Nebraska On-Farm Research Network

Years:	2012
Title:	Population
Crop:	Corn
Study ID:	018177201202
County:	Washington
Objective:	Study effect of various seed populations on corn production and profitability.
Treatments:	Population 24k, 28k, 32k, & 36k

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Information: 2012
Corn
Population 24k, 28k, 32k & 36k
Hybrid Dekalb 59-88 - Rainfed
Planted: 4/25/12 Harvested: 9/11/12

Liquid 28% + Sulfur @ 140 lbs
11-52-00 Fall @ 200 lbs

Fierce @ 3 oz
Atrazine @ 1qt
2-4-D @ 0.5 pt

Roundup PowerMax @ 32 oz
Laudis @ 1.5 oz
AMS

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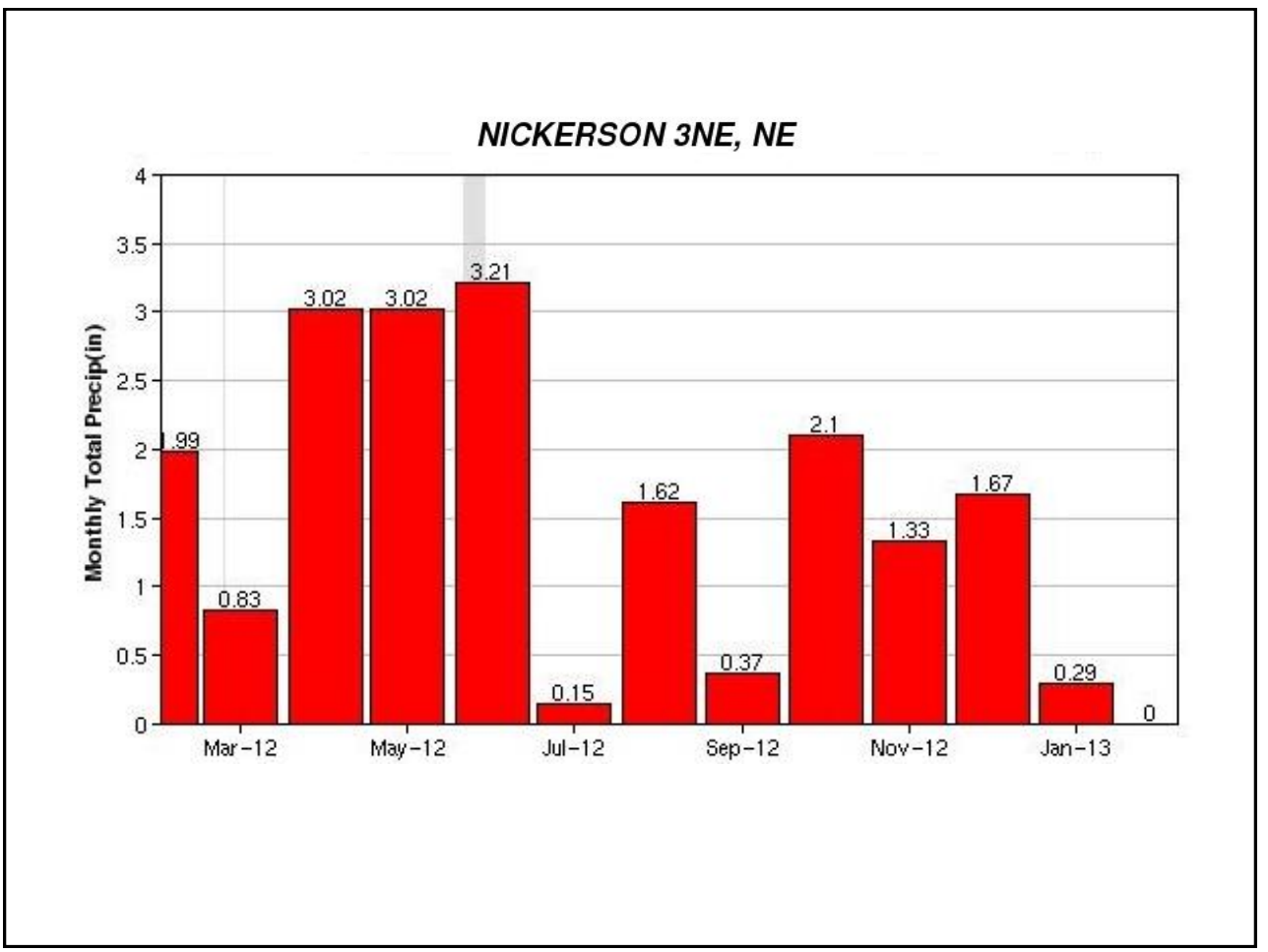

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Results: 2012

	Corn Population			
Treatment	24k	28k	32k	36k
Yield, bu/ac @15.5%	89.7	88.8	85.4	82.6
Cost/Acre	---	$8.45	$16.9	$25.35
Prob>/T/ 0.0001***	A	A	B	C
Moisture, %	13.5	14.3	14.2	14.4
Prob>/T/ 0.0985*	A	A	A	A
Harvest Population	24.4k	27.9k	32.7k	35.7k
Prob>/T/ <0.0001***	D	C	B	A

Summary: (2012) In this study, DeKalb 5988 was planted no-till into soybean residue with around 13.4" of rain received between April 15 and October 15 (according to NE Rain). Increased seeding rates of 32,000 and 36,000 seeds/acre resulted in statistically reduced yields this year. The lowest seeding rate of 24,000 seeds per acre maximized yield and economic return in 2012.

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Extension is a Division of the Institute of Agriculture and Natural Resources at the University of Nebraska–Lincoln cooperating with the Counties and the United States Department of Agriculture.