

**Ontario, Canada***Increased alfalfa yield during drought conditions*

An alfalfa field in Ontario was treated during drought conditions to increase yield and sustain performance.

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 Byo-Gon – 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 (4% v/v) (Byo-Gon) 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

A 15 acre test plot was treated with ByoSoil 100 to compare against a 45 acre conventional plot of land in Ontario. The conventional plot was treated with 175 pounds/acre of 32-0-0 fertilizer. ByoSoil 100 was added to the test plot at a rate of 64 ounces per acre. At the time of treatment were near drought conditions were prevalent.

The test plot yield increased 7% with ByoSoil 100 treatment compared to the conventional plot yield which fell 32%.