

Soybean Double Inoculant Trial

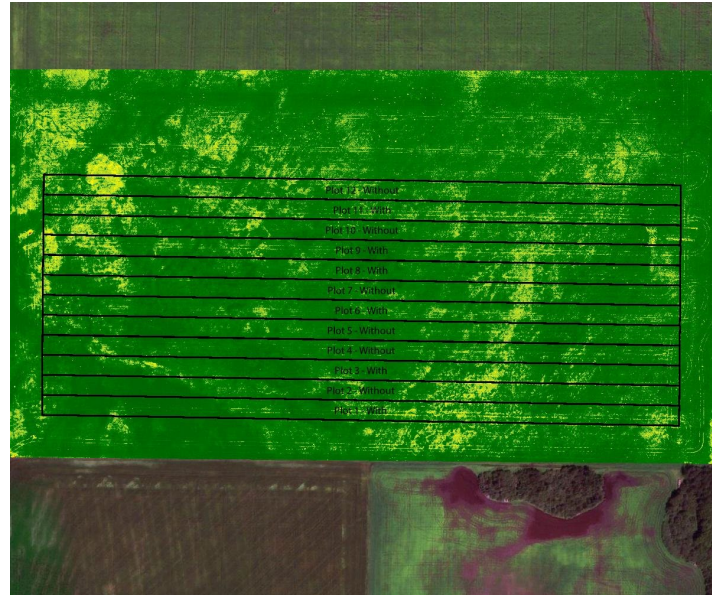
Trial ID: 2019S2IN03 – R.M. of Dauphin

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 8 lb/ac Cell-Tech (granular) in-furrow
Previous Soybean Crops	2016; 2-year history
Rural Municipality	Dauphin, RM of
Soil Texture	Clay Loam
Previous Crop	Wheat
Tillage	Zero Tillage
Seeding Date	May 23
Variety	DKB0009-89
Seeding Rate	221 000 seeds/ac
Row Spacing	10"
Plant Stand @ V1	216 000 plants/ac
Harvest Date	October 25



Nodulation

	Average Number of Nodules @ R2
Double	40
Single	44

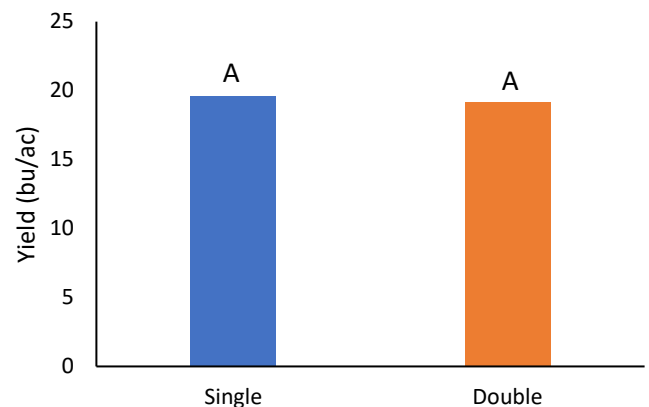
Precipitation (mm)

	May	June	July	August
Normal	54.3	86.7	73.2	63.3
Rainfall	11.9	51.9	37.6	60.7

Overall Yield

	Mean (bu/ac)
Double Inoculant	19.2
Single Inoculant	19.6
Yield Difference	-0.4
P-Value	0.4848
CV	6.3%
Significance	No

Yield by Treatment



NDVI Field Image – August 9, 2019