

Faba Bean Seeding Rate Trial

Trial ID: 2020FP01 – R.M. of Swan Valley West

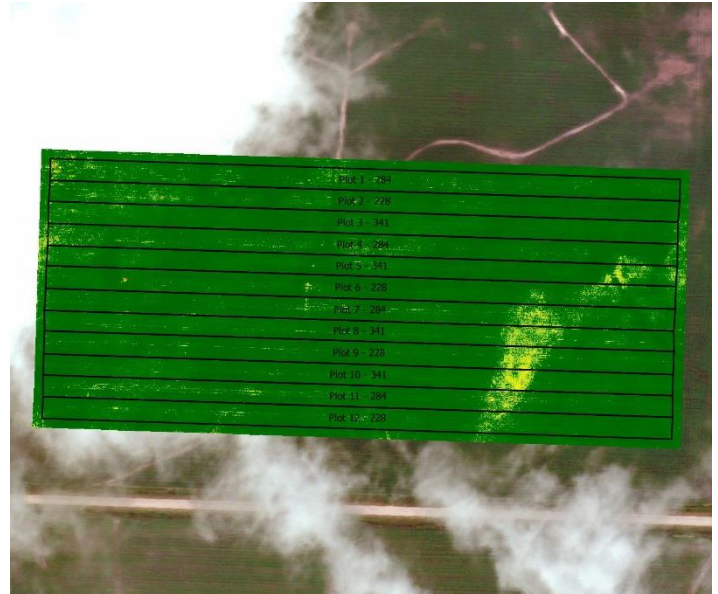
Objective: Quantify the agronomic and economic impacts of different faba bean seeding rates

Summary: There was no significant yield difference between seeding rates, therefore, there was an economic loss equivalent to the increased cost/ac of the higher seeding rates.

Trial Information

Treatment	228 vs 284 vs 341 lb/ac
Soil Texture	Clay Loam
Previous Crop	Canola
Tillage	Conventional
Seeding Equipment	Air Drill
Seeding Date	May 7
Variety	Snowbird
Row Spacing	12"
Harvest Date	September 29

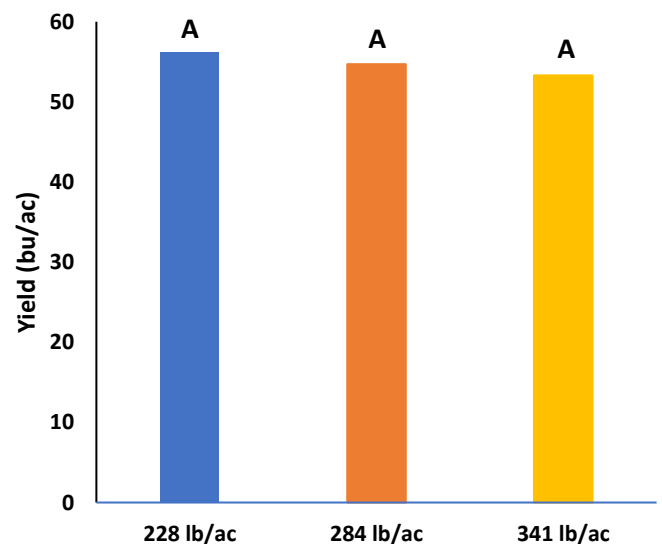
NDVI Field Image July 29



Precipitation (mm)

	May	June	July	August
Normal	45.4	84.2	85.6	68.3
Rainfall	11	86.6	143.7	66.9

Yield by Treatment



Plant Stand (plants/ac)

	V5
228 lb/ac	155 500
284 lb/ac	128 000
341 lb/ac	212 500



on-farm network
PARTICIPATORY • PRECISE • PROACTIVE

Faba Bean Seeding Rate Trial

Overall Yield & Economics

	Mean (bu/ac)	Cost †	Change in Profit/ac ††
228 lb/ac	56.2	\$51/ac	
284 lb/ac	54.7	\$64/ac	-\$13/ac
341 lb/ac	53.3	\$77/ac	-\$26/ac
P-Value	0.1210		
CV	3.9%		
Significance	No	Economic	No

† Based on estimated seed cost of \$13.50/bu

†† Change in profit/ac is calculated as the difference in cost between seeding rate treatments. Yields were not significantly different, so there is no increased income to offset the increase in seed cost