



Nebraska On-Farm Research Network

NARROW ROWS VERSUS WIDE ROWS UNDER IRRIGATION

Study ID: 116155199001

Saunders County

1990

Objective: to determine and document the effect on profitability of narrow rows (18") versus wide rows (36").

TREATMENT

NARROW ROWS

Lime application

Disking

Plowing

Disking: incorporation of 2.5 pints
Commence

Field cultivation

Planting: Hobbit

Irrigation: 3 times

WIDE ROWS

Lime application

Disking

Plowing

Disking: incorporation of 2.5 pints
Commence

Field cultivation

Planting: Hobbit

Cultivation

Irrigation: 3 times

COMPARATIVE COST BUDGET

Field operations:

Planting \$12.23

Equipment cost:

Planter (\$16500)

Comparative cost \$14.19

Field operations:

Planting \$ 9.21
Cultivation 5.37

Equipment cost:

Planter (\$13000)
Row crop cultivator (\$3800)

Comparative cost \$14.58

Nebraska Soybean & Feed Grains Profitability Project



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.

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RESULTS:

Final population	
Narrow row	161000 **
Wide row	119000
Plant height	
Narrow row	26.8" **
Wide row	25.0"
Pod height	
Narrow row	5.9" **
Wide row	5.0"
Moisture	
Narrow row	10.2% **
Wide row	10.1%
Sample weight	
Narrow row	56.7
Wide row	56.8
Yield(13%)	
Narrow row	57.0
Wide row	56.7

* - significantly different at 95% confidence level

** - significantly different at 99% confidence level

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