



MaxGrow[®] Tech Sheet

MaxGrow fertilizer additive is a biological stimulant created to promote multiple aspects of plant growth and soil quality. As a result we experience vigorous germination, strong growth, improved nutrient availability and enhanced soil ecology.

How it works:

MaxGrow is a safe and effective combination of biological products that stimulate crop production with active enzymes, live beneficial organisms, organic acids and simple carbohydrates. Essential soil nutrients are more easily recovered by the crop and soil conditions and biological activity are improved while root growth is enhanced.

Components:

Humic Acid Extracts and Organic Acids in MaxGrow form chelates with the trace minerals essential for healthy growth. Consequently, these metal chelates are more readily mobilized for plant absorption. The simple carbohydrates in the formulation stimulate both plant growth and microbial activity for an immediate impact in the field.

Living Bacteria: Bacillus, Lactobacillus and Pseudomonas deliver a constant supply of beneficial enzymes. Amylase converts starch into simple sugars for immediate use by plants and soil organisms. Cellulase breaks down the cellulose in persistent crop residue improving the soil texture while Xylase weakens any woody material remaining. In addition, the enzymes produced by the soil fungus Trichoderma enhance the breakdown of plant residues.

Mycorrhizal Fungi: MaxGrow also incorporates a suite of Mycorrhizal fungi capable of forming a symbiosis with the roots of a variety of crops. These beneficial associations of plant root and fungal Mycelium form a fine and extensive network in the soil to capture soil minerals and deliver them to the plant.

MaxGrow stimulates the production and development of an active soil-plant ecosystem. The beneficial microbes, enzymes, chelated nutrients and Mycorrhizal networks all help to provide a healthy, productive ecosystem.

