

# Soybean Seeding Speed Trial

**Trial ID:** 2025-SSS02 – R.M. of Grey

**Objective:** Quantify the agronomic and economic impacts of different seeding speeds on soybean production.

**Summary:** There was no significant yield difference between seeding speeds of 5 mph and 7 mph. There was no significant difference in plant stand, plant spacing uniformity and seeding depth between seeding speeds.

## Trial Information

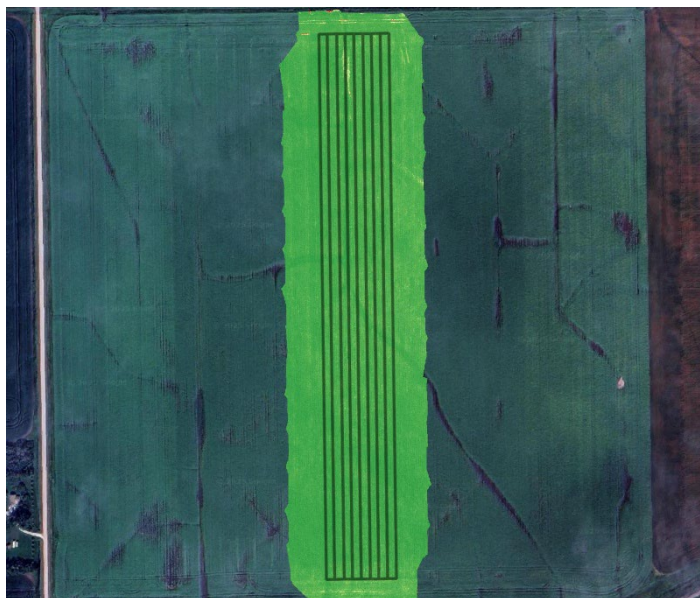
<b>Treatment</b>	5 mph vs. 7 mph
<b>Soil Texture</b>	Clay
<b>Previous Crop</b>	Canola
<b>Tillage</b>	Conventional Tillage
<b>Seeding Equipment</b>	88 ft Planter
<b>Seeding Date</b>	5/1/2025
<b>Variety</b>	DKB006-80
<b>Seeding Rate</b>	170,000 seeds/ac
<b>Row Spacing</b>	22 in.
<b>Harvest Date</b>	9/30/2025

## Plant Establishment and Survivability †

	<b>Establishment at V2</b>	<b>Survivability to R7</b>	<b>Change V2 to R7</b>
<b>5 mph</b>	82%	81%	-1%
<b>7 mph</b>	83%	82%	-1%

† % establishment = plant count at V stages/seeding rate; % survivability = plant count at R stages/seeding rate

## NDVI Field Image August 13



## Precipitation (mm)

	<b>May</b>	<b>June</b>	<b>July</b>	<b>Aug</b>	<b>Total</b>
<b>Rainfall</b>	68.6	28	92.4	80.2	269.2
<b>Normal</b>	68.4	80.86	66.26	57.68	273.2
<b>% Norm</b>	100%	35%	139%	139%	99%

## Plant Stand (plants/ac) †

	<b>V2</b>	<b>R7</b>
<b>5 mph</b>	144,000 A	140,875 A
<b>7 mph</b>	145,125 A	143,750 A

† Columns followed by different letters are significantly different from one another



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### Seeding Depth<sup>†</sup>

	Average Seeding Depth (in.)
5 mph	0.81 A
7 mph	0.78 A

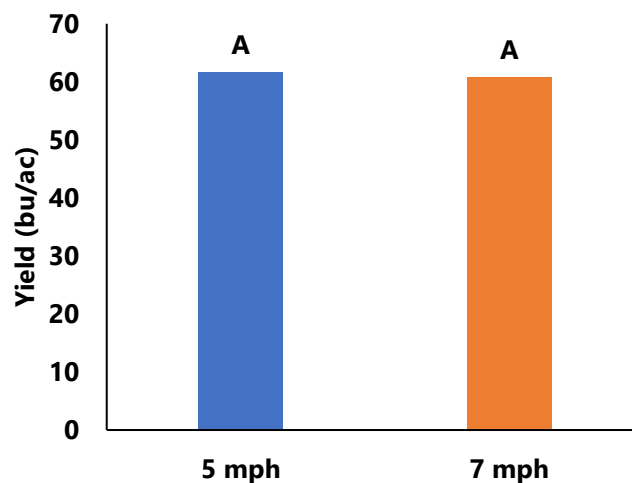
<sup>†</sup> Seeding depths in columns followed by different letters are significantly different from one another

### Plant Spacing Uniformity<sup>†</sup>

	Uniformity (in.)
5 mph	1.98 A
7 mph	2.06 A

<sup>†</sup> Uniformity in columns followed by different letters are significantly different from one another. Uniformity was calculated by taking the standard deviation of plant-to-plant spacing measured in inches during V-stages.

### Yield by Treatment



### Overall Yield & Economics

	Mean (bu/ac)	Change in Profit <sup>†</sup>
5 mph	61.7	n/a
7 mph	60.7	n/a
Yield Difference	-1.0	
P-Value	0.4717	
CV	2.7%	
Significance	No	Economic N/A

<sup>†</sup> The economics of changing seeding speed are not calculated since factors like seeding time per acre and fuel consumption were not fully assessed.