



# Nebraska On-Farm Research Network

**Year:** 2003

**Title:** Non-Irrigated Corn Plant Population

**Crop:** Corn

**Study ID:** 001155200301

**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 two different densities (2003- Low @ 21,000 and High @ 26,000 seeds/acre)

## 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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	<u>Variable</u>	<u>Low Pop.</u>	<u>High Pop.</u>	<u>Prob &gt;/T/</u>
<b>2003</b>	Yield, bu/ac at 15.5%	148	145	0.424 ns
	Moisture, %	15.9	15.2	0.004 ***
	Test Wt, lbs/bu	56.4	56.3	0.922 ns
	Plants, 1000 /ac	19.5	25.6	<0.0001 ***
	Seed Cost/ac (LGEX60-700BT)	\$21.26	\$26.33	

**Summary:** In 2003, higher planting rate did not affect yield; however, grain moisture was lower at harvest.

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