



Sunflower Planting Rate

Trial ID: 2021-SFLP01 — R.M. of De Salaberry

Objective: The purpose of this project is to quantify the agronomic and economic impacts of reducing and increasing normal planting rate in oil-seed sunflowers.

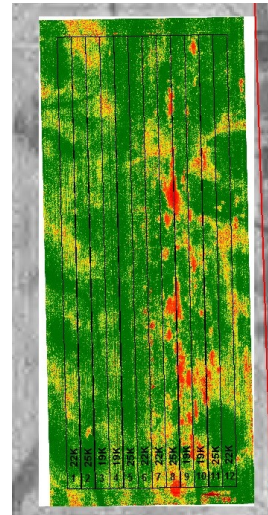
TRIAL INFORMATION	
Location	Otterburne
Previous Crop	Wheat
Soil Texture	Clay Loams
Tillage	Conventional Tillage
Planting Date	April 29, 2021
Fertilizer (N-P-K-S)	83N 45P 30K
Variety	P63ME80
Row Spacing	20"
Planting Rate (seeds/ac)	19K, 22K & 25K
Harvest Date	October 01, 2021

PLANT STAND @ V2			
Planting Rate (seeds/ac)	19,000	22,000	25,000
Plants/acre	18,000 ^A	23,250 ^B	25,000 ^C

	SUNFLOWER QUALITY		
	19,000 plants/ac	22,000 plants/ac	25,000 plants/ac
% Dockage	--	8.5	--
% Moisture	--	11.2	--
TWT (lbs/bu)	--	33	--
Grade	--	1	--
Sizing 8 Slot	--	77	--

	OVERALL YIELD
	Mean (lbs/ac)
19,000 plants/ac	2,170 ^A
22,000 plants/ac	1,910 ^A
25,000 plants/ac	2,143 ^A
P-Value	0.4333
CV	14.04%
Significance	No

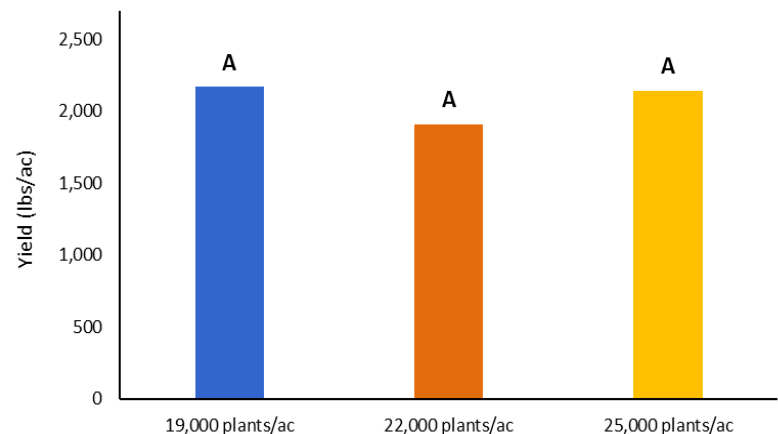
FIELD IMAGE



	PRECIPITATION†				
	May	June	July	Aug	Total
Rainfall	35	61	12	108	216
Normal	52	86	63	66	267

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

YIELD BY TREATMENT



Summary: There was no significant difference in yield between the 19,000, 22,000 and 25,000 seeds/acre planting rates. There was a significant difference in plant stands between the three planting rates. Rainfall was below average throughout the growing season.



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**MANITOBA
CROP
ALLIANCE**

Phone: 204-745-6661
Website: mbcropalliance.ca
Email: hello@mbcropalliance.ca