



on-farm network
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Soybean Row Spacing Trial

Trial ID: 2022-SRS02 – R.M. of Louise

Objective: Quantify the agronomic and economic impacts of different row spacings on soybean production.

Summary: There was no significant yield difference between 7.5" or the 15" row spacing. Canopy closure was not significantly different within growth stages for any of the treatments.

Trial Information†

Treatment	7.5" vs 15"
Soil Texture	Loam
Previous Crop	Canola
Tillage	Zero Till
Seeding Equipment	30 ft Disc Drill
Seeding Date	May 24
Variety	S001-D8X
Seeding Rate	180,000 seeds/ac
Harvest Date	September 28

Precipitation (mm)

	May	Jun	Jul	Aug	Total
Rainfall	129.1	42.5	115	43	329.6
Normal	61.1	89.8	68.3	72.3	291.5
% Normal	211%	47%	168%	59%	113%

Plant Stand (plants/ac)

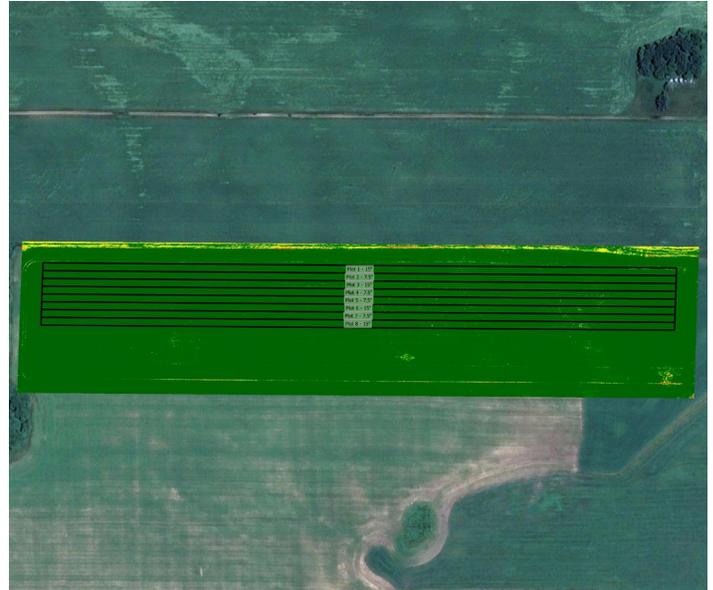
	V1	R6
7.5"	134,000	139,000
15"	133,000	124,000

Canopy Closure (%)‡

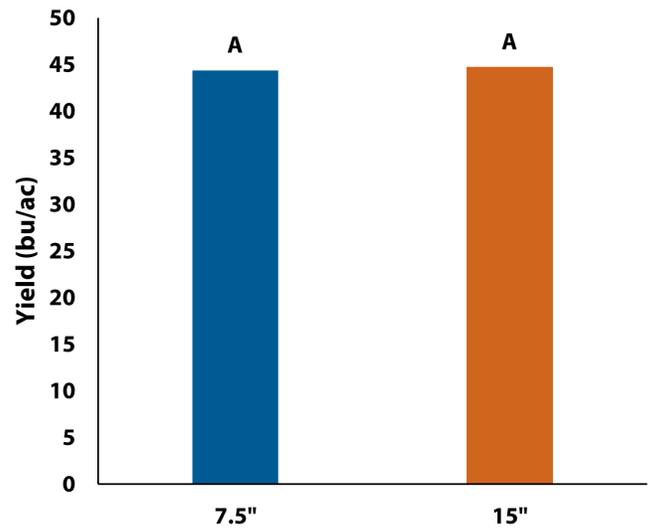
	R1	R3	R5
7.5"	37.0 A	91.0 A	92.3 A
15"	33.8 A	93.2 A	92.2 A

‡ Closure percentages in columns followed by different letters are significantly different from one another.

NDVI Field Image August 13



Yield by Treatment





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Overall Yield & Economics

	Mean (bu/ac)	Change in Profit/ac [†]
7.5"	44.4	n/a
15"	44.7	n/a
Yield Difference	0.3	
P-Value	0.8491	
CV	5.0%	
Significance	No	Economic n/a

[†] Does not account for any equipment or operating cost differences between spacings.