



# Nebraska On-Farm Research Network

<b>Years:</b>	2011
<b>Title:</b>	Planter Metering Units
<b>Crop:</b>	Corn
<b>Study ID:</b>	039155201102
<b>County:</b>	Saunders
<b>Objective:</b>	To determine & document the influence of the seed metering unit on producing corn.
<b>Treatments:</b>	JD Pro 40 vs Precision

## Nebraska Soybean & Feed Grains Profitability Project



Extension is a Division of the Institute of Agriculture and Natural Resources at the University of Nebraska-Lincoln cooperating with the Counties and the United States Department of Agriculture.

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## Results: 2011

Variable	Corn-NI (GH 9138 3000GT)	JD Pro 40	Precision	<u>Prob &gt;/T/</u>
Yield, bu/ac @ 15.5%	199	194	0.0048 ***	
Moisture, %	16.2	16.1	0.8496 ns	
Cost/ac	---	\$0.50		
Planting Date: 4/25/11		Harvesting Date: 10/24/11		

**Summary:** This location showed a statistically significant higher yield in favor of the JD Pro 40 unit. See Note regarding 2% sprocket difference.

**Note:** After additional investigation on the yield difference between the two meters. It was determined that the Precision meters were planting 2% less population and that may be a contributing factor to the negative yield difference between the meters. The reason for the 2% population difference was due to the need to equalize the precision meters, which are 30 cell plate, and the JD meters which are 40 cell plates. The precision meters speed was increased to get the same population as the JD Pro 40 meters and the closest combination of sprockets still resulted in 2% difference.

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