

ByoSoil 100 Soil Conditioner



Utah, USA

Increased alfalfa protein levels

An alfalfa field in Utah was treated during drought conditions to increase protein levels.

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, 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

An entire field of alfalfa was treated in Utah at a dosage of 64 ounces per acre through a pivot sprayer. Plant quality parameters were tested to determine the impact of this treatment.

Results indicated crude protein levels increased from 19.0 to 23.8%, total fiber went from 31.8 to 27.0%, and relative feed value increased from 165.78 to 199.35.