



Nebraska On-Farm Research Network

NARROW ROWS VERSUS WIDE ROWS UNDER IRRIGATION

Study ID: 116155199201

1992

Saunders County

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

NARROW ROWS

Treatment:

Discing

Field Cultivate

Drill: planting rate of 70 pounds per acre

Rouging

Costs:

Seed	\$9.20
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Operations	\$41.80
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Comparative cost	<u>\$ 51.00</u>
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WIDE ROWS

Treatment:

Discing

Field Cultivation

Planting: planting rate of 70 pounds per acre

Cultivation

Costs:

Seed	\$9.20
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Operations	\$ 47.10
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Comparative cost	<u>\$ 56.30</u>
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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:

Early population	
Narrow row	115000 **
Wide row	167000 **
Final population	
Narrow row	112000 **
Wide row	82000 **
Population loss	
Narrow row	2.4%
Wide row	51.0%
Plant height	
Narrow row	23.2" **
Wide row	25.5" **
Pod height	
Narrow row	6.2"
Wide row	7.1" **
Moisture	
Narrow row	11.1%
Wide row	11.1%
Sample weight	
Narrow row	56.5
Wide row	56.4
Yield(13%)	
Narrow row	44.9 **
Wide row	46.4

* - significantly different at 95 % confidence level

** - significantly different at 99% confidence level

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