

## ByoSoil SaltBind

### PRODUCT DESCRIPTION: Soil Salt Binder

**ByoSoil SaltBind** (patent pending) is a proprietary humified soil extract with the nine 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). The carbon chain then becomes a food supply for the natural soil and product's adjunct microbes, which over time dissipates the salts. Special enzymes significantly increase the degradation process by facilitating the transfer and uptake of nutrient by the microbial population. The biological process is enhanced and accelerated by Byo-Gon PX-109 biostimulation technology.

### APPLICATION - BENEFITS

This product was designed specifically for **Agricultural** applications. It has the following benefits;

- Bonds and eliminates salt (sodium & chloride) ions up to **1000 ppm**.
- Detoxifies the soil from the full spectrum of accumulated toxins associated with conventional fertilizers and regular chemical products.
- Increases plant beneficial microbes within the soil
- Serves as an effective chelating agent, magnifying the availability of vital plant nutrients, including nitrogen, calcium, phosphorus, potassium and trace minerals.
- Increases nutrient and water storage through more efficient cellular uptake
- Improve organic soil structure through humic acid technology
- Reduces disease pressure via beneficial microbial activity that breaks down both carbohydrates and protein components of harmful bacteria and disease pathogens.
- Contains food grade ingredients that are safe for use around animals, fish and humans

Dosage rates should start at two (2) gallons (mixed with at least 20 gallons of water) per acre to be applied bi-yearly. The salt binding will occur after the first application. Subsequent applications provide the additional benefits listed above.

### TYPICAL PHYSICAL PROPERTIES

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|----------------------|---------------------|
| ➤ Appearance.....    | Liquid              |
| ➤ Color.....         | Dark Brown to Black |
| ➤ Odor.....          | Musty to Earthy     |
| ➤ Solubility.....    | 100%                |
| ➤ pH Neat.....       | 7.0-8.0             |
| ➤ Density.....       | 8.8 #/gal           |
| ➤ 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 SaltBind** Material Safety Data Sheet (MSDS) for other safety and handling information.

### PACKAGING

**ByoSoil SaltBind** is shipped from the manufacturing facility and regional distribution centers in 5 gallon, 55 gallon and 275 gallon containers. Bulk quantities are available upon request.