



Sunflower Planting Rate Trials

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

Summary: Three site-years showed a significant yield difference between the three planting rates.

Summary of 2022 oil-type sunflower planting rate trial yield results by site-year

Trial ID	Rural Municipality	Row Spacing	Planting Rate			Plant Stand @ Midseason			Yield			CV	P-Value	Statistically Significant @ 95%
			Low	Med	High	Low	Med	High	Low	Med	High			
		inch	'000/ac			'000/ac			lbs/ac			%		
SFLP01	Brokenhead	20	20	23	26	19.8 ^C	21.1 ^B	24.3 ^A	1,285 ^B	1,421 ^A	1,338 ^{AB}	4.10	0.0352	Yes
SFLP02	Ritchot	20	21	24	27	18.1 ^C	21.5 ^B	23.9 ^A	2,220	2,271	2,365	4.94	0.2714	No
SFLP03	Springfield	22	21	24	27	19 ^B	20.5 ^{AB}	22.4 ^A	2,018 ^B	2,136 ^A	2,219 ^A	2.45	0.0047	Yes
SFLP04	Argyle	30	19.5	22.5	25.5	17.5 ^B	20 ^A	20.3 ^A	2,661 ^{AB}	2,778 ^A	2,512 ^B	3.85	0.0375	Yes
SFLP05	St. Andrews	30	19	22	25	17.3 ^B	18.8 ^{AB}	21.5 ^A	1,598	1,626	1,650	2.97	0.4838	No



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