

# ByoGrow NPK

## PRODUCT DESCRIPTION

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### Soil Conditioner

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) to be available for plants and crops uptake. As a result, overuse of conventional fertilizers occurs causing other soil issues such as salt and phosphate build-up, and added cost.

BYOGROW is a blend of a number of unique components designed to correct soil problems and provide basic nutrient requirements of plants and crops. It is designed to be used to free up bound nutrients or to be used in conjunction with current nutrient programs. The primary ingredients include the following:

- A proprietary humic acid extract
- A blend of essential soil microbes
- Byo-Gon's patented microbial accelerant
- Natural adjunct

## APPLICATION—BENEFITS

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This product was designed specifically for Agricultural and Home Garden applications. Benefits include:

- Detoxifies the soil from the full spectrum of accumulated toxins associated with fertilizers and regular chemical products
- Increases nutrient and water storage through more efficient cellular uptake
- Serves as an effective chelating agent, magnifying the availability of vital plant nutrients, including nitrogen, calcium, phosphorus, potassium and trace minerals
- Improve the natural organic soil structure through humic acid technology
- Increases plant beneficial microbes in the soil
- Reduces disease pressure through beneficial microbial activity to break down both carbohydrates and protein components of harmful bacteria and disease pathogens

## USE RECOMMENDATIONS

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The optimum use of the product is as a seed starter or early in the growth cycle for crops such as corn, alfalfa, wheat, soybeans and small grains such as rye and oats and most fruits. It should be applied at a rate of 64 oz per acre in a minimum of 15 gallons of chlorine-free water (see application guide for specific crop recommendations). It can be applied to the soil as a spray or cut into the soil during seeding. It should not be applied with fungicides. This product promotes:

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

## TYPICAL PHYSICAL PROPERTIES

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|--------------------|---------------------|-----------------------------|-------------------------|
| • Appearance ..... | Liquid              | • Solubility in water ..... | 100%                    |
| • Color .....      | Dark Brown to Black | • pH Neat .....             | 7.0-8.0                 |
| • Odor .....       | Musty to Earthy     | • Density .....             | 8.8 lbs/gal (1.05 kg/L) |

## STORAGE AND HANDLING

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Ingredients not precisely identified are non-hazardous. Do not ingest. May cause sickness if ingested in large quantities. Prolonged contact with skin may cause 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. See Safety Data Sheet (SDS).

## PACKAGING

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Shipped from the manufacturing facility and regional distribution centers in 5 gallon, 55 gallon and 265 gallon containers. Bulk quantities are available upon request.