Soybean Seed Treatment Trial

Trial ID: 2019SST06 – R.M. of Westlake-Gladstone

Objective: Quantify the agronomic impacts of seed treatment in soybeans

Summary: Seedling root rot was significantly more severe in untreated soybeans compared to treated soybeans. There was no significant difference in seed yield between treated and untreated soybeans.

Trial Information

Treatment	1x CruiserMaxx Vibrance
Rural Municipality	Westlake-Gladstone, RM of
Soil Texture	Very Fine Sandy Loam
Previous Crop	Canola
Tillage	Minimal Tillage
Seeding Date	May 14
Variety	NSC Watson RR2Y
Seeding Rate	204 000 seeds/ac
Row Spacing	10"
Plant Stand @ VC	196 000 plants/ac
Harvest Date	September 17

Precipitation (mm)

	May	June	July	August
Normal	49.7	76.9	61.7	64.3
Rainfall	14.5	47.8	115.2	88.6

Seedling Root Rot Severity†

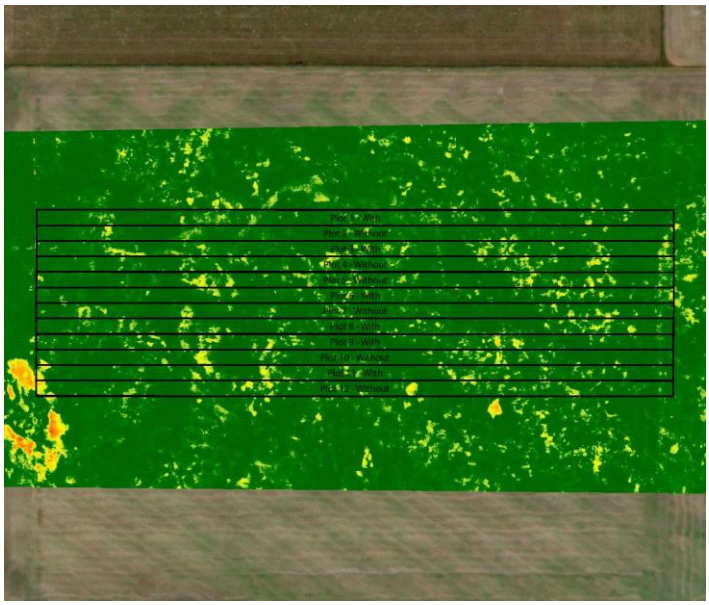
	Severity	Letter Group
Treated	30%	B
Untreated	54%	A

† Severity determined in the lab from seedling plant samples; severity was rated on a scale of 0-6 and converted to a %

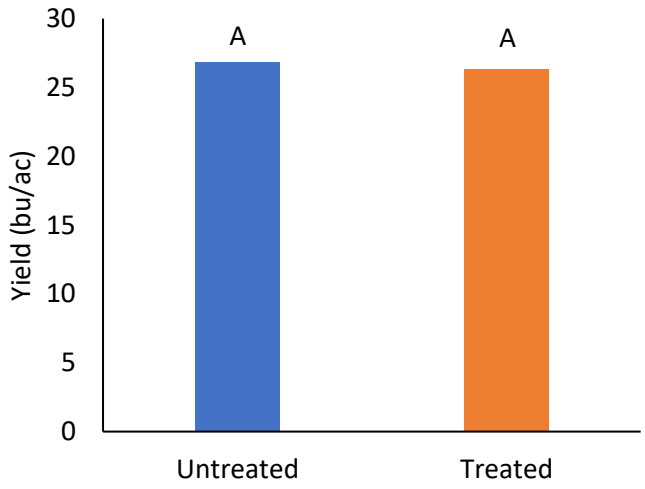
Overall Yield

	Mean (bu/ac)
Treated	26.3
Untreated	26.9
Yield Difference	-0.5
P-Value	0.3792
CV	3.1%
Significance	**No**

NDVI Field Image – August 9, 2019



Yield by Treatment



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MANITOBA Pulse Soybean GROWERS
T 204 745.6488
www.manitobapulse.ca