



Flax Seeding Rate

Trial ID: 2022-FP04 — R.M. of Louise

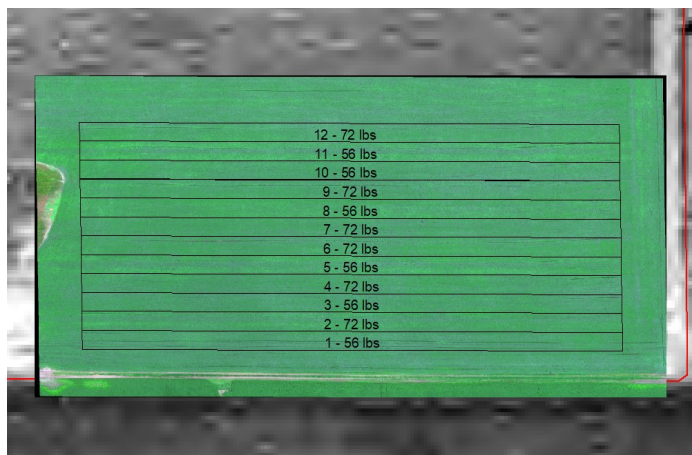
Objective: The purpose of this project is to quantify the agronomic and economic impacts of reducing and increasing normal seeding rate in flax.

Summary: There was no significant yield difference between seeding rates of 56 and 72 lbs/ac. As a result, there was a decrease in profit equivalent to the increase in seed cost for the higher seeding rate.

Trial Information

Treatment	56 lbs vs. 72 lbs
Soil Texture	Clay Loams
Previous Crop	Soybeans
Tillage	Zero Till
Seeding Equipment	33' Air Drill
Seeding Date	June 10
Variety	CDC Rowland
Germination	89%
Row Spacing	10"
Harvest Date	October 10

RGB Imagery August 13



Flax Response

	Plants/ft ²	TWT (kg/hL)	Grade
56 lbs	32	69	1.0
72 lbs	36	70	1.0

Precipitation[†] (mm)

	May	June	July	Aug	Total
Rainfall	116	47	81	58	302
Normal	61	75	67	87	290
% Normal	189%	62%	122%	67%	104%

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

Overall Yield & Economics

	Mean (bu/ac)	Cost [†]	Change in Profit/ac ^{††}
56 lbs	35.1	\$65/ac	\$0/ac
72 lbs	36.1	\$84/ac	-\$19/ac
P-Value	0.3831	Economics: There is an increase in profit for the lower seeding rate due to the lower cost of seed/acre.	
CV	4.33%		
Significance	No		

[†]Based on MB Agriculture 2022 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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