Soybean Seeding Rate Trial

Trial ID: 2020-SP06 – R.M. of Grey

Objective: Quantify the agronomic and economic impacts of a seeding rate of 160,000 seeds/ac, 130,000 seeds/ac and 100,000 seeds/ac

Summary: There was no significant yield difference between seeding rates of 160,000, 130,000 and 100,000 seeds/ac.

Trial Information

Treatment	100k vs 130k vs 160k
Soil Texture	Clay
Previous Crop	Wheat
Tillage	Conventional
Seeding Equipment	40 ft Planter
Seeding Date	May 21
Variety	24-10RY
Row Spacing	20”
Harvest Date	September 17

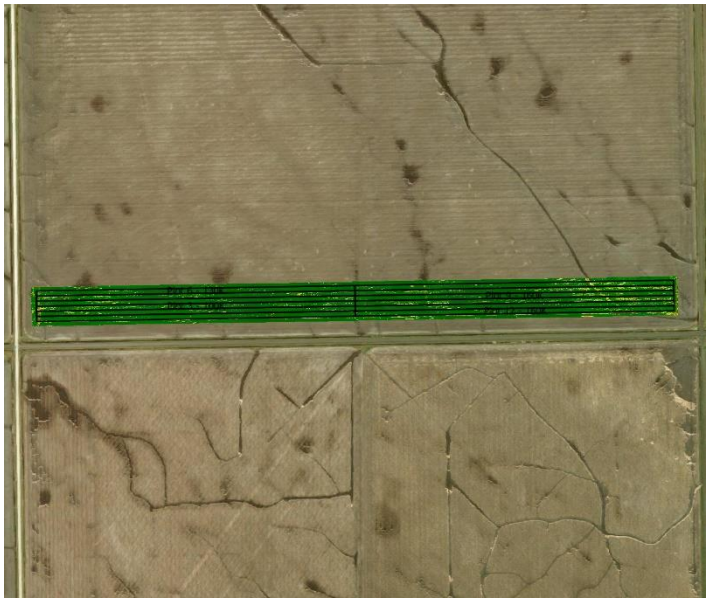
Precipitation (mm)

	May	June	July	August
Normal	53.8	80.6	65.7	71
Rainfall	28.3	52.6	49.5	39.4

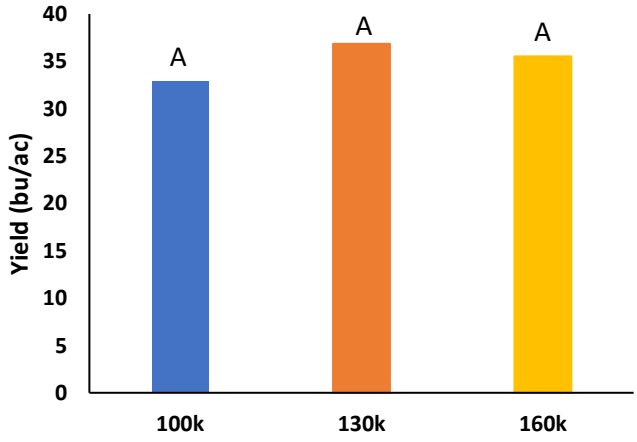
Plant Stand (plants/ac)

	V1	R6
100k	86 000	84 000
130k	111 000	91 000
160k	137 000	123 000

NDVI Field Image August 18



Yield by Treatment



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Overall Yield & Economics

	Mean (bu/ac)	Cost †	Loss ††
100k	32.9	$48/ac	
130k	36.9	$62/ac	-$14/ac
160k	35.5	$76/ac	-$28/ac
P-Value	0.2693		
CV	9.4%		
Significance	**No**	**Economic**	100k → 130k No 100k → 160k No 130k → 190k No