



# Canola Seeding Rate Trial

**Trial ID: CSR\_05 – Melita, MB [RM of TWO BORDERS]**

**Objective:** To identify optimal seeding rates based on return on investment.

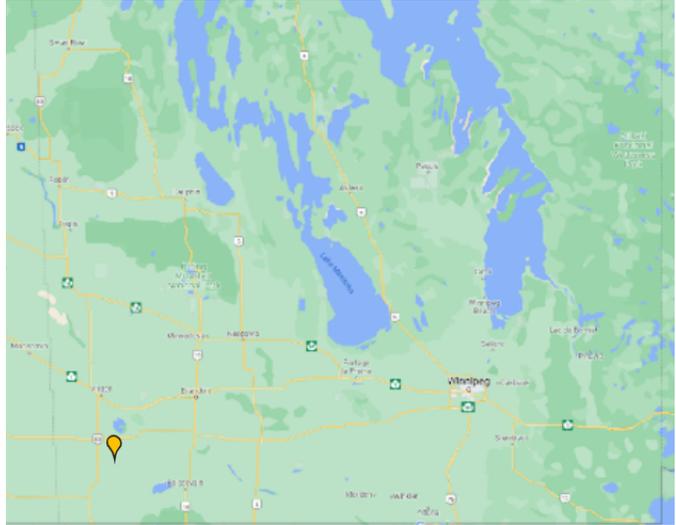
**Summary:** There was no significant yield difference between the reduced seeding rate (75% of standard), the standard rate (100% of standard), and the higher seeding rate (125% of standard).

## Trial Information

- Treatment:**
- **Reduced seeding rate (75%): 3.4 lbs/ac**
  - **Standard seeding rate (100%): 4.6 lbs/ac**
  - **High seeding rate (125%): 5.5 lbs/ac**

<b>Previous Crop</b>	Oats
<b>Seeding</b>	Vaderstadt
<b>Equipment</b>	
<b>Seeding Date</b>	June 3, 2022
<b>TKW</b>	4.7 g/1000 seeds
<b>Seed</b>	Vercoras
<b>Treatment</b>	
<b>Variety</b>	L233
<b>Row Spacing</b>	12 inches
<b>Harvest Date</b>	September 22, 2022

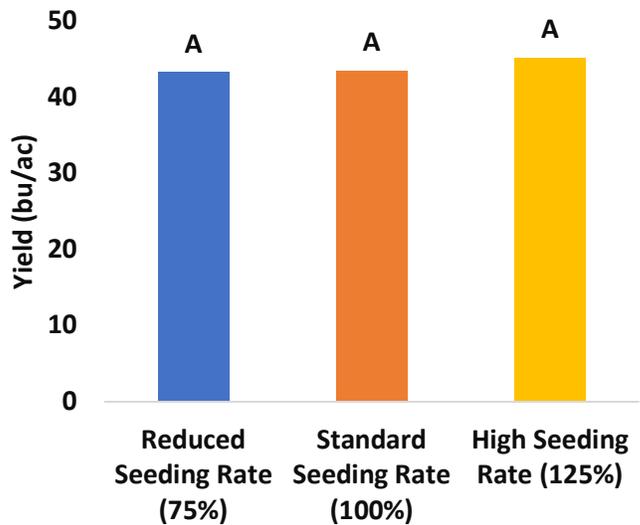
## Location of Trial



## Precipitation (mm)

	Rainfall (mm) (% of average)	Average Daily Temp. (C°)
<b>April</b>	48 (171%)	0
<b>May</b>	84 (153%)	12
<b>June</b>	55 (71%)	17
<b>July</b>	113 (161%)	20
<b>Aug</b>	12 (23%)	17
<b>Sept</b>	33 (89%)	17
<b>Total</b>	345	

## Yield by Treatment





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### Overall Yield & Results

	Seeding Rate (Lbs seed/ac)	Plant Count 4-leaf	Emergence %	Plant Count Maturity	Survival %	Yield (bu/ac)
<b>Reduced (75%)</b>	3.4	8.7 <sup>b</sup>	114 <sup>a</sup>	6.9 <sup>c</sup>	97.5	43.3
<b>Standard (100%)</b>	4.6	8.7 <sup>b</sup>	85 <sup>b</sup>	8.6 <sup>b</sup>	104.9	43.5
<b>High (125%)</b>	5.5	10.8 <sup>a</sup>	89 <sup>c</sup>	9.3 <sup>a</sup>	98.5	45.2
<b>P-Value</b>		<0.0001	0.0003	<0.0001	0.05	0.96
<b>CV</b>		13	15	15	18	6
<b>Significance</b>		<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	<b>No</b>	<b>No</b>



MCGA would like to thank A1 Agronomy for their research support for this trial.