

## Increased Giant Bermuda Grass Growth in West Texas, USA

A ranch in west Texas used *ByoGrow NPK* on twenty irrigated acres to increase Giant Bermuda grass growth and also realized other benefits of *ByoGrow*.

### Basis of Treatment

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*ByoGrow* products include a unique blend of components designed to correct soil problems and provide basic nutrient requirements of plants and crops. The primary ingredients in *ByoGrow* include a proprietary humic acid extract, essential soil microbes, and a proprietary microbial biostimulant. *ByoGrow NPK* also contains a blend of N-P-K nutrients.

*ByoGrow* is scientifically designed to restore and maintain naturally beneficial microbial colonies in multiple soil environments. *ByoGrow* is engineered with an organic derived extract and nine enhanced plant beneficial soil microbes that are assimilated by plants on a cellular level. This advanced formula 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. *ByoGrow* also contains an advanced biostimulant alkaloid compound derived from plant extracts, primarily aloe vera and kelp. This patented component provides for microbial stimulation that functions at a subenzymatic level – naturally increasing biological activity and facilitating beneficial microbial outcomes.

### Treatment

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The treated acreage was divided into 5 pastures. Approximately 85 head of cattle and 20 head of horses were left to continually graze these pastures. From mid-June to mid-August, *ByoGrow NPK* was applied to each pasture twice.

### Results

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A reduction of animal manure was observed on the ground surface, particularly in the cow pastures. The cattle averaged a 2 lb. a day weight gain. They ate only grass during this time; they consumed no other feed.

The grass maintained a uniform height. In prior years, grass height would widely vary from a few inches high to 12-14 inches high. This made the pastures look like it had “hills”.

After treatment, the grass grew even where it had not grown before. These areas included the ground around stock water overflows, in areas of poor drainage where water would stand from irrigation, and in areas where animals had high traffic.

### Summary

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*ByoGrow NPK* increased Giant Bermuda grass growth and the farmer realized other benefits of using *ByoGrow* products.