



2012 AgroVantage Plot Results

Location: Hancock, IA

Corn Test Plot

Amplify-D Seed Treatment

	Check	Amplify-D	Advantage
Yield, BPA	56 bpa	71 bpa	15 bpa
Moisture	12%	11%	1 pt.
Stand population/acre (planted at 34,000)	31,000	33,500	2,500 plants/acre
Test Weight	59#	60#	1#

Amplify-D is a seed germination aid based upon the concept of providing an extra source of adenosine mono-phosphate as a seed treatment so that this critical bio-chemical's concentration in the germinating seed does not become low enough to limit the rate of germination and emergence. The resulting increase in uniform rates of germination and emergence produces better plant stands and fewer low vigor plants that fail to produce grain. In this study, a 15 bushel increase was obtained, providing over \$100 returned for a retail investment of about \$4.00!

Feast Fertilizer

	Check	Feast 3-18-18 – In-row 6 gallons	Feast 2-15-19w3S In-row 6 gallons
Yield, BPA	55.5 bpa	61 bpa	64
Moisture %	12%	12%	12%
Test Weight	59	60	60
Advantage bpa		4.5 bpa	8.5 bpa

The Feast starter fertilizer products provide two primary benefits. Number one, they are extremely efficient and effective sources for the essential macro-nutrients N-P-K and S, reducing the need for application of less efficient broadcast applications. Number two, they are made from readily available plant food sources that produce rapid early growth and high vigor plants that are high yielding. In this study the notable difference between the two formulations tested is the sulfur content. Without sulfur (3-18-18) produced a 4.5 bushel increase and with (2-15-19 w 3S) produced an 8.5 bushel increase. This is a good demonstration of the benefits provided by soil testing and avoiding the limiting factors that are indicated!

Feast Fertilizer plus Feast Zinc

	Check	Feast 2-15-19w3S 6 gallons In-row	Feast 2-15-19w3S 6 gallons, Feast Zinc 1 pt. In-row
Yield, BPA	55.5 bpa	64	70
Moisture %	12%	12%	11%
Test Weight	59	60	60
Advantage bpa		8.5 bpa	14.5 bpa

The Feast chelated micro and secondary nutrient products are extremely efficient and effective sources for the essential micro and secondary-nutrients. They are designed to be added to the Feast N-P-K products for co-application in either in-row (boron can never be applied with in-row starter fertilizer applications) or foliar applications. In this study including 1 pint of Feast 9% Chelated Zinc produced a 6 BPA yield increase! A \$40.00 plus increase for an investment of about \$3.00. Again, a good demonstration of the benefits provided by soil testing and avoiding the limiting factors that are indicated!

Feast Fertilizer plus Feast Zinc and Manganese

	Check	Feast 2-15-19w3S 6 gallons In-row	Feast 2-15-19w3S 6 gallons, Feast Zinc 1 pt., Feast Manganese 1 pt. In-row
Yield, BPA	55.5 bpa	64	71
Moisture %	12%	12%	12%
Test Weight	59	60	60
Advantage bpa		8.5 bpa	15.5 bpa

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AgroVantage System

	Check	AgroVantage System Feast 2-15-19w3S 6 gallons, Feast Zinc 1 pt., Feast Manganese 1 pt., Soil X-CYTO 10 oz., Amplify-D In-row
Yield, BPA	55.5 bpa	86
Moisture %	12%	12%
Test Weight	59	62
Advantage bpa		30.5 bpa

The AgroVantage System is a combination of products and services designed to produce optimum yields efficiently. The products include seed treatments, starter and foliar fertilizers, secondary and micro-nutrients, nitrogen stabilizers, inoculants, spray adjuvants and plant growth regulators. Services include soil and tissue analysis and recommendations, agronomic training, field day, event and networking opportunities. Top producers including numerous national corn yield contest winners from across the country turn to the AgroVantage System for ideas and products that add extra bushels to their yields. In this situation which was severely effected by drought the “System” produced a 35 percent increase in grain yield!