2012 AgroVantage Plot Results

Location: Clarkfield, MN

Corn Test Plot

Starter Fertilizer Comparison (all @ 5 GPA)

	Check	Nachur's 6-24-6	10-34-0	Hefty 9-18-9	Tom's 9-18-9w1S	Feast 9-18-9
Yield, BPA	162.5 bpa	163 bpa	171 bpa	172 bpa	175.1 bpa	182 bpa
Moisture %	19.6%	18.4%	19.9%	18.5%	18.2%	18.4%
Test weight, lbs.	58.1 lbs.	60.3 lbs.	59.3 lbs.	60.1 lbs.	61.2 lbs.	61.2 lbs.
Yield Advantage vs Check		+0.5 bpa	+8.5 bpa	+9.5 bpa	+12.6 bpa	+19.5 bpa

Does fertilizer quality really matter? In this study, all fertilizers produced a positive yield response. The Feast 9-18-9 produced nearly a 7 bushel yield response over the next highest yielding fertilizer, a significantly better economic result.

What is the take home message from this study? Starter fertilizers that are high quality support optimum crop performance.

10-34-0 with Feast Side-Kick

	10-34-0	10-34-0 + Side-Kick 0.5 gallon	Advantage
Yield, BPA	171 bpa	180.5 bpa	+9.5 bpa
Moisture %	19.9%	19.7%	-0.9 pts.
Test weight, lbs	59.3 lbs.	59 lbs.	-0.7 lbs.

Conklin's Feast Side-Kick, a 0-0-25-17S formulation provides a great way to balance commodity materials like 10-34-0 by providing a source of highly available potash. Side-Kick is also a good source of sulfur that is safe to apply in contact with the seed in-furrow. This potent combination produced a tremendous yield increase in this study; about $66.00 extra income for less than a $4.00 investment.

Feast Fertilizer Comparison

	Check	**Feast** 9-18-9 – 5 gpa	**AgroVantage System** 3-18-18 – 5 gpa, Side-Kick – 1 gpa, Feast Zn – 1 quart, Feast Mn – 1 pint, Soil X-CYTO – 10 oz.
Yield, BPA	162.5 bpa	182 bpa	189.3 bpa
Moisture %	19.6%	18.4%	18.1%
Test weight, lbs.	58.1 lbs.	61.2 lbs.	62.9 lbs.
		+19.5 bpa	+26.8 bpa

A major aspect of the AgroVantage System's approach to efficiently providing plant food is the application of fertilizers in-furrow. In this study the combination a of plant foods including Conklin's micronutrients as recommended by soil analysis produced over an additional 7 bushel yield over starter fertilizer along.

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