Soybean Seed Treatment Trial

Trial ID: 2020_SST01 – R.M. of Dauphin

Objective: Quantify the agronomic and economic impacts of seed treatment in soybeans

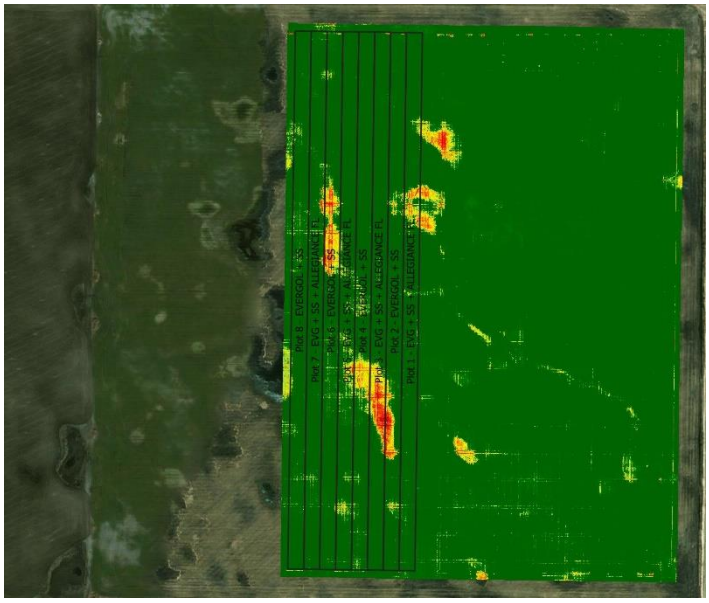
Summary: There was no significant yield difference between soybean treated with Evergol+SS and soybean treated with Evergol+SS+Allegiance FL. Root rot severity was significantly lower in the Evergol+SS treatment compared to the Evergol+SS+Allegiance FL treatment.

Trial Information[ǂ]

Treatment	Evergol+SS vs. Evergol+SS+Allegiance FL
Rural Municipality	Dauphin
Soil Texture	Fine Sandy Loam
Previous Crop	Ryegrass
Tillage	Zero Till
Seeding Date	May 26
Variety	Amirani R2
Seeding Rate	223 000 seeds/ac
Row Spacing	10"
Plant Stand @ VC	167 000 plants/ac
Harvest Date	September 24

ǂ Trial designed to test the addition of Allegiance FL seed treatment to this producer's regular seed treatment practice of Evergol + Stress Shield

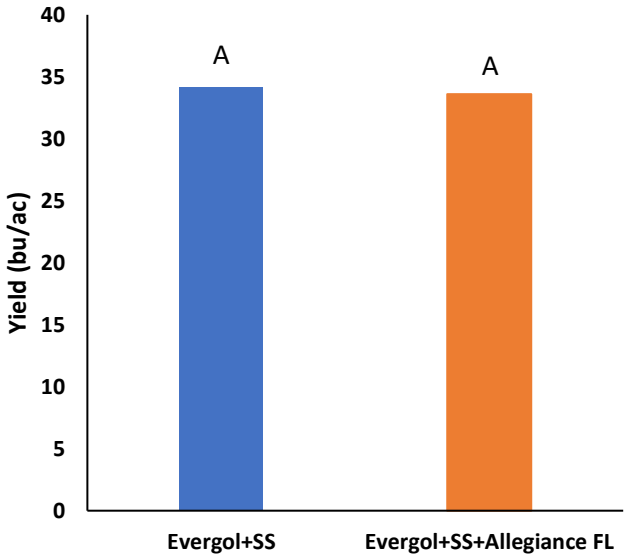
NDVI Field Image August 14



Precipitation (mm)

	May	June	July	August
Normal	54.3	86.7	73.2	63.3
Rainfall	31.8	101	67.9	98.4

Yield by Treatment



Early Season Root Rot Severity

	Root Rot Severity	Letter Group[ǂ]
Evergol + SS + Allegiance FL	40%	A
Evergol + SS	30%	B

ǂ Root rot was significantly more severe in the Evergol + SS + Allegiance FL compared to the Evergol + SS treatment

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Overall Yield & Economics

	Mean (bu/ac)	Cost †	Change in Profit/ac ††
Evergol+SS+Allegiance FL	33.6	$5/ac	-$5/ac
Evergol+SS	34.2		
Yield Difference	-0.6		
P-Value	0.7093		
CV	9.4%		
Significance	**No**	**Economic**	**No**

† Based on estimated cost of seed treatment

†† There was no significant increase in yield to offset the cost of product

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