



Nebraska On-Farm Research Network

WIDE VERSUS NARROW ROWS WITH TWO VARIETIES

Study ID: 064109199201

1992

Lancaster County

Objective: To determine and document the effect on profitability of the use of two varieties (Stine 3980 and Stine 3940) under two row widths, (7.5" drilled and 30" row spacing planted).

NARROW ROWS

Treatment:

Discing

Discing

Herbicide: 1 quart Treflan, 1 pint Command, .5oz Classic and NIS

Field Cultivation

Drill: Stine 3940 and 3980, planting rate of 70 pounds per acre

Cultivation

Costs:

Seed	\$15.20
Drilling	\$ 8.97
Comparative cost	<u>\$ 24.17</u>

WIDE ROWS

Treatment:

Discing

Discing

Herbicide: 1 quart Treflan, 1 pint Command, .5oz Classic and NIS

Field Cultivation

Planting: Stine 3940 and 3980, planting rate of 55 pounds per acre

Cultivation

Costs:

Seed	\$ 12.10
Planting	\$ 9.08
Comparative cost	<u>\$ 21.18</u>

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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Early population

Narrow 3980	146000	* *
Narrow 3940	163000	* *
Wide 3980	308000	* *
Wide 3940	304000	* *

Pod height

Narrow 3980	5.0"	* *
Narrow 3940	5.0"	* *
Wide 3980	7.0"	* *
Wide 3940	5.0"	* *

Final population

Narrow 3980	199000	* *
Narrow 3940	191000	* *
Wide 3980	132000	* *
Wide 3940	146000	* *

Moisture

Narrow 3980	10.9%	* *
Narrow 3940	10.6%	* *
Wide 3980	10.8%	* *
Wide 3940	10.3%	* *

Population loss

Narrow 3980	
Narrow 3940	
Wide 3980	57.1 %
Wide 3940	51.9%

Sample weight

Narrow 3980	56.8	* *
Narrow 3940	56.4	
Wide 3980	56.4	
Wide 3940	56.2	* *

Plant height

Narrow 3980	32.0"	* *
Narrow 3940	30.0"	* *
Wide 3980	31.0"	* *
Wide 3940	29.0"	* *

Yield

Narrow 3980	52.4	*
Narrow 3940	52.8	
Wide 3980	53.2	
Wide 3940	51.6	

*-significantly different at 95 % confidence level

* * - significantly different at 99% confidence level

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