



Canola Seeding Rate Trial

Trial ID: CSR_04 – Westbourne, MB [RM of BROKENHEAD]

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

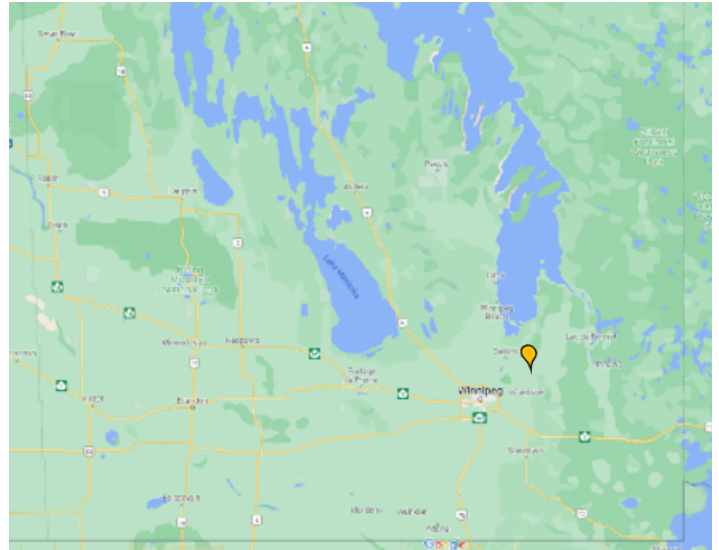
Summary: There was no significant yield difference between the reduced seeding rate (75% of standard), the standard rate (100% of standard), and the higher seeding rate (125% of standard).

Trial Information

- Treatment:**
- **Reduced seeding rate (75%): 2 lbs/ac**
 - **Standard seeding rate (100%): 2.75 lbs/ac**
 - **High seeding rate (125%): 3.5 lbs/ac**

Previous Crop	Corn
Tillage	Fall Salford 2x, spring harrow 1x
Seeding Equipment	Disc drill
Seeding Date	June 7, 2022
Variety	L357P
TKW	4.9 g/1000 seeds
Row Spacing	10 inches
Harvest Date	September 29, 2022

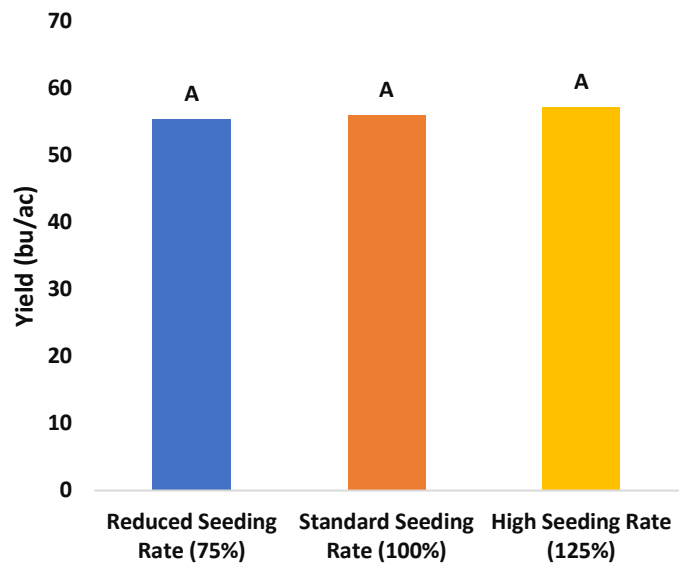
Location of Trial



Precipitation (mm)

	Rainfall (mm) (% of average)	Average Daily Temp. (C°)
April	74 (264%)	-1
May	118 (190%)	11
June	77 (87%)	16
July	67 (86%)	20
Aug	67 (102%)	19
Sept	26 (57%)	14
Total	429	

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)
Reduced (75%)	2	5.1 ^c	120 ^a	5 ^c	97.5	55.5
Standard (100%)	2.75	5.8 ^b	99 ^b	6.1 ^b	104.9	56.1
High (125%)	3.5	7.4 ^a	99 ^b	7.2 ^a	98.5	57.3
P-Value		<0.0001	0.0044	<0.0001	0.61	1
CV		18	13	16	10	2
Significance		Yes	Yes	Yes	No	No



MCGA would like to thank Tone Ag Consulting Ltd. for their research support for this trial.