Nebraska On-Farm Research Network

Years: **2001**

Title: **Planting Speed Impact on Crop Yield**

Crop: **Corn**

Study ID: **102023200102**

County: **Butler**

Objective: **To determine and document the effect of planter speed operation using three speeds and two hybrids on the yield and profitability of producing corn**

Treatments: **2001 – Two seed sizes (41.8 and 58.0 lbs/bag Pion. 33B51) and three speeds (4.5, 5.3, & 6.0 mph)**

Nebraska Soybean & Feed Grains Profitability Project

Nebraska On-Farm Research Network

Results: **2001**

Yield, bu/ac at 15.0%

Planter Speed	Seed 41.8 lbs/bag	Seed 58.0 lbs/bag	Mean
4.5 mph	109	106	107
5.3 mph	113	107	110
6.0 mph	106	103	104
Mean	109	106	107

Statistical Analysis: **(Prob >F)**

Planter speed (P)	0.133 ns
Seed Size (S)	0.002**
P x S	0.435 ns

Summary: **In 2001, the difference in grain yield due to planter speed is significant at the 85% level of confidence which suggests 5 mph as the optimum speed. Smaller seed size resulted in slightly higher grain yield. Need plant density values to determine if that is a factor.**