

Nebraska On-Farm Research Network

Years: 2012
Title: Population
Crop: Corn
Study ID: 073081201203
County: Hamilton
Objective: Study effect of various seed populations on corn production and profitability.
Treatments: Population 30k, 34k, 38k, & 42k

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Information: 2012

Corn

Population 34k, 38k, 40k & 42k

Roundup @ 16 oz

Glyphosate @ 24 oz

Caprino @ 3 oz

Atrazine

Headline @ 10 oz

Capture @ 8.7 oz

Starter 9-24-3z

Ratchet Aurora

Sugar qt

N-Burndown 32

Sidedress 32

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Results: 2012

Corn-Irrigated Population

Treatment	<u>30k</u>	<u>34k</u>	<u>38k</u>	<u>42k</u>
Yield, bu/ac	230.6	225.9	223	221.9
@ 15.5% Cost/Acre	(-\$12.5)	---	\$12.5	\$25.00
Prob>/T/	0.6777 ns	A	A	A
Moisture, %	15.1	14.7	14.6	14
Prob>/T/	0.0225**	A	AB	AB
Harvest Population	29.3k	33.3k	38.5k	38.5k
Hybrid - Pioneer 33D47				

Planted: 4/25/12

Harvested: 10/8/12

Summary: (2012) In this study with Hybrid Pioneer 33D47, there were no statistical yield differences amongst seeding rates in 2012. A seeding rate of 30,000 seeds/acre maximized yield and economic return in 2012.

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