

Nebraska On-Farm Research Network

Years: 2012
Title: Population
Crop: Corn
Study ID: 046053201201
County: Dodge
Objective: Study effect of various seed populations on corn production and profitability.
Treatments: Population 32k, 36k & 40k

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Information: 2012

Corn

Population 32k, 36k & 40k

Hybrid - Pioneer 1395AM1 - Irrigated

Planted: 4/18/12

Harvest: 9/19/12

Fertilizer

NH3 @ 180lb

Manure (25 Ton) in 4th Year

Prequel @ 1.66 oz

Atrazine 4L @ 1 pt

Abundant (Roundup) @ 32 oz

Atrazine 4L @ 0.5 pt

Realm Q @ 4 oz

AMS @ 1lb

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Results: 2012

		Corn Population	
Treatment	32k	36k	40k
Yield, bu/ac @15.5%	240.1	242.8	243.6
Cost/Acre	---	\$12.51	\$25.02
Prob>/T/ 0.3240 ns	A	A	A
Moisture, %	16.1	16.1	16.0
Prob>/T/ 0.5597 ns	A	A	A

Summary: (2012) There was no statistical yield differences amongst the seeding rates in this study for Pioneer 1395AM1. Economically, the addition of 4000 seeds/acre (assuming \$7/bu corn) did not justify the increase from 36,000 seeds/acre to 40,000 seeds/acre. The 36,000 seeds/acre rate was the most economical seeding rate for this study.

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