



## 2012 AgroVantage Plot Results

### Location: Sauk Centre, MN

#### Corn Test Plot

##### Starter Fertilizer Comparison (all @ 5 GPA)

	10-34-0	Feast 9-18-9	Feast 3-18-18
Yield, BPA	101 bpa	104.1 bpa	112 bpa
Moisture %	20.6%	20.2%	19.8%
Test weight, lbs.	52.5 lbs.	54.9 lbs.	52.9 lbs.
Yield Advantage vs 10-34-0		3.1 bpa	11 bpa

Does having a balanced N-P-K starter make a difference? In this study it did and similar results have been observed in a number of university trials. The high quality Feast starter fertilizers typically outperform commodity material like 10-34-0. In this study there appears to be a trend of increasing yield as the level of potash supplied increases. Whatever the reason, Feast products produced between \$20.00 and \$75.00 extra per acre in this study.

##### 10-34-0 with Feast Side-Kick

	10-34-0	10-34-0 + Side-Kick	Advantage
Yield, BPA	101 bpa	118.8 bpa	17.8 bpa
Moisture %	20.6%	19.7%	-0.9 pts.
Test weight, lbs	52.5 lbs.	51.8 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 \$125.00 extra income for a \$6.55 investment.

Sauk Centre, MN Plot Data Continued

**9-18-9 Starter Fertilizer Comparison**

	Competition #3 (St. Paul)	Competition #2 (CBFII)	Competition #1 (CBF)	Feast 9-18-9
Yield, BPA	134.6 bpa	140.1 bpa	143.8 bpa	145.2 bpa
Moisture %	19.7%	18.6%	18.9%	18.8%
Test weight, lbs.	54.1 lbs	55.2 lbs	56.1 lbs.	55.6 lbs.
Yield Advantage				1.4 to 10.6 bpa

AgroVantage regional plots provide opportunities for growers to observe competitive starter fertilizers in action, side by side. In this comparison it is clear that all starters do not perform equally!

**Feast Manganese Comparison**

	Check	Feast Manganese	Advantage
Yield, BPA	124.5 bpa	134.6 bpa	10.1 bpa
Moisture %	20.8%	19.9%	-0.9
Test weight, lbs.	52 lbs.	53.2 lbs	+1.2 lbs.

While micro-nutrients are required in relatively small quantities by the plant they can produce big differences in a crops success or failure. In this study including manganese produced an extra \$70.00 of income, for an investment of \$3.00 - \$6.00. Feast 6% Chelated Manganese can be applied in-row with starter fertilizer as it was in this study or applied in foliar applications in combination with herbicides.