

# Omex BioHumate

## **FUNCTION**

Omex BioHumate acts on the soil to form complexes, or weak chelates with minerals, making them more available to the growing plants. Omex BioHumate also provides a source of energy to beneficial microorganisms in the soil solution, such as algae, mycorrhizae, fungi, bacteria, etc. which improves soil fertility and promotes plant growth and resistance to diseases.

## **DESCRIPTION**

Omex BioHumate is a dark brown - black liquid containing 16-17% Humic acids. Humic substances are produced by the microbial degradation of ancient dead plant matter such as lignin and coal. Humic acids exist in three main forms; humic acids, fulvic acids and humin.



## Analysis of Omex BioHumate

		Wt/Wt
<b>Humic Acid (m/m)</b>		<b>16.80%</b>
<b>Nitrogen</b>	N	<b>1460 mg/kg</b>
<b>Phosphorous</b>	P	<b>221 mg/kg</b>
<b>Potassium</b>	K	<b>2195 mg/kg</b>
<b>Magnesium</b>	Mg	<b>37 mg/kg</b>
<b>Calcium</b>	Ca	<b>25 mg/kg</b>
<b>Copper</b>	Cu	<b>2.8 mg/kg</b>
<b>Zinc</b>	Zn	<b>4.5 mg/kg</b>
<b>Iron</b>	Fe	<b>1280 mg/kg</b>
<b>Manganese</b>	Mn	<b>0.6 mg/kg</b>
<b>Cobalt</b>	Co	<b>&lt;0.2 mg/kg</b>
<b>Sulphur</b>	S	<b>909 mg/kg</b>
<b>Boron</b>	B	<b>71 mg/kg</b>
<b>Iodine</b>	I	<b>0.3 mg/kg</b>
pH (10% solution)		8.00-12.00
Specific Gravity		1.1-1.3 @ 18°C

## **DIRECTIONS FOR USE:**

Apply directly to the soil at a rate of 5.0 to 10.0L/ha in a water volume of 200-400L water/ha.

