

Soybean Seeding Rate Trial

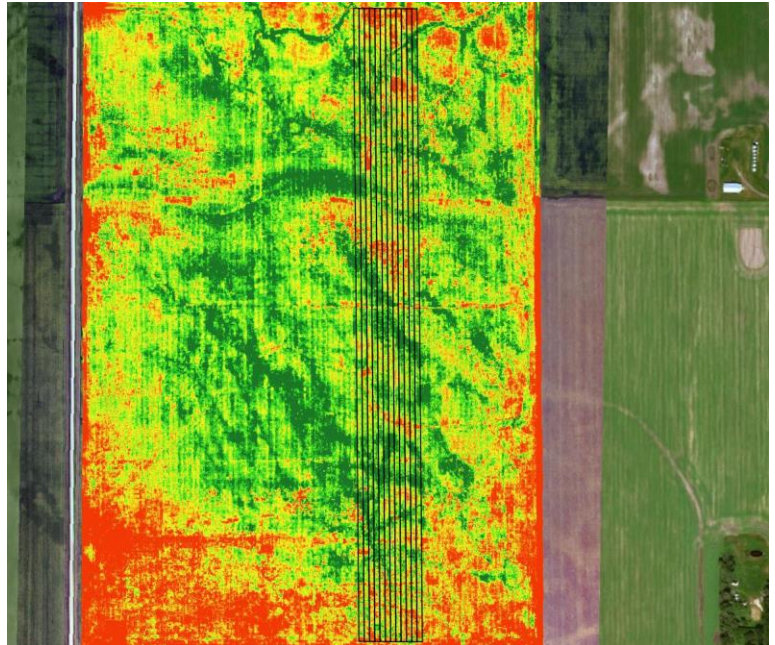
Trial ID: 2018-SP02 – R.M. of Roland

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	Roland
Previous Crop	Corn
Soil Texture	Clay
Tillage	No-till
Seeding Equipment	Planter
Planting Date	May 6, 2018
Variety	P007A90R
Row Spacing	30"
Harvest Date	September 4, 2018

NDVI FIELD IMAGE – AUGUST 13, 2018



SEEDING RATE VS. PLANT STAND

Seeding Rate	Plant Stand @ V1	Plant Stand @ Harvest
190,000 seeds/ac	159,000	158,000
160,000 seeds/ac	126,000	128,000
130,000 seeds/ac	113,000	114,000

PRECIPITATION†

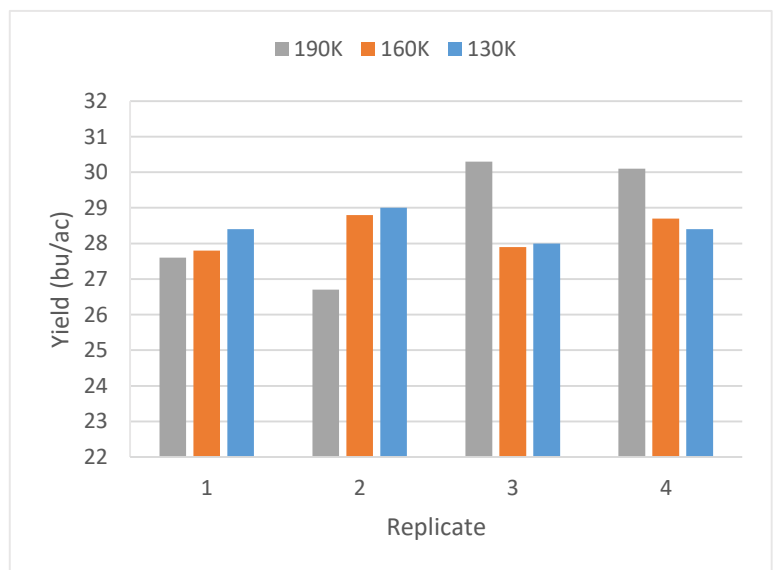
	May	June	July	Aug
Rainfall	42	92	44	28
Normal	54	81	66	71

† Growing season precipitation (mm)

OVERALL YIELD

	Mean (bu/ac)
190,000 seeds/ac	28.7
160,000 seeds/ac	28.3
130,000 seeds/ac	28.5
P-Value	0.8918
CV	3.6%
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 30" row spacing. Soybean plant stand ranged from a high of 159,000 plants/ac to a low of 113,000 plants/ac when assessed at growth stage V1.