

# Soybean Seeding Speed Trial

**Trial ID:** 2025-SSS01 – R.M. of De Salaberry

**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

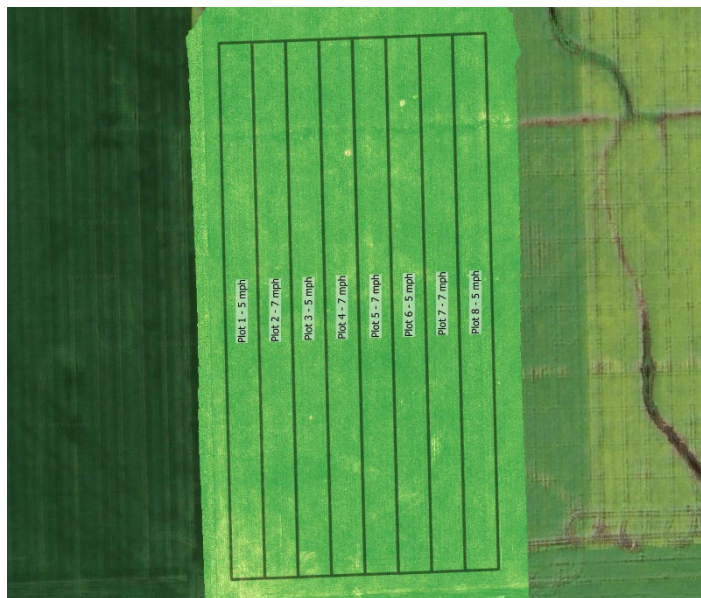
<b>Treatment</b>	5 mph vs. 7 mph
<b>Soil Texture</b>	Clay
<b>Previous Crop</b>	Canola
<b>Tillage</b>	Conventional Tillage
<b>Seeding Equipment</b>	88 ft Planter
<b>Seeding Date</b>	5/1/2025
<b>Variety</b>	DKB006-80
<b>Seeding Rate</b>	170,000 seeds/ac
<b>Row Spacing</b>	22 in.
<b>Harvest Date</b>	9/30/2025

## Plant Establishment and Survivability †

	<b>Establishment at V2</b>	<b>Survivability to R6</b>	<b>Change V2 to R6</b>
<b>5 mph</b>	74%	74%	0%
<b>7 mph</b>	76%	75%	-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>	52	34.6	60.4	58.1	205.1
<b>Normal</b>	74.86	96.12	87.95	80.44	339.37
<b>% Norm</b>	69%	36%	69%	72%	60%

## Plant Stand (plants/ac) †

	<b>V2</b>	<b>R6</b>
<b>5 mph</b>	125,875 A	125,500 A
<b>7 mph</b>	128,500 A	127,250 A

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

## Soybean Seeding Speed Trial

### Seeding Depth †

	Average Seeding Depth (in.)
5 mph	0.97 A
7 mph	0.94 A

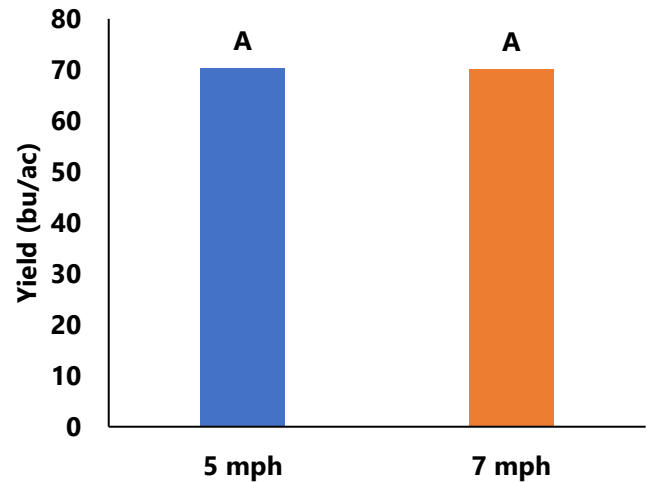
† Seeding depths in columns followed by different letters are significantly different from one another

### Plant Spacing Uniformity †

	Plant Spacing Uniformity (in.)
5 mph	1.73 A
7 mph	2.09 A

† 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 †
5 mph	70.3	n/a
7 mph	70.1	n/a
Yield Difference	-0.2	
P-Value	0.6107	
CV	1%	
Significance	No	Economic N/A

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