

## FIELD EXPERIMENT HISTORY

Year: 1995

**Title:** On-Farm Row Spacing Study  
**Personnel:** J.G. Lauer, T. Wood, G. & S. Steiger, S. Fischer  
**Location:** Steiger Bros. Farms; Bloomington, WI

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### FIELD INFORMATION

Field: Wilkinson East Hill Top

Soil Test Results: Date:1993      pH:6.6      P(ppm):30      K(ppm):96      O.M.(%):3.8

Fertilizer Applied: 130 lbs/a total      Analysis: 9-23-30      Time: Planting  
140 lbs/a N      Analysis: 82-0-0      Time: Preplant

Tillage Operations: Spring Soil Finisher

Previous Crop: Soybean

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### EXPERIMENTAL PROCEDURE

Exp. Design: Strip Plots

Reps: 6

Variables: 2 Row Spacings

Plot Size: Planted: 15' (6 rows) by length of field (strip plot) for 30 in. rows  
Planted: 12.67' (4 rows) by length of field (strip plot) for 38 in. rows  
Harvested: 4 rows by length of field (strip plot)  
Row Spacing: 30 in. and 38 in.

Hybrids: Pioneer 3417

Planting: Date: May 12  
Equipment: 30 inch rows: 6-row Case-IH 800 Air Planter  
38 inch rows: 4-row John Deere 7000

Harvesting: Date: Nov. 4  
Equipment: Combine harvested

	<u>Material</u>	<u>Rate</u>	<u>Method</u>
Weed Control:	Lasso	2 qts/a	Preemergence
	Banvel	0.5 pts/a	Post
	Cultivation (1x)		Post

Insecticide: None

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Results: Table E-25.

**Table E-25. On-Farm Row Spacing Study  
Steiger Bros. Farms  
Blomington, WI 1995.**

Row Spacing	Plant Density plants/a	Moist %	Yield bu/a
30	27750	15.3	165.2
38	27583	15.3	154.5
Mean	27667	15.3	159.8
<b>Probability</b>			
Row Spacing (RS)	>50	>50	<0.1
<b>LSD (0.10)</b>			
Row Spacing (RS)	NS	NS	2.0
<b>CV %</b>			
	4.3	1.2	1.1