

Soybean Seeding Rate Trial

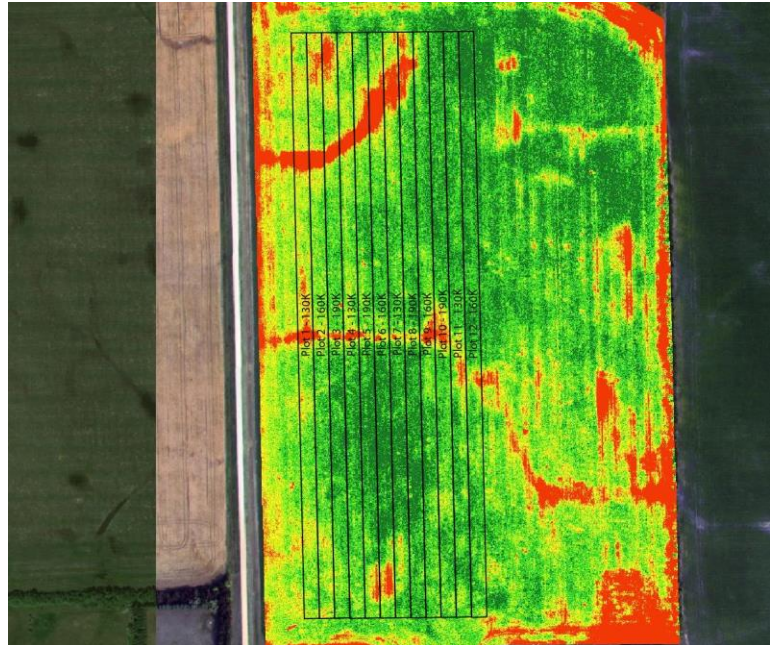
Trial ID: 2018-SP11 – R.M. of St. Andrews

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

TRIAL INFORMATION

Treatment	190K vs 160K vs 130K
Rural Municipality	St. Andrews
Previous Crop	Spring Wheat
Soil Texture	Clay
Tillage	Conventional
Seeding Equipment	Air Drill
Planting Date	May 17, 2018
Variety	24-10RY
Row Spacing	10"
Harvest Date	October 19, 2018

NDVI FIELD IMAGE – AUGUST 13, 2018



SEEDING RATE VS. PLANT STAND

Seeding Rate	Plant Stand @ V1	Plant Stand @ Harvest
190,000 seeds/ac	171,000	160,000
160,000 seeds/ac	152,000	148,000
130,000 seeds/ac	139,000	133,000

PRECIPITATION†

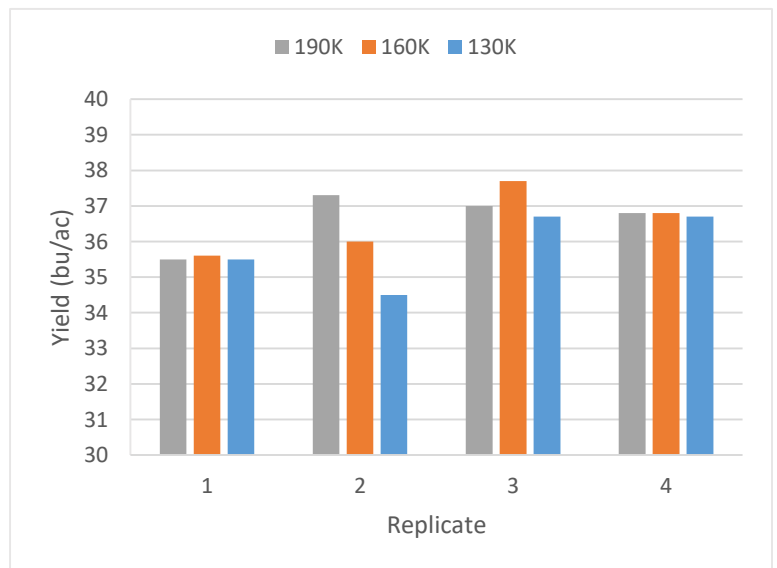
	May	June	July	Aug
Rainfall	39	93	32	63
Normal	54	91	81	74

† Growing season precipitation (mm)

OVERALL YIELD

	Mean (bu/ac)
190,000 seeds/ac	36.7
160,000 seeds/ac	36.5
130,000 seeds/ac	35.9
P-Value	0.2985
CV	2.5%
Significance	No

STRIP YIELD



Summary: There was no significant yield difference between soybeans seeded at 190,000 seeds/ac, 160,000 seeds/ac, and 130,000 seeds/ac on 10" row spacing. Soybean plant stand ranged from a high of 171,000 plants/ac to a low of 139,000 plants/ac when assessed at growth stage V1.