



Nebraska On-Farm Research Network

Hobbit vs. Keltgin Soybean Varieties Under Two Row Width Strategies

Study ID: 126025199201

Year: 1992

County: Cass

OBJECTIVE: To determine and document the profitability of Hobbit versus Keltgin soybean varieties using a wide (30 inches) versus narrow (7 inches) row planting strategy.

NARROW ROWS

Treatment:

Drill: Hobbit 87 and Keltgin,
74 pounds/acre

Herbicide: 4 ounces Pursuit,
3 pints Prowl and 28% UAN

Harvest

WIDE ROWS

Treatment:

Plant: Hobbit 87 and Keltgin,
70 pounds/acre

Herbicide: 4 ounces Pursuit,
3 pints Prowl and 28% UAN

Harvest

-Comparative cost (per acre)

Seed \$ 9.20

Drilling \$ 8.97

Total \$28.17

Comparative cost (per acre)

Seed \$13.70

Planting \$ 9.08

Total \$22.78

Nebraska Soybean & Feed Grains Profitability Project



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VARIABLE

Final population (seeds/acre)				Moisture continued (%)			
Drilled	Hobbit	157,000 ***	* /1	Mean for Drilled		11.2	
Drilled	Keltgin	171,000		Mean for Planted		11.2	
Planted	Hobbit	193,000		Mean for Hobbit		11.3	
Planted	Keltgin	199,000		Mean for Keltgin		11.1	
Plant height				Test weight (pounds/bushel)			
Drilled	Hobbit	28.7" ***		Drilled Hobbit		56.4	
Drilled	Keltgin	38.8"		Drilled Keltgin		57.1	
Planted	Hobbit	26.4"		Planted Hobbit		56.0	
Planted	Keltgin	38.3"		Planted Keltgin		57.3	
Pod height				Yield (13 %) (bushels/acre)			
Drilled	Hobbit	7.8" ***		Drilled Hobbit		52 **	
Drilled	Keltgin	7.3"		Drilled Keltgin		45	
Planted	Hobbit	8.4"		Planted Hobbit		53	
Planted	Keltgin	7.3"		Planted Keltgin		46	
Moisture (%)				Yield continued (13 %) (bushels/acre)			
Drilled	Hobbit	12.6		Mean for Drilled		48 **	
Drilled	Keltgin	12.2		Mean for Planted		49	
Planted	Hobbit	12.2		Mean for Hobbit		52 *** /1	
Planted	Keltgin	12.0		Mean for Keltgin		46	

*** row spacing significantly different at 99% confidence level

* /1 varieties significantly different at 90% confidence level

** row spacing significantly different at 95 % confidence level

*** /1 varieties significantly different at 99% confidence level

Summary: In 1992, Hobbit had a significantly higher yield than Keltgin 5327 at the 99% confidence level.

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