

Soybean Double Inoculant Trial

Trial ID: 2019S2IN02 – R.M. of Grassland

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 Cell-Tech (liquid) on seed 6 lb/ac Cell-Tech (granular) in-furrow
Previous Soybean Crops	2016
Rural Municipality	Grassland, RM of
Soil Texture	Loam
Previous Crop	Canola
Tillage	Minimal Tillage
Seeding Date	May 17
Variety	Footo R2
Seed Treatment	1x CruiserMaxx Vibrance
Seeding Rate	243 000 seeds/ac
Row Spacing	12"
Plant Stand @ V1	175 000 plants/ac
Harvest Date	October 25



Nodulation

	Average Number of Nodules @ R2
Double	19
Single	19

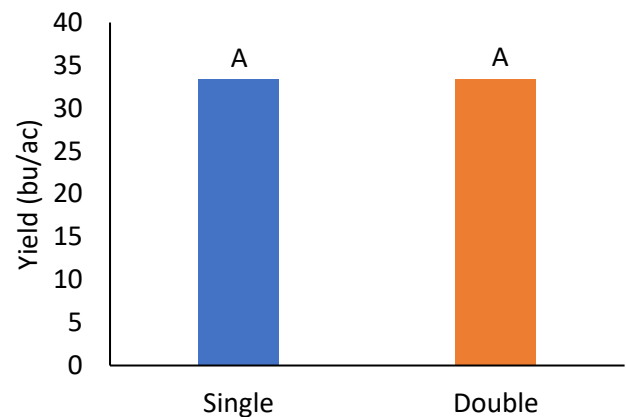
Precipitation (mm)

	May	June	July	August
Normal	46.9	83.7	65.2	57.6
Rainfall	20	66.7	78.9	93.2

Overall Yield

	Mean (bu/ac)
Double Inoculant	33.4
Single Inoculant	33.4
Yield Difference	0.0
P-Value	0.9735
CV	2.7%
Significance	No

Yield by Treatment



NDVI Field Image – August 11, 2019