Soybean Double Inoculant Trial

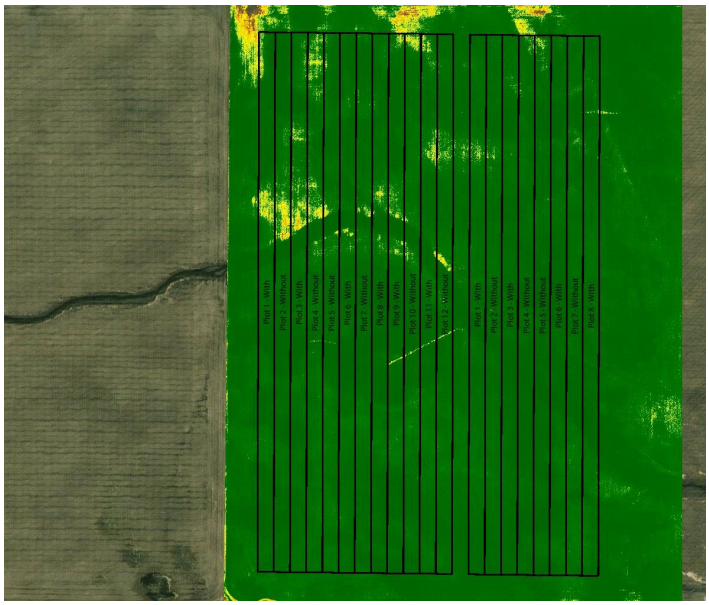
Trial ID: 2019S2IN04 – R.M. of Dauphin

Objective: Quantify the agronomic impacts of seed applied inoculant (single inoculation) vs. seed applied plus in-furrow inoculant (double inoculation) in soybean fields. This trial requires a minimum field history of 2 previous soybean crops.

Summary: There was no significant yield difference between soybeans with double inoculant and soybeans with single inoculant.

Trial Information

Treatment	1x Optimize (liquid) on seed
	5 lbs/ac Cell-Tech (granular) in-furrow
Previous Soybean Crops	2016; 2-year history
Rural Municipality	Dauphin, RM of
Soil Texture	Fine Sandy Loam
Previous Crop	Wheat
Tillage	Conventional
Seeding Date	May 24
Variety	Foote R2
Seed Treatment	1x CruiserMaxx Vibrance
Seeding Rate	210 000 seeds/ac
Row Spacing	10"
Plant Stand @ V1	221 000 plants/ac
Harvest Date	October 25



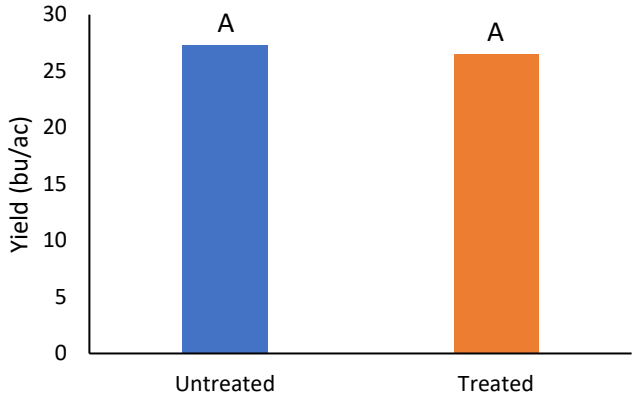
Precipitation (mm)

	May	June	July	August
Normal	54.3	86.7	73.2	63.3
Rainfall	10.9	60.3	65.6	45.9

Nodulation

	Average nodules/plant @ R2
Double	13
Single	14

Yield by Treatment



Overall Yield

	Mean (bu/ac)
Double Inoculant	26.4
Single Inoculant	27.4
Yield Difference	-0.9
P-Value	0.1871
CV	6.0%
Significance	**No**

NDVI Field Image – August 9, 2019

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Soybean Seed Treatment Trial

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