



on-farm network
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Soybean Seeding Rate Trial

Trial ID: 2019SP10 – R.M. of Springfield

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	Springfield, RM of
Soil Texture	Clay
Previous Crop	Soybeans
Tillage	Conventional
Seeding Equipment	58.5ft John Deere DB60 Planter
Seeding Date	43608
Variety	McLeod R2
Row Spacing	15"
Harvest Date	November 2

Precipitation (mm)

	May	June	July	August
Normal	54.4	90.7	81.1	73.7
Rainfall	20.4	24	61.4	43.5

Plant Stand (plants/ac)

	V2	R6
130K	105 000	97 000
160K	126 000	112 000
190K	138 000	128 000

Overall Yield

	Mean (bu/ac)
130K	30.4
160K	30.4
190K	31.6
P-Value	0.3886
CV	12.1%
Significance	No

NDVI Field Image – August 7, 2019



Yield by Treatment

