NSFGPP Nebraska Soybean & Feed Grains Profitability Project

On-Farm Comparison Results

- ELLERMEIER

Year: **1999-2000**

Title: **Planter Speed Impact on Yield**

Crop: **Corn**

NSFGPP Operator: **Dean Ellermeier, Dodge County**

Private Industry Cooperator: **Mike Williams**

Objective: **To determine and document the effect of planter speed on yield and profitability of producing corn**

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Treatments: **Plant corn at 3.0, 4.5, and 6.0 miles/hour**

Results:

	Variable	3.0	4.5	6.0	Prob >F
1999	Yield , bu/ac at 15.5%	183	184	171***	0.0106**
	Moisture, %	17.4	17.7	17.5	0.50 ns
	Test Wt., lbs/bu	59.6*	59.2	59.2	0.13 ns
2000	Yield , bu/ac at 15.5%	132	133	127***	0.0022**

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Summary: **In 1999, grain yield was significantly lower where corn was planted at 6 miles per hour. Since plant population was not determined, it is unknown whether yield loss is due to lower population, poor seed spacing, or some other factor. Grain test weight was slightly higher where corn was planted at 3 miles per hour. In 2000, grain yield was again lower when corn was planted at 6 miles per hour.**