Nebraska On-Farm Research Network

Years:	2011
Title:	Plant Population
Crop:	Corn
Study ID:	029053201101
County:	Dodge
Objective:	To determine & document the effect on plant population on the profitability of corn production.
Treatments:	24,500 seeds vs 27,000 seeds

Nebraska Soybean & Feed Grains Profitability Project

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Results: 2011	Corn	(Golden Harvest 9416) Planting Rate	
Variable	24,500	27,000	Prob>/T/
Yield, bu/ac @ 15.5%	119	123	0.177 ns
Moisture, %	16.3	16.3	0.6494 ns
Cost/ac	$71.63	$78.30	
Harvest Population	23,668	24,684	

Planting Date: 4/28/2011 Harvesting Date: 10/14/2011

Summary: The yield at 27k population was not statistically significant at the 95% probability level. Note that the spread in harvest population was only 1,000 plants compared to the 2,500 difference in seeding rate. However, the cost of $6.67 for additional seed was completely offset by $24.00 per acre more revenue ($6.00 bu).

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