Soybean Row Spacing Trial

Trial ID: 2022-SRS03 – R.M. of Dauphin

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

Summary: There was a significant increase in yield with the 7.5" narrow rows compared to the 15" medium. Canopy closure was not significantly different within growth stages for any of the treatments.

Trial Information ǂ

Treatment	7.5" vs 15"
Soil Texture	Clay
Previous Crop	Canola
Tillage	Conventional
Seeding Equipment	52 ft Disc Drill
Seeding Date	May 27
Variety	S001-D8X
Seeding Rate	181,000 seeds/ac
Harvest Date	October 3

Precipitation (mm)

	May	Jun	Jul	Aug	Total
Rainfall	129.6	74.6	75.5	39.5	319.2
Normal	54.3	86.7	73.2	63.3	277.5
% Normal	239%	86%	103%	62%	115%

Plant Stand (plants/ac)

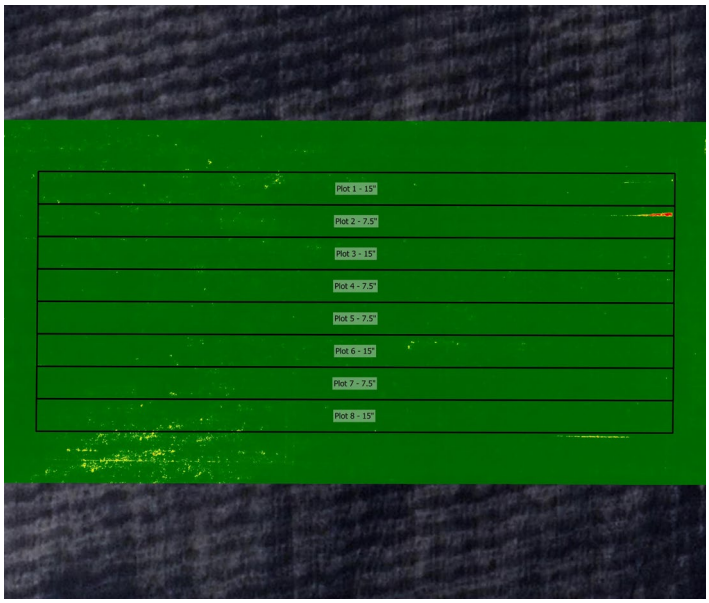
	V2	R8
7.5"	173,000	171,000
15"	171,000	169,000

Canopy Closure (%) ǂ

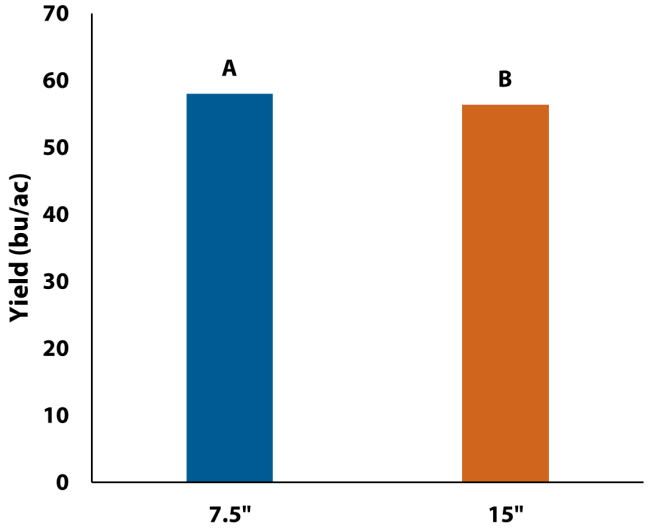
	R1	R3	R5
7.5"	37.8 A	76.8 A	97.8 A
15"	34.7 A	69.5 A	97.5 A

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

NDVI Field Image August 18



Yield by Treatment



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Overall Yield & Economics

	Mean (bu/ac)	Change in Profit/ac ǂ
7.5”	58	n/a
15”	56.4	n/a
Yield Difference	-1.6	
P-Value	0.0018	
CV	1.9%	
Significance	**Yes**	**Economic** **n/a**

ǂ Does not account for any equipment or operating cost differences between spacings.

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