



on-farm network
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Soybean Seeding Rate Trial

Trial ID: 2019SP01 – R.M. of Brokenhead

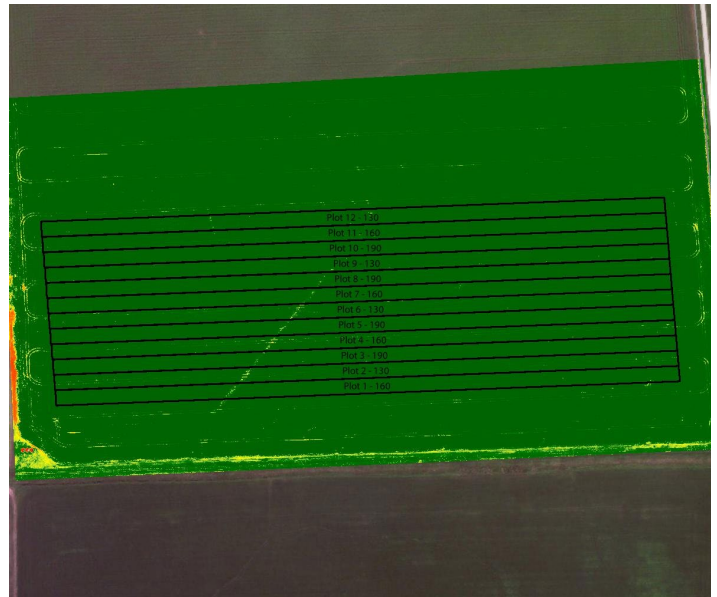
Objective: Quantify the agronomic impacts of a seeding rate of 190,000 seeds/ac, 160,000 seeds/ac and 130,000 seeds/ac.

Summary: There was no significant soybean yield difference between seeding rates of 130 000 seeds/ac, 160 000 seeds/ac and 190 000 seeds/ac.

Trial Information

Treatment	130k vs 160k vs 190k
Rural Municipality	Brokenhead, RM of
Soil Texture	Clay Loam
Previous Crop	Canola
Tillage	Conventional
Seeding Equipment	60ft John Deere 1890 Disc Drill
Seeding Date	May 20
Variety	24-10RY
Row Spacing	10"
Harvest Date	November 13

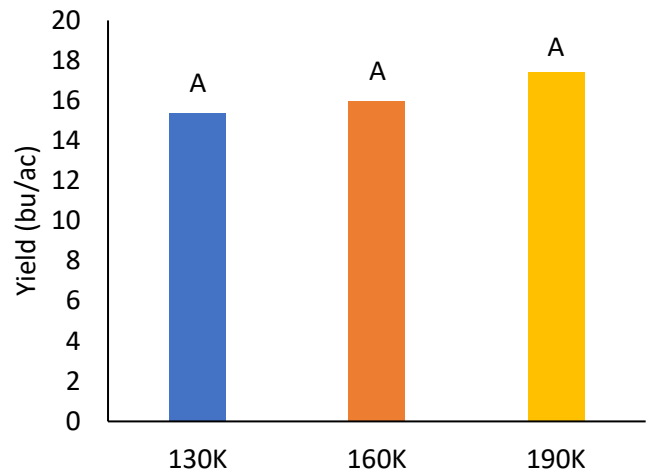
NDVI Field Image – August 7, 2019



Precipitation (mm)

	May	June	July	August
Normal	54	89.9	73.4	72.6
Rainfall	19	45.4	65.7	59.6

Yield by Treatment



Plant Stand (plants/ac)

	V1	R8
130K	106 000	86 000
160K	93 000	95 000
190K	119 000	114 000

Overall Yield

	Mean (bu/ac)
130K	15.4
160K	16.0
190K	17.4
P-Value	0.0683
CV	7.9%
Significance	No