Nebraska On-Farm Research Network

Narrow vs. Wide Row Corn Spacing

Study ID: 121177199601

Year: 1996

County: Washington

OBJECTIVE: To determine and document the profitability of wide versus narrow rows in corn.

Treatment:	18" ROWS	36" ROWS
Comparative cost (per acre)	Plant (9.08 x 2) $ 18.16	Plant $ 9.08

Population (plants/acre)	
36" Rows	24,800 *
18" Rows	23,400
Moisture (%)	
36" Rows	18.4 **
18" Rows	18.8
Test Weight (pounds/bushel)	
36" Rows	53.9 ***
18" Rows	53.1
Yield (bushel/acre @ 15.5%)	
36" Rows	116
18" Rows	100

* significantly different at 90% confidence level
** significantly different at 95% confidence level
*** significantly different at 99% confidence level

Summary: In 1996, yield difference was not significant at 90% confidence level. Population and test weight were slightly higher and moisture lower with wide rows.

Nebraska Soybean & Feed Grains Profitability Project