



## Flax Seeding Rate

**Trial ID: 2022-FP01 — R.M. of Brokenhead**

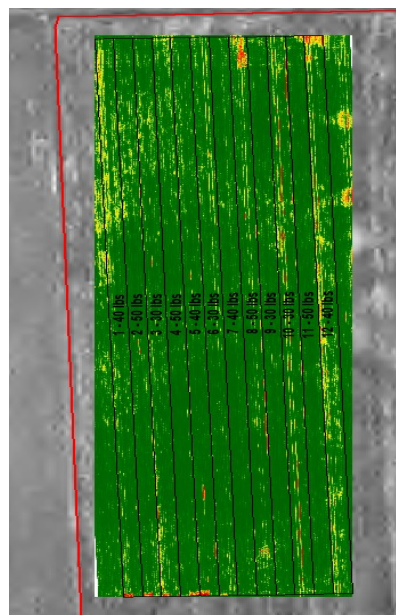
**Objective:** The purpose of this project is to quantify the agronomic and economic impacts of reducing and increasing normal seeding rate in flax.

**Summary:** There was no significant yield difference between planting rates of 30, 40 and 50 lbs/ac. As a result, there was a decrease in profit equivalent to the increase in seed cost for the higher seeding rates.

### Trial Information

Treatment	30 lbs vs. 40 lbs vs. 50 lbs
Soil Texture	Clay
Previous Crop	Soybeans
Tillage	Conventional
Seeding Equipment	30' Press Drill
Seeding Date	May 24
Variety	WestLin 72
Germination	58%
Row Spacing	6"
Harvest Date	October 06

### NDVI Imagery August 13



### Flax Response

	Plants/ft <sup>2</sup>	TWT (kg/hL)	Grade
30 lbs	22 <sup>A</sup>	70	1.0
40 lbs	28 <sup>AB</sup>	71	1.0
50 lbs	36 <sup>B</sup>	70	1.0

### Precipitation<sup>†</sup> (mm)

	May	June	July	Aug	Total
Rainfall	118	77	67	183	445
Normal	54	78	70	101	303
% Normal	218%	99%	96%	181%	147%

<sup>†</sup>Growing season precipitation (mm) - May 01—Aug 31

### Overall Yield & Economics

	Mean (bu/ac)	Cost <sup>†</sup>	Change in Profit/ac <sup>††</sup>
30 lbs	38.2	\$35/ac	+\$11/ac
40 lbs	38.2	\$46/ac	\$0/ac
50 lbs	35.7	\$58/ac	-\$12/ac
P-Value	0.3561	<b>Economics: There is an increase in profit for the lower seeding rate due to the lower cost of seed/acre.</b>	
CV	5.78%		
Significance	No		

<sup>†</sup>Based on MB Agriculture 2022 Cost of Production Guidelines (\$64.96/ac)

<sup>††</sup>Change in profit is calculated as the difference in cost between seeding rate treatments.



MCA would like to thank Tone Ag Consulting Ltd. for the research support and SGS Canada Inc. for quality analysis for this trial.



**MANITOBA  
CROP  
ALLIANCE**

Phone: 204-745-6661  
Website: mbcropalliance.ca  
Email: hello@mbcropalliance.ca