



Sunflower Planting Rate

Trial ID: 2021-SFLP05 — R.M. of Thompson

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.

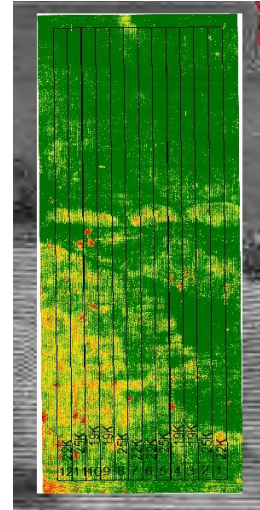
TRIAL INFORMATION	
Location	Miami
Previous Crop	Wheat
Soil Texture	Coarse Loam
Tillage	Conventional Tillage
Planting Date	May 12, 2021
Fertilizer (N-P-K-S)	100N
Variety	P63ME80
Row Spacing	30"
Planting Rate (seeds/ac)	19K, 22K & 25K
Harvest Date	October 18, 2021

PLANT STAND @ V2			
Planting Rate (seeds/ac)	19,000	22,000	25,000
Plants/acre	19,500 ^A	20,750 ^A	21,750 ^A

	SUNFLOWER QUALITY		
	19,000 plants/ac	22,000 plants/ac	25,000 plants/ac
% Dockage	8.0	7.0	7.0
% Moisture	12.2	9.3	10.3
TWT (lbs/bu)	33	34	34
Grade	1	1	1
Sizing 8 Slot	91	77	78

	OVERALL YIELD	
	Mean (lbs/ac)	
19,000 plants/ac	1,498 ^A	
22,000 plants/ac	1,613 ^A	
25,000 plants/ac	1,571 ^A	
P-Value	0.3958	
CV	7.16%	
Significance	No	

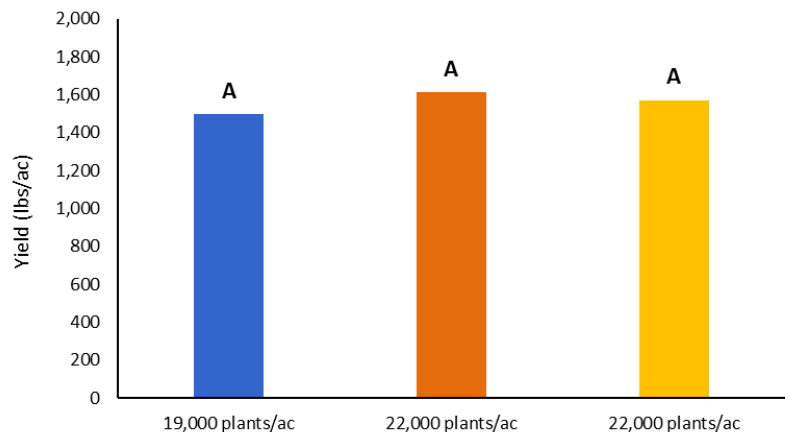
FIELD IMAGE



PRECIPITATION†					
	May	June	July	Aug	Total
Rainfall	26	112	16	91	245
Normal	56	86	69	74	285

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

YIELD BY TREATMENT



Summary: There was no significant difference in yield or plant stands at V2 between the 19,000, 22,000 and 25,000 seeds/acre planting rates. Rainfall was slightly below average throughout the growing season.



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