



## Flax Seeding Rate

**Trial ID: 2022-FP02 — R.M. of De Salaberry**

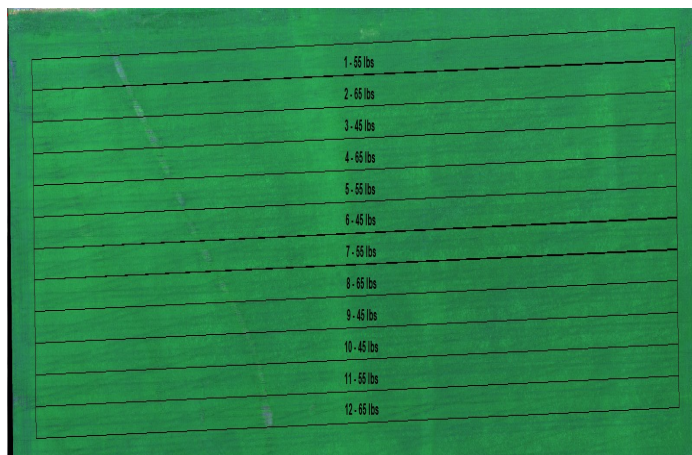
**Objective:** The purpose of this project is to quantify the agronomic and economic impacts of reducing and increasing normal seeding rate in flax.

**Summary:** There was no significant yield difference between seeding rates of 45, 55 and 65 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

<b>Treatment</b>	45 lbs vs. 55 lbs vs. 65 lbs
<b>Soil Texture</b>	Clay
<b>Previous Crop</b>	Canola
<b>Tillage</b>	Conventional
<b>Seeding Equipment</b>	50' Hoe Drill
<b>Seeding Date</b>	June 06
<b>Variety</b>	CDC Rowland
<b>Germination</b>	94%
<b>Row Spacing</b>	10"
<b>Harvest Date</b>	October 11

### RGB Imagery August 13



### Flax Response

	Plants/ft <sup>2</sup>	TWT (kg/hL)	Grade
45 lbs	39	71	1.0
55 lbs	46	71	1.0
65 lbs	48	71	1.0

### Precipitation<sup>†</sup> (mm)

	May	June	July	Aug	Total
<b>Rainfall</b>	77	68	89	175	<b>409</b>
<b>Normal</b>	52	86	63	68	<b>269</b>
<b>% Normal</b>	149%	79%	141%	259%	<b>152%</b>

<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>
45 lbs	45.5	\$52/ac	+\$12/ac
55 lbs	45.6	\$64/ac	\$0/ac
65 lbs	46.6	\$75/ac	-\$11/ac
<b>P-Value</b>	0.3920	<b>Economics: There is an increase in profit for the lower seeding rate due to the lower cost of seed/acre.</b>	
<b>CV</b>	2.16%		
<b>Significance</b>	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.



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