



Nebraska On-Farm Research Network

NARROW ROWS VERSUS WIDE ROWS UNDER IRRIGATION

Study ID: 116155199101

Saunders County

1991

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:

Liming

Disc-chiseling

Discing: incorporation of 2.7 pints
Commence

Field cultivation

Planting: planting rate of 70 pounds per
acre

Irrigation

Costs:

Seed \$ 9.10

Operations 54.46

Comparative cost \$ 63.56

WIDE ROWS

Treatment:

Liming

Disc-chiseling

Discing: incorporation of 2.7 pints
Commence

Field cultivation

Planting: planting rate of 61 pounds per
acre

Cultivation

Irrigation

Costs:

Seed \$ 7.93

Operations 58.40

Comparative cost \$ 66.33

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	152000	**	
Wide row	122000		
Final population			
Narrow row	143000	**	
Wide row	97000		
Population loss			
Narrow row	3.3%	**	
Wide row	17.8%		
Plant height			
Narrow row	19.1"		
Wide row	19.1"		
Pod height			
Narrow row	6.2"	**	
Wide row	3.4"		
Moisture			
Narrow row	8.2%	**	
Wide row	8.1%		
Sample weight			
Narrow row	57.4		
Wide row	57.1		
Yield(13%)			
Narrow row	57.3		
Wide row	55.9		

** - significantly different at 99% confidence level

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