Nebraska On-Farm Research Network

Narrow vs. Wide Row

Study ID: 070155199201

County: Saunders
Year: 1992

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

NARROW ROWS (7")	WIDE ROWS (30")
Treatment:	**Treatment:**
Disk/PPI	Disk/PPI
Field Cultivate	Field Cultivate
Herbicide: 0.33 pints Scepter, 1 pint Prowl and an additional 1 pint Prowl.	Herbicide: 0.33 pints Scepter, 1 pint Prowl and an additional 1 pint Prowl.
Drill: 77 pounds per acre.	Drill: 62 pounds per acre.
Rotary Hoe	Cultivate

Comparative cost (per acre)		Comparative cost (per acre)	
Seed	$13.90	Seed	$11.10
Operations	$42.00	Operations	$43.70
Total	**$55.90**	**Total**	$54.80

Nebraska Soybean & Feed Grains Profitability Project

University of Nebraska Lincoln

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VARIABLE	1992
Early population	
Narrow row	150,000 **
Wide row	92,000 **
Final population	
Narrow row	25,000 **
Wide row	45,000 **
Population loss	
Narrow row	83.3%
Wide row	50.9%
Plant height	
Narrow row	32.9"
Wide row	34.5"
Pod height	
Narrow row	2.8" **
Wide row	2.0" **
Moisture	
Narrow row	11.4% **
Wide row	11.5%
Test weight	
Narrow row	53.1 *
Wide row	52.3 *
Yield (13 %)	
Narrow row	39.7 **
Wide row	31.7

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