



Nebraska On-Farm Research Network

Years:	2010
Title:	Plant Population Study
Crop:	Corn
Study ID:	027025201001
County:	Cass
Objective:	To determine & document the effect of plant population on the profitability of corn production.
Treatments:	24,000 seeds vs 30,000 seeds

Nebraska Soybean & Feed Grains Profitability Project



Extension is a Division of the Institute of Agriculture and Natural Resources at the University of Nebraska-Lincoln cooperating with the Counties and the United States Department of Agriculture.

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Results: 2010

Corn (Dekalb DKC65-63)

Planting Rate

<u>Variable</u>	<u>24,000</u>	<u>30,000</u>	<u>Prob >/T/</u>
Yield, bu/ac @ 15.5%	152	166	0.0001 ***
Moisture, %	18.5	18.5	1.000 ns
Plants, 1000/ac	22.1	28.3	<0.0001 ***
Cost/ac	\$75.00	\$93.75	

Planting Date: 4/6/10

Harvesting Date: 9/15/10

Summary: The higher plant population resulted in significantly higher grain yield and profit per acre.

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