



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

Corn-Irrigated Population

Treatment	30k	34k	38k	42k
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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