

BiOWiSH® Crop

Corn Production University of Florida, USA

Background

BiOWiSH Technologies performed field trials in conjunction with a US fertilizer distributor and the University of Florida's Institute of Food and Agricultural Sciences to evaluate the BiOWiSH® technology as a replacement for traditionally used NPK fertilizers.

The United Nations projects food production needs to increase by as much as 100% by 2050 in order to meet growing demand. Research and field studies have proven that, when combined with traditional fertilizer, BiOWiSH® technology increases crop production.

Objectives

The primary goal of BiOWiSH® Technologies and our partners is to increase crop production globally to meet food production needs, while developing sustainable best management practices and positively impacting food prices around the world. One must consider both the amount of food required for future generations and the environmental impact of high production farming.

Solution

BiOWiSH® Crop is a blend of urea, ammonium phosphate, potassium chloride and the BiOWiSH® technology. Because BiOWiSH® Crop increases yields, it can help farmers globally increase production and achieve self-sufficiency. BiOWiSH® agronomy products increase nutrient uptake in plants, improve plant vigor, and stimulate microbial activity in the soil, resulting in higher crop production.



BiOWiSH® Crop



- Improves crop yields
- Increases nutrient availability
- Enhances root development
- Improves plant vigor
- Stimulates microbial activity in the soil
- Improves soil productivity

Available Sizes

- 100g/3.5oz
- 1kg/2.2lbs
- 5kg/11lbs
- 10kg/22lbs

Implementation Program

The BiOWiSH® Crop was added at the best management application rates for the crop in the region. The control plot was treated with a blend of urea, ammonium phosphate, and potassium chloride without the BiOWiSH® technology. The trial had four replicates for each treatment. The trial was completed by an independent third party university in the United States, University of Florida's Institute of Food and Agricultural Sciences.

Results

Measurement	Control	Treated	% Difference
Plant Height	63.15	78.03	19.07%
Ear Weight	136.80	176.53	22.50%
Plant Weight	0.62	1.01	38.61%



Conclusion

Researchers determined that implementing BiOWiSH® Crop into the fertility program improved plant vigor and enhanced growth and yield performance. They concluded that BiOWiSH® Crop can be used to increase growers' profits.



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