

Soybean Seeding Rate Trial

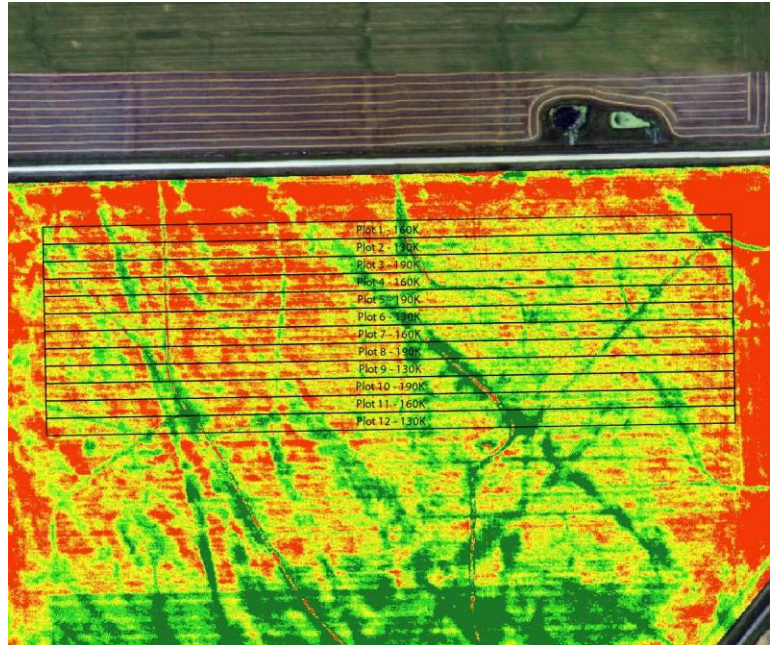
Trial ID: 2018-SP07 – R.M. of Morris

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	Spring Wheat
Soil Texture	Clay
Tillage	Conventional
Seeding Equipment	Air Drill
Planting Date	May 12, 2018
Variety	DKB005-52
Row Spacing	9"
Harvest Date	September 6, 2018

NDVI FIELD IMAGE – AUGUST 11, 2018



SEEDING RATE VS. PLANT STAND

Seeding Rate	Plant Stand @ V1	Plant Stand @ Harvest
190,000 seeds/ac	175,000	168,000
160,000 seeds/ac	127,000	126,000
130,000 seeds/ac	125,000	120,000

PRECIPITATION†

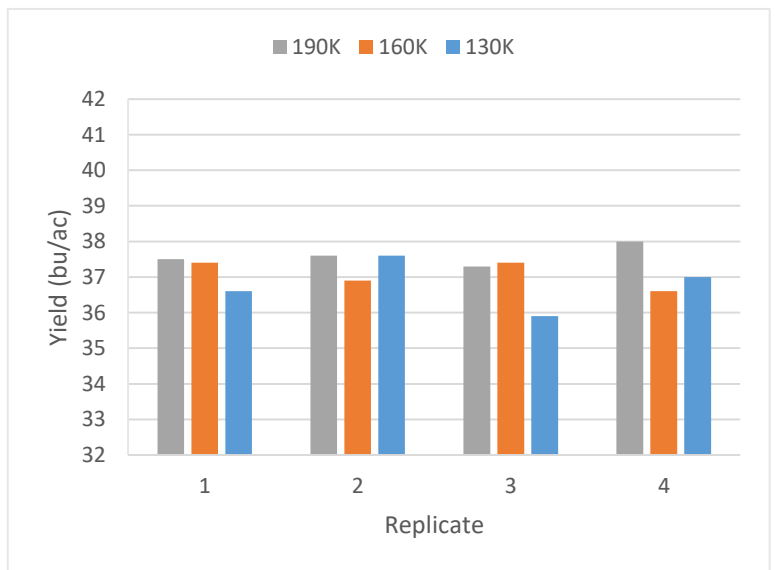
	May	June	July	Aug
Rainfall	30	73	66	29
Normal	54	86	72	65

† Growing season precipitation (mm)

OVERALL YIELD

	Mean (bu/ac)
190,000 seeds/ac	37.6
160,000 seeds/ac	37.1
130,000 seeds/ac	36.8
P-Value	0.1145
CV	1.6%
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 9" row spacing. Soybean plant stand ranged from a high of 175,000 plants/ac to a low of 125,000 plants/ac when assessed at growth stage V1.