



Nebraska On-Farm Research Network

Years: 2012
Title: Population
Crop: Corn
Study ID: 073081201201
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

	<u>Corn-Irrigated Population</u>			
Treatment	<u>30k</u>	<u>34k</u>	<u>38k</u>	<u>42k</u>
Yield, bu/ac	243.6	247.7	250.6	248.9
@ 15.5%Cost/Acre	(-\$12.5)	---	\$12.5	\$25.00
Prob>/T/ 0.6844 ns	A	A	A	A
Moisture, %	13.3	13.3	13.0	12.9
Prob>/T/ 0.01387**	A	A	AB	B
Harvest Population	29.5k	33.3k	35k	39.3k
Hybrid - DeKalb 63-87				
Planted: 4/24/12	Harvested: 10/4/12			

Summary: (2012) In this study with Hybrid DeKalb 63-87, there were no statistical yield differences amongst seeding rates in 2012. A seeding rate of 38,000 seeds/acre maximized yield and economic return in 2012 (assuming a \$7/bu corn price).

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