



Nebraska On-Farm Research Network

High vs. Low Soybean Populations

Study ID: 059025199401

Year: 1994

County: Cass

OBJECTIVE: To determine and document the profitability of high versus low beginning soybean populations.

Herbicide (both treatments): 1.5 pint Command, 1 pint Roundup, 5 ounces Canopy, 2.6 pounds Ammonium Sulfate and 4.7 ounces surfactant.

Treatments	Comparative Cost (per acre)
HIGH POPULATION -- 78 POUNDS/ACRE	seed-\$14.04
LOW POPULATION -- 52 POUNDS/ACRE	seed-\$9.36
(both drilled)	

VARIABLE	RESULTS
Final population (seeds/acre)	
High Population	281,300 ***
Low Population	162,800
Moisture (%)	
High Population	10.5
Low Population	10.4
Test weight (pounds/bushel)	
High Population	47.7
Low Population	48.6
Yield (13 %) (bushels/acre)	
High Population	56
Low Population	56

*** significantly different at 99% confidence level

summary: The high population yield was significantly higher than the low population yield in 1994. Seed expenses have been approximately \$5.00/acre higher for the high population treatment.

Nebraska Soybean & Feed Grains Profitability Project



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