

## Soybean Seeding Rate Trial

Trial ID: 2018-SP08 – R.M. of Morris

**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	Morris
Previous Crop	Oats
Soil Texture	Clay
Tillage	Conventional
Seeding Equipment	Planter
Planting Date	May 14, 2018
Variety	LS Eclipse
Row Spacing	30"
Harvest Date	September 10, 2018

### SEEDING RATE VS. PLANT STAND

Seeding Rate	Plant Stand @ V1	Plant Stand @ Harvest
190,000 seeds/ac	182,000	169,000
160,000 seeds/ac	123,000	135,000
130,000 seeds/ac	150,000	125,000

### PRECIPITATION†

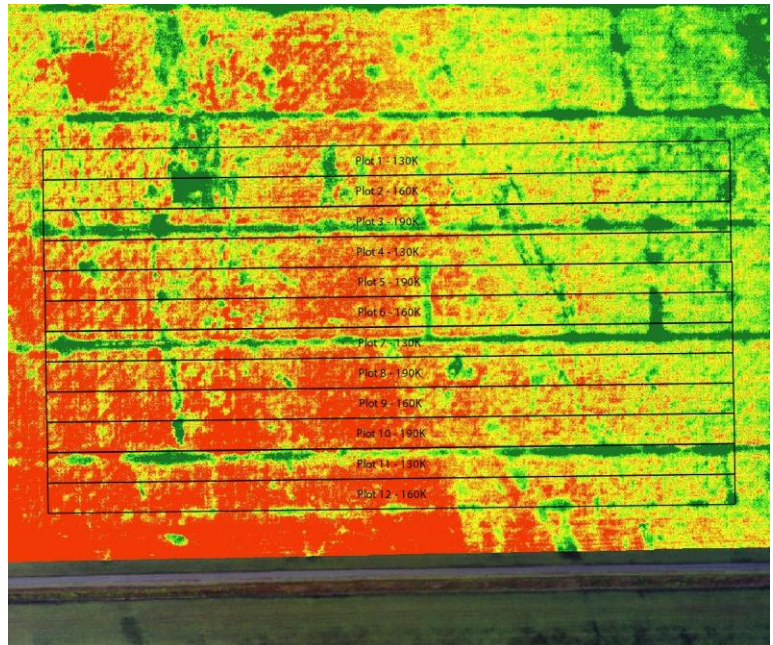
	May	June	July	Aug
Rainfall	30	73	66	29
Normal	54	86	72	65

† Growing season precipitation (mm)

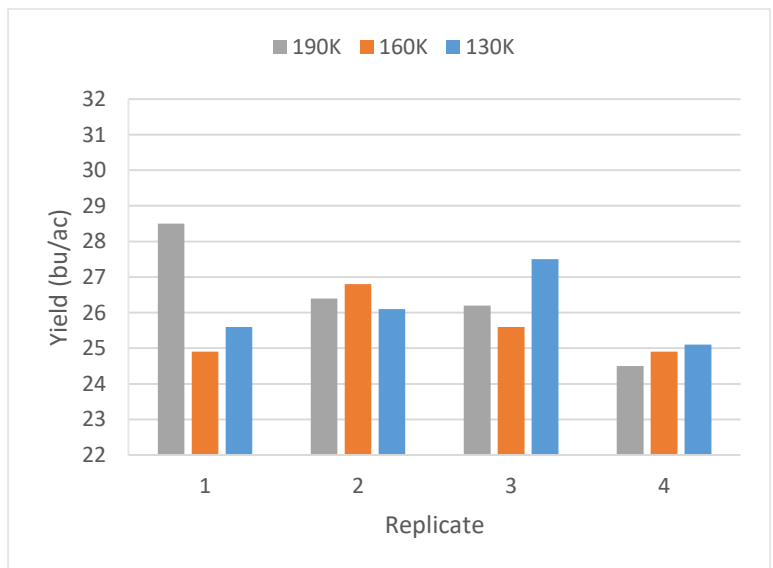
### OVERALL YIELD

	Mean (bu/ac)
190,000 seeds/ac	26.4
160,000 seeds/ac	25.6
130,000 seeds/ac	26.1
P-Value	0.6072
CV	4.5%
Significance	No

### NDVI FIELD IMAGE – AUGUST 11, 2018



### STRIP YIELD



**Summary:** There was no significant yield difference between soybeans planted at 190,000 seeds/ac, 160,000 seeds/ac, and 130,000 seeds/ac on 30" row spacing. Soybean plant stand ranged from a high of 182,000 plants/ac to a low of 123,000 plants/ac when assessed at growth stage V1.