Nebraska On-Farm Research Network

Wide vs. Narrow Grain Sorghum Rows

Study ID: 063155199401

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

WIDE ROWS (30 inches)		NARROW ROWS (14 inches)	
Treatment:		Treatment:	
Field Cultivate		Field Cultivate	
Fertilizer:	Anhydrous ammonia at 120 pounds per acre	Fertilizer:	Anhydrous ammonia at 120 pounds per acre
Herbicide:	1.9 quarts Bicep	Herbicide:	1.9 quarts Bicep
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	

Comparative cost (per acre)		Comparative cost (per acre)	
Seed costs: $1.00 per pound at 7.0 pounds/acre	$ 7.00	Seed costs: $1.00 per pound at 8.0 pounds/acre	$ 8.00
Planting:	$ 6.82	Drilling:	$ 6.75
Total	$13.82	Total	$14.75

RESULTS:

	Final Population	Test weight	Yield (14%)
Wide	12.9%	50.4	95.8
Narrow	12.8%	53.9	98.0

* 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. Drilled treatment seed costs were approximately $1.00/acre higher than the planted treatment seed costs.

Nebraska Soybean & Feed Grains Profitability Project