



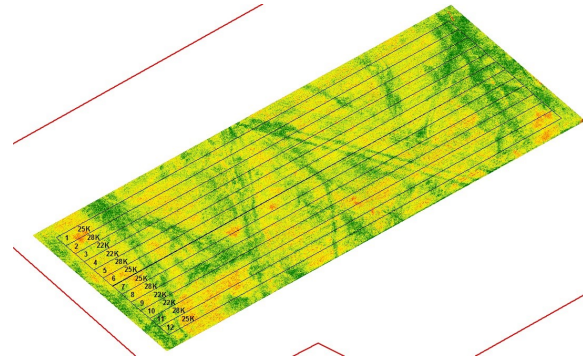
## Sunflower Planting Rate

Trial ID: 2021-SFLP04 — R.M. of Ritchot

**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	St. Adolphe
Previous Crop	Wheat
Soil Texture	Clay
Tillage	Conventional Tillage
Planting Date	May 11, 2021
Fertilizer (N-P-K-S)	102N 39P
Variety	Talon
Row Spacing	20"
Planting Rate (seeds/ac)	22K, 25K & 28K
Harvest Date	September 24, 2021

## FIELD IMAGE



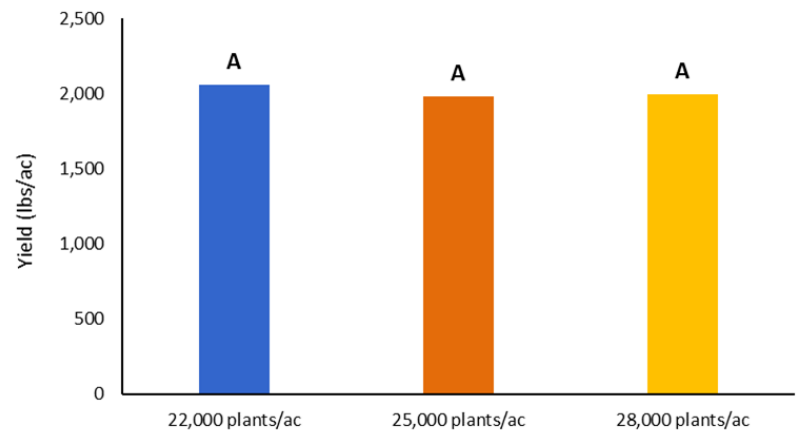
PLANT STAND @ V2			
Planting Rate (seeds/ac)	22,000	25,000	28,000
Plants/acre	24,500 <sup>A</sup>	26,000 <sup>A</sup>	29,500 <sup>B</sup>

PRECIPITATION†					
	May	June	July	Aug	Total
Rainfall	18	60	9	95	182
Normal	56	83	64	86	289

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

SUNFLOWER QUALITY			
	22,000 plants/ac	25,000 plants/ac	28,000 plants/ac
% Dockage	--	7.5	--
% Moisture	--	10.1	--
TWT (lbs/bu)	--	34	--
Grade	--	1	--
Sizing 8 Slot	--	36	--

## YIELD BY TREATMENT



OVERALL YIELD	
	Mean (lbs/ac)
22,000 plants/ac	2,058 <sup>A</sup>
25,000 plants/ac	1,981 <sup>A</sup>
28,000 plants/ac	1,995 <sup>A</sup>
P-Value	0.5854
CV	5.29%
Significance	No

**Summary:** There was no significant difference in yield between the 22,000, 25,000 and 28,000 seeds/acre planting rates. There was a significant difference in plant stands between the 28,000 seeds/acre vs. the other two planting rates. Rainfall was well below average throughout the growing season.



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