

## Soybean Seeding Rate Trial

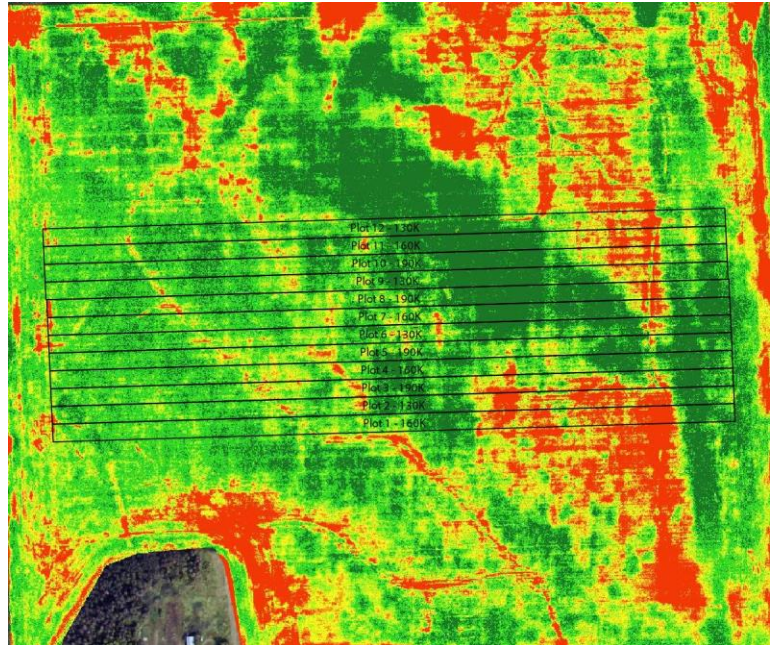
Trial ID: 2018-SP01 – R.M. of Springfield

**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	Springfield
Previous Crop	Ryegrass
Soil Texture	Clay
Tillage	No-till
Seeding Equipment	Planter
Planting Date	May 6, 2018
Variety	McLeod R2
Row Spacing	15"
Harvest Date	September 20, 2018

### NDVI FIELD IMAGE – AUGUST 13, 2018



### SEEDING RATE VS. PLANT STAND

Seeding Rate	Plant Stand @ V1	Plant Stand @ Harvest
190,000 seeds/ac	172,000	183,000
160,000 seeds/ac	146,000	141,000
130,000 seeds/ac	125,000	123,000

### PRECIPITATION†

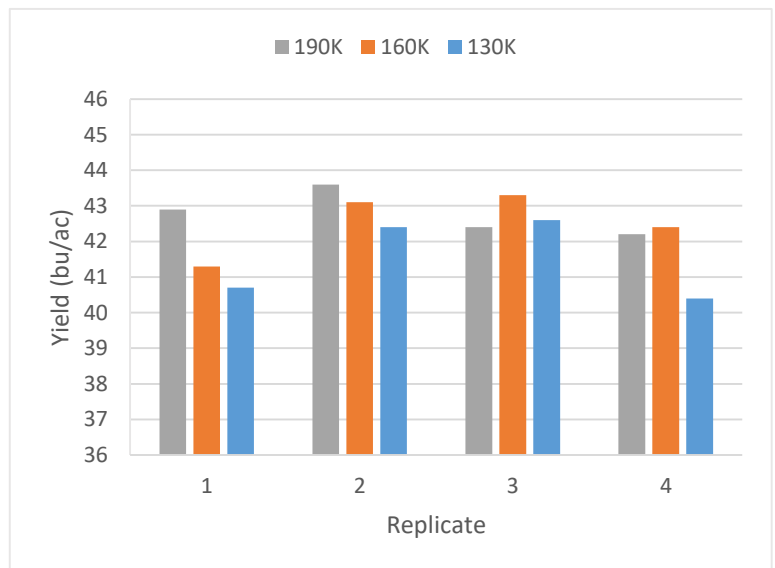
	May	June	July	Aug
Rainfall	39	93	32	63
Normal	54	91	81	74

† Growing season precipitation (mm)

### OVERALL YIELD

	Mean (bu/ac)
190,000 seeds/ac	42.8
160,000 seeds/ac	42.5
130,000 seeds/ac	41.5
P-Value	0.0819
CV	2.4%
Significance	No

### 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 15" row spacing. Soybean plant stand ranged from a high of 172,000 plants/ac to a low of 125,000 plants/ac when assessed at growth stage V1.