



TECHNICAL DATA SHEET

ByoSoil 100

PRODUCT OVERVIEW/DESCRIPTION: Soil Conditioner-Nutrient Supplement

Soil quality continues to degrade over many parts of the country. Various additives have depleted the natural microbial population, which are necessary to process nutrients (N-P-K) in order for them to be available for uptake into plants and crops. As a result, overuse of conventional fertilizers occurs, which causes other soil issues such as salt and phosphate build-up, not to mention the added cost.

ByoSoil 100 (patent pending) is a blend of a number of unique components designed to correct soil problems and provide basic nutrient requirements of plants and crops. The primary ingredients include the following;

- A proprietary humic acid extract
- A blend of essential soil microbes
- Blend of N-P-K Nutrients
- Byo-Gon patented microbial biostimulant

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

- 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

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 100** Material Safety Data Sheet (MSDS) for other safety and handling information.

USE RECOMMENDATIONS

The optimum use of the product is as a seed starter for crops such as corn, alfalfa, wheat, soybeans and small grains such as rye and oats. It should be applied at a rate of 64 oz per acre in a minimum of 15 gallons of chlorine-free water. It can be applied to the soil as a spray or cut into the soil during seeding. Finally, it should not be applied with fungicides. Use of this product at this stage provides for;

- Earlier root system vigor, mass and penetration
- Faster and a higher percentage of seed germination
- Stronger plant emergence
- Improved resistance to disease and insect stress

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

PACKAGING

ByoSoil 100 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.