Nebraska On-Farm Research Network

Planter Speed Impact on Grain Yield

Study ID: 055053199901

County: Dodge

OBJECTIVE: To determine and document the effect of planter speed on grain yield and profitability of producing corn.

TREATMENTS: 3.0, 4.5, & 6.0 miles/hr.

RESULTS:

	1999
Grain yield, bu/ac @ 15.5%	
3.0 mph	183
4.5 mph	184
6.0 mph	171***
Grain moisture, %	
3.0 mph	17.4
4.5 mph	17.7
6.0 mph	17.5
Test weight, lbs/bu	
3.0 mph	59.6*
4.5 mph	59.2
6.0 mph	59.2

* significantly different at 90% confidence level
*** significantly different at 99% confidence level

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.**