



## Flax Seeding Rate

**Trial ID: 2022-FP03 — R.M. of Morris**

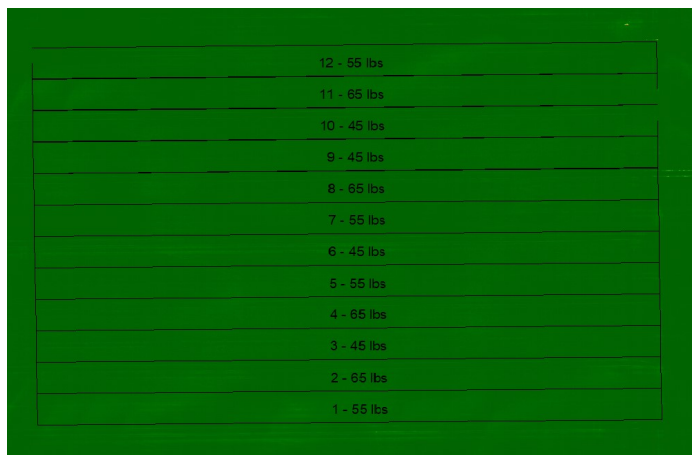
**Objective:** The purpose of this project is to quantify the agronomic and economic impacts of reducing and increasing normal seeding rate in flax.

**Summary:** There was no significant yield difference between seeding rates of 35, 45 and 55 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	35 lbs vs. 45 lbs vs. 55 lbs
Soil Texture	Clay
Previous Crop	Oats
Tillage	Minimal
Seeding Equipment	60' Disc Drill
Seeding Date	June 11
Variety	CDC Glas
Germination	94%
Row Spacing	10"
Harvest Date	October 11

### NDVI Imagery August 13



### Flax Response

	Plants/ft <sup>2</sup>	TWT (kg/hL)	Grade
35 lbs	48 <sup>A</sup>	71	1.0
45 lbs	60 <sup>B</sup>	71	1.0
55 lbs	58 <sup>B</sup>	70	1.0

### Precipitation<sup>†</sup> (mm)

	May	June	July	Aug	Total
Rainfall	120	45	57	84	306
Normal	54	76	66	95	291
% Normal	223%	59%	86%	89%	105%

<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>
35 lbs	43.8	\$41/ac	+\$11/ac
45 lbs	43.3	\$52/ac	\$0/ac
55 lbs	43.5	\$64/ac	-\$12/ac
P-Value	0.9468	<b>Economics: There is an increase in profit for the lower seeding rate due to the lower cost of seed/acre.</b>	
CV	4.52%		
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.



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