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Soybean Seeding Rate Trial

Trial ID: 2019SP07 – R.M. of Westlake-Gladstone

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

Summary: The 190 000 seeds/ac seeding rate significantly increased soybean yield over the 130 000 seeds/ac rate, however, plant stands were very low at this site-year.

Trial Information

Treatment	130k vs 160k vs 190k
Rural Municipality	Westlake-Gladstone, RM of
Soil Texture	Clay
Previous Crop	Winter Wheat
Tillage	Conventional
Seeding Equip.	60ft John Deere 1890 Disc Drill
Seeding Date	May 14
Variety	24-10RY
Row Spacing	15"
Harvest Date	November 2

Precipitation (mm)

	May	June	July	August
Normal	49.8	79.4	71.1	69.3
Rainfall	22.6	38.5	70.3	36.6

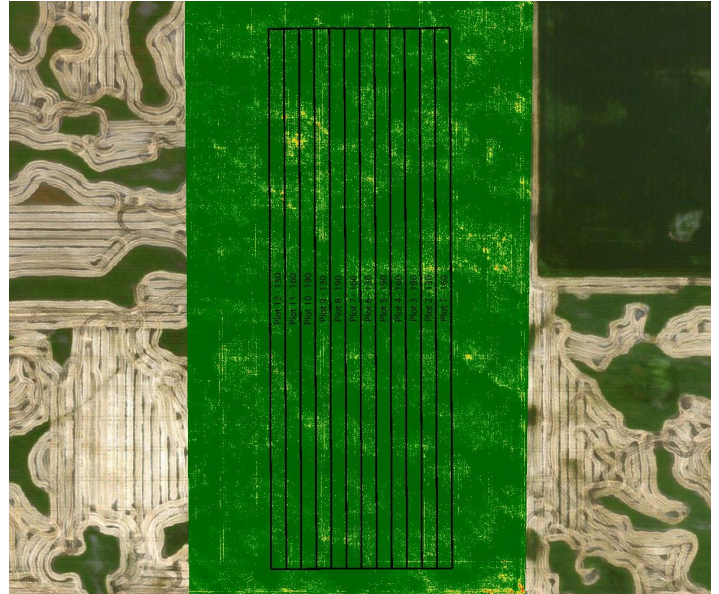
Plant Stand (plants/ac)

	V1	R6
130K	92 000	108 000
160K	115 000	93 000
190K	117 000	114 000

Overall Yield

	Mean (bu/ac)
130K	19.8
160K	22.0
190K	23.4
P-Value	0.0089
CV	11%
Significance	Yes

NDVI Field Image – August 10, 2019



Yield by Treatment

