EXTENSION

Nebraska On-Farm Research Network

Year:	2003
Title:	Non-Irrigated Corn Plant Population
Crop:	Corn
Study ID:	067155200301
County:	Saunders
Objective:	To determine and document the effect of plant population on the profitability of non-irrigated corn production.
Treatments:	Plant one hybrid at three different densities (Low @19,200, Medium @ 21,900, and High @ 24,500 seed per acre).

Nebraska Soybean & Feed Grains Profitability Project

University of Nebraska Lincoln

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	Variable	Low Pop.	Med. Pop.	High Pop.	Prob > F
2003	Yield, bu/ac at 15.5%	138	142	138	0.380 ns
	Moisture, %	14.8	14.7	14.7	0.623 ns
	Test Wt., bu/ac	57.3	57.2	57.3	0.678 ns
	Pop., 1000 plants/ac	18.5	21.0	22.3	0.0001 ***
	Seed Cost/ac (Fontonelle 7886 BT)	$17.76	$20.26	$22.26	

Summary: Grain yields and grain moisture at harvest were not influenced by planting rate in 2003.

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