



## Flax Seeding Rate

**Trial ID: 2023-FP02 — R.M. of De Salaberry**

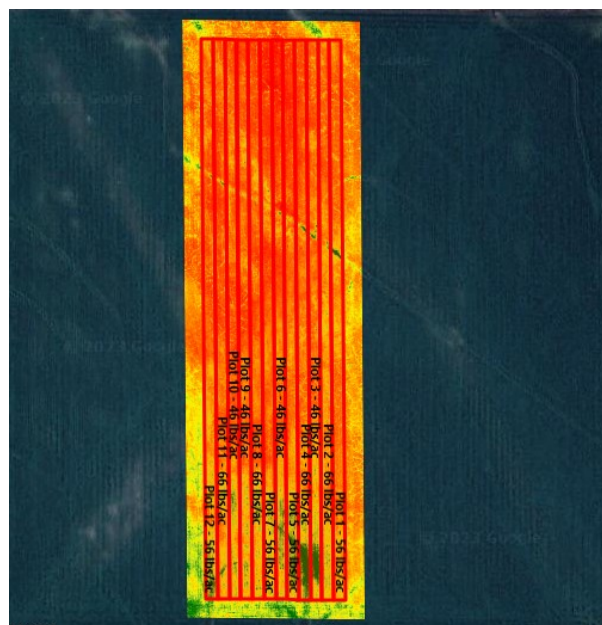
**Objective:** The purpose of this project is to quantify the agronomic and economic impacts of reducing and increasing normal seeding rate in flax.

**Summary:** There was no significant yield difference between planting rates of 46, 56 and 66 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	46 lbs vs. 56 lbs vs. 66 lbs
Soil Texture	Clay
Previous Crop	Alfalfa
Tillage	Conventional Tillage
Seeding Equipment	50' Hoe Drill
Seeding Date	May 16
Variety	CDC Rowland
Germination	85%
Row Spacing	10"
Harvest Date	October 15

### NDVI Imagery August 12



### Flax Response

	Plants/ft <sup>2</sup>	TWT (kg/hL)	Grade
46 lbs	50	63	2
56 lbs	48	62	2
66 lbs	52	62	2

### Precipitation<sup>†</sup> (mm)

	May	June	July	Aug	Cumulative
Rainfall	9	56	59	33	157
Normal	69	100	93	74	336
% Normal	13%	56%	63%	44%	47%

<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>
46 lbs	8.6	\$53.36/ac	+ \$11.60/ac
56 lbs	8.9	\$64.96/ac	\$0/ac
66 lbs	8.4	\$76.56/ac	-\$11.60/ac
P-Value	0.3173	<b>Economics: There is an increase in profit for the lower seeding rate due to the lower cost of seed/acre.</b>	
CV	2.66%		
Significance	No		

<sup>†</sup>Based on MB Agriculture 2023 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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