



Nebraska On-Farm Research Network

Narrow vs. Wide Row

Study ID: 070155199001

County: Saunders

Year: 1990

OBJECTIVE: To determine and document the profitability of narrow (7") versus wide rows (30").

NARROW ROWS

Stalk shredding

Disking: incorporation of herbicides

Field cultivation

Drilling: Asgrow 3127 (30% higher than standard population)

COMPARATIVE COST BUDGET

Soybean seed:

78 pounds Asgrow 3127 \$ 9.10

Field operations:

Drilling \$ 6.97

Equipment cost:

Grain drill (\$7400)

Comparative cost -----
\$16.07

WIDE ROWS

Stalk shredding

Disking: incorporation of herbicides

Field cultivation

Planting: Asgrow 3127 (standard rate)

Cultivation

Soybean seed:

60 pounds Asgrow 3127 \$ 7.00

Field operations:

Planting \$ 9.21
Cultivation 5.37

Equipment cost

Planter (\$13000)

Row crop cultivator (\$3800)

Comparative cost =====
\$21.58

Nebraska Soybean & Feed Grains Profitability Project



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VARIABLE	1990
Early population	
Narrow row	231,000 **
Wide row	123,000
Final population	
Narrow row	202,000 **
Wide row	117,000
Population loss	
Narrow row	17.1% *
Wide row	3.0%
Plant height	
Narrow row	35.0" *
Wide row	33.3"
Pod height	
Narrow row	6.5" **
Wide row	4.4"
Moisture	
Narrow row	9.3%
Wide row	9.3%
Test weight	
Narrow row	57.2 **
Wide row	56.7
Yield (13 %)	
Narrow row	25.5 **
Wide row	31.4

* significantly different at 95% confidence level

** significantly different at 99% confidence level

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