



Nebraska On-Farm Research Network

Wide vs. Narrow Grain Sorghum Rows

Study ID: 063155199301

Saunders County

OBJECTIVE: To determine and document the profitability of using of wide versus narrow grain sorghum rows.

WIDE ROWS 30"		NARROW ROWS 14"	
Treatment:		Treatment:	
Field Cultivate		Field Cultivate	
Plant: 7 pounds/acre		Drill: 8 pounds/acre	
Herbicide: 1.8 quarts Bicep and 28% UAN		Herbicide: 1.8 quarts Bicep and 28% UAN	
Harvest		Harvest	
Costs:	<u>1993</u>	Costs:	<u>1993</u>
Seed costs:		Seed costs:	
\$.94 per pound at 7.0 pounds/acre	\$6.58/acre	\$.94 per pound at 8.0 pounds/acre	\$7.52/acre
Planting	\$6.82/acre	Drilling	\$6.75/acre
Comparative cost	\$13.40/acre	Comparative cost	\$14.27/acre

RESULTS:

	Final Population	Moisture	Test weight	Yield (14%)
Wide	62,900 **	17.9% *	57.4	84.1
Narrow	102,500 **	18.2% *	56.9	83.6

* significantly different at 95% confidence level

** significantly different at 99% confidence level

Summary: There was no significant difference in yield between the wide and narrow row treatments. Significant differences were determined in final plant populations and moisture levels. Drilled treatment seed costs were approximately \$1.00/acre higher than the planted treatment seed costs.

Nebraska Soybean & Feed Grains Profitability Project



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