



# TECHNICAL DATA SHEET

## ByoSoil 500

### PRODUCT DESCRIPTION: Soil Salt Binder

**ByoSoil 500** is a proprietary humified soil extract with a package of essential soil microbes included in the formulation. The product works by providing an organic substructure with an extremely high ion exchange capacity that the  $\text{Na}^{++}$  and  $\text{Cl}^-$  ions can bind and be charged neutralized (via an ionic bond). Specialized enzymes and microbes provide the platform for the binding process to be completed to the organic substructure. The biological process is enhanced and accelerated by Byo-Gon biostimulation technology.

### APPLICATION

#### Soil with High Salinity:

Mix one gallon of **ByoSoil 500** with ten gallons of water for the RTU product. Application rates and the number of applications necessary will vary with the severity of the salt conditions. As a rule of thumb, salt levels in excess of 10,000 ppm will require more than one application. Please refer the **ByoSoil 500** Application Chart for specific dosage rates. Once diluted, product must be used within 24 hours. If soil temperature is below 45°F, performance is significantly reduced.

#### Soil with Very Little or no Salinity:

Preventative rates should start at two gallons (mixed with 18 gallons of water) per acre to be applied quarterly.

### TYPICAL PHYSICAL PROPERTIES

➤ Appearance.....	Liquid
➤ Color.....	Dark Brown to Black
➤ Odor.....	Musty to Earthy
➤ Solubility.....	100%
➤ pH Neat.....	7.0-8.0
➤ Density.....	8.8
➤ Boiling Point.....	100°C

### STORAGE AND HANDLING

Ingredients not precisely identified are non-hazardous. Do not ingest. May cause sickness if ingested in large quantities. Prolonged contact with skin may cause slight irritation. Safety glasses and gloves, as a minimum, are recommended when handling. Keep Container closed when not in use. Store product in a dry and cool area. Refer to the **ByoSoil 500** Material Safety Data Sheet (MSDS) for other safety and handling information.

### PACKAGING

**ByoSoil 500** is shipped from the manufacturing facility and regional distribution centers in 5 gallon, 55 gallon and 265 gallon containers. Bulk quantities are available upon request.