
Aerobic bacteria	2.3 X 10 ⁶
Yeasts and Molds	2.1 X 10 ⁴
Pseudomonads	1.1 X 10 ⁴
Actinomycetes	2.8 X 10 ⁵
Nitrogen-Fixing Bacteria	3.3 X 10 ⁵
Anaerobic Bacteria	4.9 X 10 ⁵
Algae enumeration and identification	1.9 X 10 ⁷ cells/ml

<u>Genus</u>	<u>Biomass estimate</u>
Anacystis	85%
Merismopedia	5-10%
Anabaena	2%
Chlamydomonas	few
Diatoms	few

HORMONE ANALYSIS:

<u>Compound</u>	<u>(g/15 ml H₂O)</u>
Abacisic Acid	0.02
Adenine	0.03
Adenosine	0.06
Indole Acetic Acid	0.05
Zeatin	0.05