



Canola Seeding Rate Trial

Trial ID: CSR_01 – Swan River, MB [RM of SWAN VALLEY WEST]

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

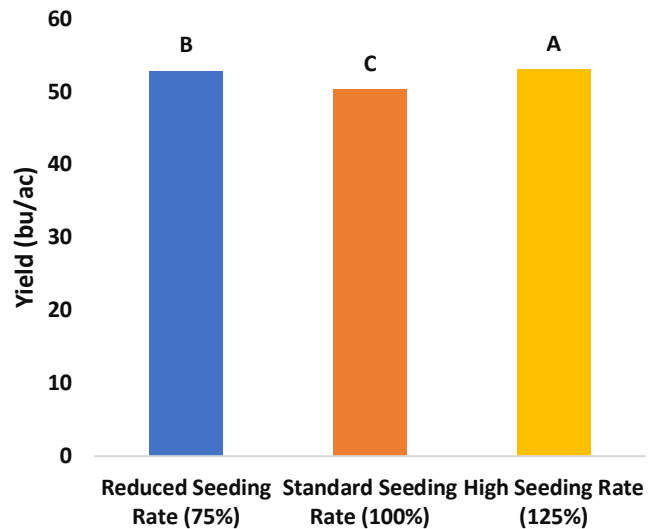
- Treatment**
- **Reduced seeding rate (75%): 3.6 lbs/ac**
 - **Standard seeding rate (100%): 4.8 lbs/ac**
 - **High seeding rate (125%): 6 lbs/ac**

Previous Crop	Wheat
Tillage	Harrows, Spring
Seeding	Seedhawk
Equipment	
Seeding Date	May 25, 2022
Variety	LL343
TKW	5.7 g/1000 seeds
Seed	Vercoras
Treatment	
Row Spacing	12 inches
Harvest Date	September 27, 2022

Location of Trial



Yield by Treatment



Precipitation (mm)

	Rainfall (mm) (% of average)	Average Daily Temp. (C°)
April	11 (32%)	-1
May	91 (161%)	9
June	88 (98%)	15
July	43 (45%)	18
Aug	35 (44%)	17
Sept	30 (60%)	1
Total	297	

Overall Yield & Results

	Seeding Rate (Lbs seed/ac)	Plant Count 4-leaf	Emergence %	Plant Count Maturity	Survival %	Yield (bu/ac)
Reduced (75% of standard)	3.6	5.1 ^c	77 ^a	4.7 ^c	94.4	52.9
Standard (100% of standard)	4.8	5.3 ^b	60 ^b	5.8 ^b	110.8	50.4
High (125% of standard)	6	6.3 ^a	57 ^c	6.8 ^a	108.3	53.1
P-Value		0.019	0.0123	<0.0001	0.11	0.33
CV		16	19	17	15	5
Significance		Yes	Yes	Yes	No	No

Seedling Uniformity Photos

