

Soybean Rolling Trial

Trial ID: 2019-SR06 – R.M. of Brokenhead

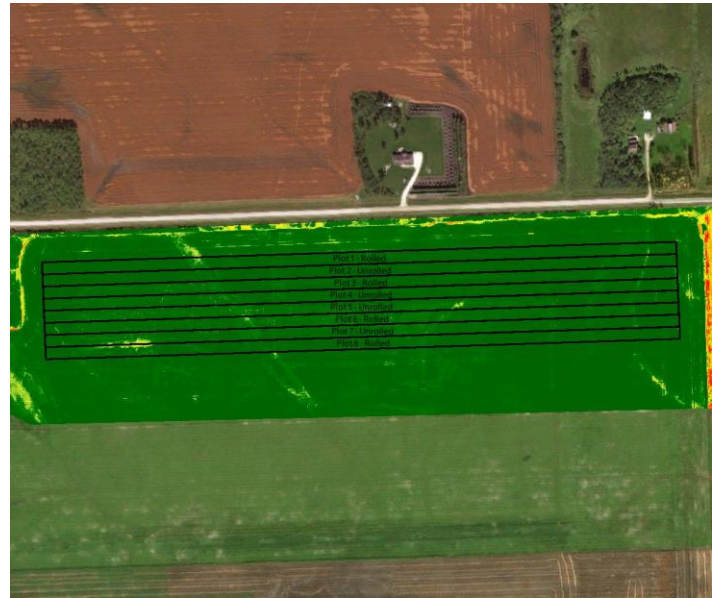
Objective: Quantify the agronomic impacts of rolling soybeans at a later stage than conventionally recommended.

Summary: There was no significant yield difference between soybeans rolled at V3 and unrolled soybeans.

Trial Information

Treatment	Late Rolling
Rural Municipality	Brokenhead, RM of
Soil Texture	Clay
Previous Crop	Meadow Fescue
Tillage	Conventional
Seeding Date	May 21
Rolling Date	July 2
Rolling Growth Stage	V3
Plant Stand (V3)	108 000 plants/ac
Variety	NSC Culross RR2X
Seeding Rate	180 000 seeds/ac
Row Spacing	15"
Harvest Date	October 30

NDVI Field Image – August 7, 2019



Precipitation (mm)

	May	June	July	August
Normal	54	89.9	73.4	72.6
Rainfall	19	45.4	65.7	59.6

Breakage at V4

Breakage was assessed in 20 ft of row length at one location in each strip, at V4. Average breakage measured in the rolled strips was 11 000 plants/ac.

Overall Yield

	Mean (bu/ac)
Rolled	34.9
Unrolled	33.8
Yield Difference	1.1
P-Value	0.5621
CV	6.9%
Significance	No

Yield by Treatment

