



on-farm network
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Soybean Seeding Rate Trial

Trial ID: 2019SP09 – R.M. of Hanover

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	Hanover, RM of
Soil Texture	Very Fine Sandy Loam
Previous Crop	Corn
Tillage	Conventional
Seeding Equipment	40ft John Deere 1775NT Planter
Seeding Date	43600
Variety	P007A90R / P00A49X
Row Spacing	30"
Harvest Date	October 8

Precipitation (mm)

	May	June	July	August
Normal	57.8	89.5	80.6	71.8
Rainfall	33.8	49	162.5	58

Plant Stand (plants/ac)

	V2	R6
130K	120 000	112 000
160K	147 000	131 000
190K	164 000	150 000

Overall Yield

	Mean (bu/ac)
130K	48.0
160K	49.3
190K	49.4
P-Value	0.1436
CV	2%
Significance	No

NDVI Field Image – August 7, 2019



Yield by Treatment

