

ByoSoil 100 Soil Conditioner



Upstate New York, USA

Increased corn growth and pumpkin maturation rate

A farm in northern New York utilized ByoSoil 100 to increase corn growth and pumpkin maturation rates.

Basis of Treatment

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 a proprietary humic acid extract, a blend of N-P-K nutrients, essential soil microbes, and a proprietary microbial biostimulant.

The product is scientifically designed to restore and maintain naturally beneficial microbial colonies in multiple soil environments. ByoSoil 100 is engineered with nine enhanced plant beneficial soil microbes and is assimilated by plants on a cellular level. This advanced formulas increases natural biological activity, detoxifies soil from contaminants, accelerates root development for critical nutrient storage, protects against pathogenic diseases, and transports valuable nutrients from the soil into the cell membrane of the plant.

ByoSoil 100 contains an advanced biostimulant, alkaloid compound that is derived from plant extracts, primarily aloe vera and kelp. This patented component provides for microbial stimulation that functions at a sub-enzymatic level – naturally increasing biological activity and facilitating beneficial microbial outcomes.

Treatment

Approximately 50% of a corn maze used for fall harvest activities was treated with ByoSoil 100 at one gallon per acre. The corn was sprayed with diluted product when the plants were approximately 3-4 inches high. An adjacent pumpkin patch was treated in a similar fashion with one gallon per acre shortly after planting.

Results in the corn maze indicated increased corn growth rates were sustained in the treated portion of the fields. Representative samples of corn stalks were evaluated and treated stalks circumference was measured at 5.25 inches compared to 3.5 inches for untreated. Additionally, most of the sampled stalks from the treated areas were 1.5 to 2.0 feet higher than untreated with some stalks having three ears of corn compared to untreated stalks with two.

Pumpkins in the treated areas were ripe for market on August 5, approximately one month before untreated pumpkins. Most pumpkin stalks in the treated areas had more and larger pumpkins than untreated areas.