



Nebraska On-Farm Research Network

Years:

2013

Title:

Plant Population

Crop:

Corn

Study ID:

027025201301

Objective:

To determine and document the effect of plant population on the profitability of corn production.

Treatments:

28k, 32k, 36k, 40k

Row Spacing 30"

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N EXTENSION

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Results: 2013 Corn (Dekalb DKC64-69)

	Yield	Moisture	HPop	Cost
28k	260.6 A	21.5 A	27.0k D	\$108.85
32k	263.3 A	21.5 A	31.2k C	\$124.40
36k	269.7 A	21.5 A	34.9k B	\$139.95
40k	283.6 B	21.5 A	38.3k A	\$155.50
Prob>/T/	0.0003***	ns	ns	

Planted 04/06/2013 at 12-1:30 p.m.—2" Deep—JD 1790 Planter with 5 gal of 10-34-0 in the furrow, 3.4 oz of Capture LFR—Soil Temp was 40 Degrees at 4" Harvested 9/23/2013 -- JD S670 Combine. Otoe County - Missouri River Bottom - Sub-Irrigated.

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SUMMARY:

(2013) The 40K seeds/acre rate had the highest yield as compared to the 28K, 32K and 36K seeds per acre. The increased grain yield covered the increase in seed cost. This site represents a high yielding sub-irrigated growing environment.

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