

Soybean Seed Treatment Trial

Trial ID: 2016-SST10 – R.M. of Morris

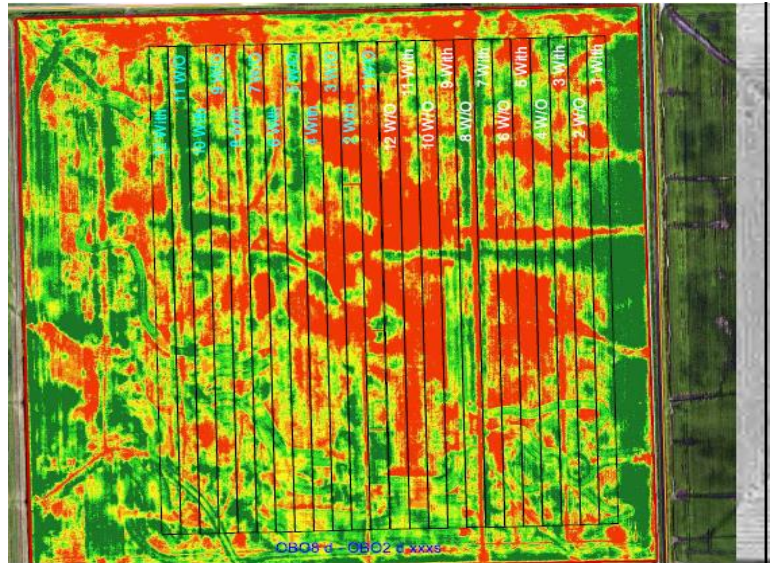
Objective: Quantify the agronomic and economic impacts of a seed treatment in soybean fields. A fungicide and insecticide seed treatment was compared to an untreated check strip.

TRIAL INFORMATION

Treatment	Cruiser Maxx Vibrance Beans
Rural Municipality	Morris
Previous Crop	Corn
Soil Description	Clayey Lacustrine
Tillage	Conventional
Planting Date	May 18, 2016
Variety	Astro R2
PRR Gene	1k
Row Spacing	20"
Seeding Rate	175,000 seeds/ac
Plant Stand @V1 (With)	58,000 plants/ac
Plant Stand @V1 (W/O)	84,000 plants/ac
Harvest Date	October 3, 2016

With = Treated, W/O = Untreated, PRR = Phytophthora Root Rot

FIELD IMAGE – AUG. 17 (GROWTH STAGE R5.5)



PRECIPITATION†

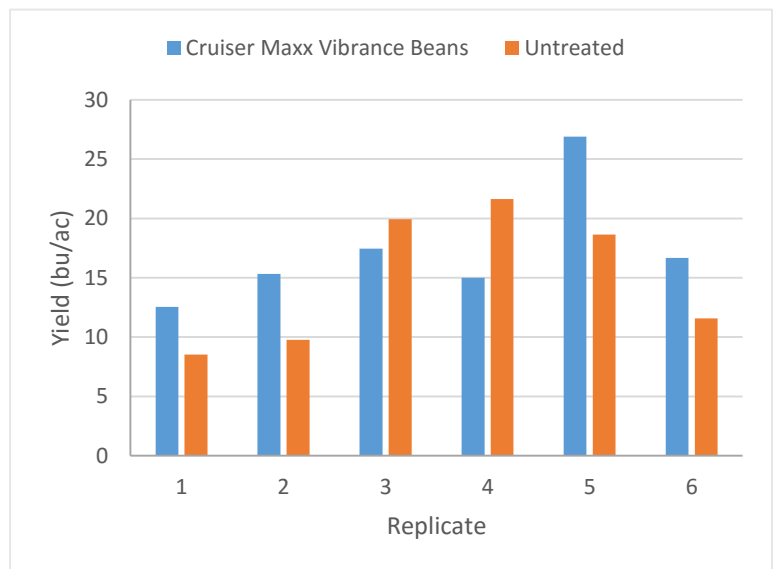
	May	June	July	Aug
Rainfall	58	120	80	85
Normal	60	80	75	70

† Growing season precipitation (mm)

OVERALL YIELD

	Mean (bu/ac)
Cruiser Maxx Vibrance Beans	17.3
Untreated	15.0
Yield Difference	2.3
P-Value	0.0032
CV	32.4%
Significance	Yes

STRIP YIELD



Summary: There was a significant yield difference between Cruiser Maxx Vibrance Beans seed treatment and untreated check strips. Wet conditions in the spring led to excessive root rot and drown outs through the entire trial area, and reduced plant stands within the field. The trial was taken to yield to see if seed treatment would provide a benefit under these extreme conditions; and a yield response was observed.