



## 2013 AgroVantage Plot Results

### Location: Axtell, KS

#### Corn Test Plot

Planted June 15, 2013

#### Fertilizer Comparison

	<b>10-34-0</b> 5 gal. per acre UAN 28% 46 gal./acre Guardian <sup>®</sup> DL 31-0-0 1 quart/acre Feast <sup>®</sup> Boron 2 pints/acre	<b>Feast 8-16-11w2S</b> 5 gal./acre UAN 28% 46 gal./acre Guardian <sup>®</sup> DL 31-0-0 1 quart/acre Feast <sup>®</sup> Boron 2 pints/acre
Yield, BPA	189.9	192.3
Cost per acre	\$115.24	\$124.39
Yield Advantage		+ 2.4 bpa
Increased profit per acre*		\$ 9.36

\* Based on \$4.00 corn

Does it matter what starter fertilizer you use? This plot shows the difference that Feast 8-16-11-2S had over a commonly used 10-34-0 starter fertilizer. The low salt, clear, food quality Feast fertilizer made a 2.4 bushel increase and over \$9.00/A boost to the bottom line.

#### Nitrogen Source Comparison

	<b>Anhydrous</b> 164 lbs./acre In-row/acre Feast <sup>®</sup> 9-18-9 5 gal. Side-Kick <sup>®</sup> 0.5 gal. Feast Zn 1 pint	<b>UAN 28%</b> 46 gal./acre In-row/acre Feast <sup>®</sup> 9-18-9 5 gal. Side-Kick <sup>®</sup> 0.5 gal. Feast Zn 1 pint
Yield, BPA	178.54	191.14
Cost per acre	\$102.25	\$113.35
Yield Advantage		+12.6 bpa
Increased profit per acre*		+ \$39.30

\*Based on \$4.00 corn

Does the cheapest Nitrogen source give the greater return? In this example, even though UAN 28% cost more per acre it showed more than 12.5 bushel per acre increase in yield.

**Nitrogen source with Guardian® Slow Release Nitrogen**

	<b>Anhydrous</b> 164 lbs./acre In-row/acre Feast 8-16-11w2S 5 gal. Feast Zn 1 pint Feast Mn 1 pint 2X2 Feast Boron 2 pints Broadcast Wex 1 quart Seed Treatment Amplify-D	<b>UAN 28%</b> 46 gal./acre w/ Guardian® DL 31-0-0 1.5 quarts/acre In-row/acre Feast 8-16-11w2S 5 gal. Feast Zn 1 pint Feast Mn 1 pint 2X2 Feast Boron 2 pints Broadcast Wex 1 quart Seed Treatment Amplify-D
Yield BPA	168.6	202.8
Cost per acre	\$113.66	\$132.46
Yield Advantage		+ 34.2
Increased Profit per acre*		+ 137.12

\*Based on \$4.00 corn

Guardian is a slow release Nitrogen source that uses DCD (dicyandiamide) as a nitrogen stabilizer to keep Nitrogen in the ammonium form longer, so that it is available to the plant for a longer period of time. In this wet spring, where the potential for Nitrogen leaching was very high, the Guardian gave a tremendous yield increase of over 34 bushels per acre!