

Nebraska Soybean & Feed Grains Profitability Project

Year: 2003-2004

Title: Narrow Row Corn Production

Crop: Corn

NSFGPP Operator: Rod Chvatal, Saunders County

Private Industry Cooperator: Jeff Meduna

Objective: To determine and document the effect of narrow rows on the profitability of irrigated corn production.

Treatments: 30" rows vs. 15" rows.

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Results: 2003 (Pioneer 33PG7)

<u>Variable</u>	<u>30"</u>	<u>15"</u>	<u>Prob>/T/</u>
Yield, bu/ac at 15.5%	207	209	0.116 ns
Moisture, %	15.7	16.3	0.003 ***
Cost/ac	\$5.00	\$10.00	

Results: 2004 (GH 9164BT)

<u>Variable</u>	<u>30"</u>	<u>15"</u>	<u>Prob>/T/</u>
Yield, bu/ac at 15.5%	209	201	0.0232 **
Moisture, %	18.0	17.6	0.3381 ns
Test Wt, lbs/bu	55.8	55.7	0.3632 ns
Cost/ac, machinery	\$5.00	\$10.00	
Plant Pop.	(29,500)	(33,000)	

Summary: Row width had no effect on yield; however, grain moisture at harvest was higher with 15" rows in 2003. In 2004, grain yield was lower in 15" rows. There appeared to be more lodging and harvest loss in the narrow rows.