Nebraska On-Farm Research Network

Wide vs. Narrow Soybean Rows

Study ID: 064109199401
Lancaster County

OBJECTIVE: To determine and document the profitability of wide (30 inches) versus narrow (7.5 inches) soybean rows.

NARROW ROWS (Drill 7.5 inches)

Treatment:

Herbicide: .375 gallon Prowl, .094 gallon Command, .438 pound Canopy, .25 gallon 2,4-D and .173 gallon Roundup

Drill: Stine 3260, planting rate of 69 pounds per acre

Harvest

Comparative cost (per acre)

Seed	$17.04
Drilling	$ 8.97
Total	$26.01

WIDE ROWS (Plant 30 inches)

Treatment:

Herbicide: .375 gallon Prowl, .094 gallon Command, .438 pound Canopy, .25 gallon 2,4-D and .173 gallon Roundup

Plant: Stine 3260, planting rate of 61.50 pounds per acre

Cultivate

Harvest

Comparative cost (per acre)

Seed	$15.19
Planting	$ 9.08
Total	$24.27

Results:

	Moisture	Test weight	Yield (13%)
Drilled 3260	11.7	49.2	59.2 *
Row 3260	11.7	49.6	56.8

* significantly different at 95% confidence level
** significantly different at 99% confidence level
*** significantly different at 90% confidence level

Summary: There was not a significant yield differences between the row and drilled treatments. Only one variety was planted in 1993. Drilled soybean seed costs have been approximately $3.00/acre higher than the planted seed costs. In 1994 there was a significant yield difference at the 90% confidence level.

Nebraska Soybean & Feed Grains Profitability Project