



Flax Seeding Rate

Trial ID: 2023-FP05 — R.M. of Louise

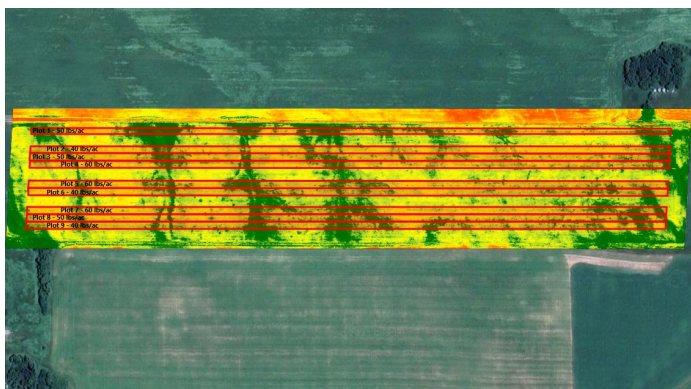
Objective: The purpose of this project is to quantify the agronomic and economic impacts of reducing and increasing normal seeding rate in flax.

Summary: There was no significant yield difference between seeding rates of 40, 50 and 60 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	40 lbs vs. 50 lbs vs. 60 lbs
Soil Texture	Clay Loams
Previous Crop	Barley
Tillage	Zero Till
Seeding Equipment	30' Hoe Drill
Seeding Date	May 19
Variety	CDC Rowland
Germination	88%
Row Spacing	10"
Harvest Date	September 16

NDVI Imagery August 08



Flax Response

	Plants/ft ²	TWT (kg/hL)	Grade
40 lbs	30	71	1
50 lbs	27	71	1
60 lbs	31	71	1

Precipitation[†] (mm)

	May	June	July	Aug	Cumulative
Rainfall	9	74	3	44	130
Normal	69	90	77	60	295
% Normal	13%	83%	4%	74%	44%

[†]Growing season precipitation (mm) - May 01—Aug 31

Overall Yield & Economics

	Mean (bu/ac)	Cost [†]	Change in Profit/ac ^{††}
40 lbs	30.9	\$46.40/ac	+ \$11.60/ac
50 lbs	33.3	\$58.00/ac	\$0/ac
60 lbs	30.7	\$69.60/ac	- \$11.60/ac
P-Value	0.2287	Economics: There is an increase in profit for the lower seeding rate due to the lower cost of seed/acre.	
CV	5.25%		
Significance	No		

[†]Based on MB Agriculture 2023 Cost of Production Guidelines (\$64.96/ac)

^{††}Change in profit is calculated as the difference in cost between seeding rate treatments.



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