

North part of field.



South part of field.



Soybean R3 Fungicide Trial 2019 Site 10 Buchanan County

Planting date: 6/6/2019
Seeding rate: 140,000 seeds/acre
Variety: Pioneer P29A85L
Previous crop: Corn

R3 fungicide spray date: 7/19/2019
Product: Fortix (6 oz/acre)
Scouted: 7/11 and 7/30/2019

Harvested: 10/22/2019

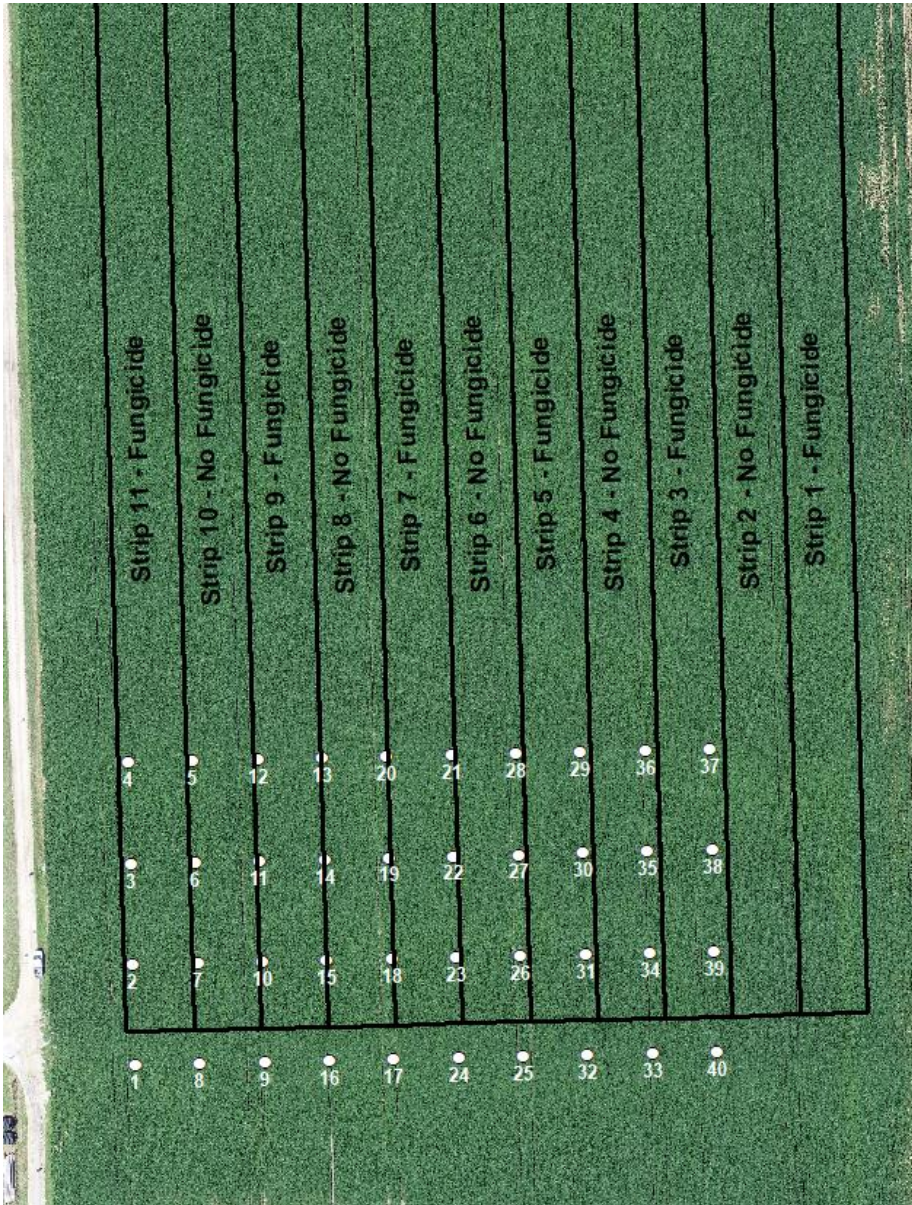
Replicates: 5

Original trial layout and as-applied map for an R3 fungicide application on July 19, 2019. Treated areas received the fungicide Fortix (6 oz/acre). Aerial image was taken at 330 feet on July 12, 2019. Note that plot widths are correct; as-applied map was based on 60-foot wide passes, actual spray width was 50 feet.

Soybean R3 Fungicide Trial

2019 Site 10

Buchanan County



Final trial layout and scouting points in south part of field. Points were scouted on July 11 and August 23. Aerial image was taken at 330 feet on August 23, 2019.

Note at this location, due to an error, scouting points fell in the border areas between plots. Scouting data was not summarized.



● <60
 ● 61-64
 ● 65-68
 ● 69-72
 ● 73-76
 ● 77-80
 ● >80 bu/A

Soybean R3 Fungicide Trial

2019 Site 10 Buchanan County

Soybean yield map harvested Oct. 22, 2019: **north (left) and south (right) portion of the field**. Aerial image was taken at 330 feet on August 22, 2019.

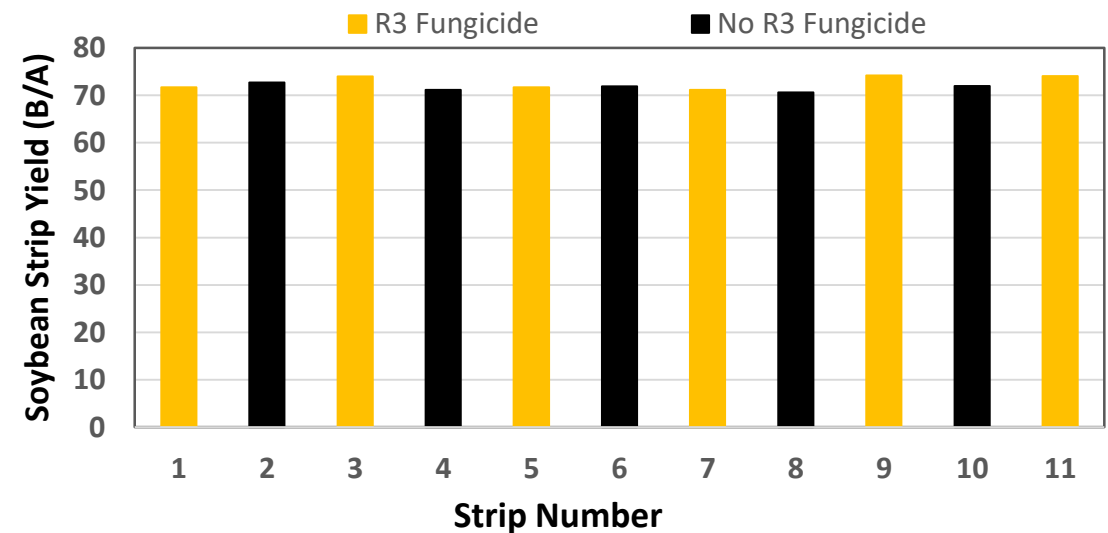
The triple x's (XXX) is a common point in the field with the north and south portions.

Soybean R3 Fungicide Trial

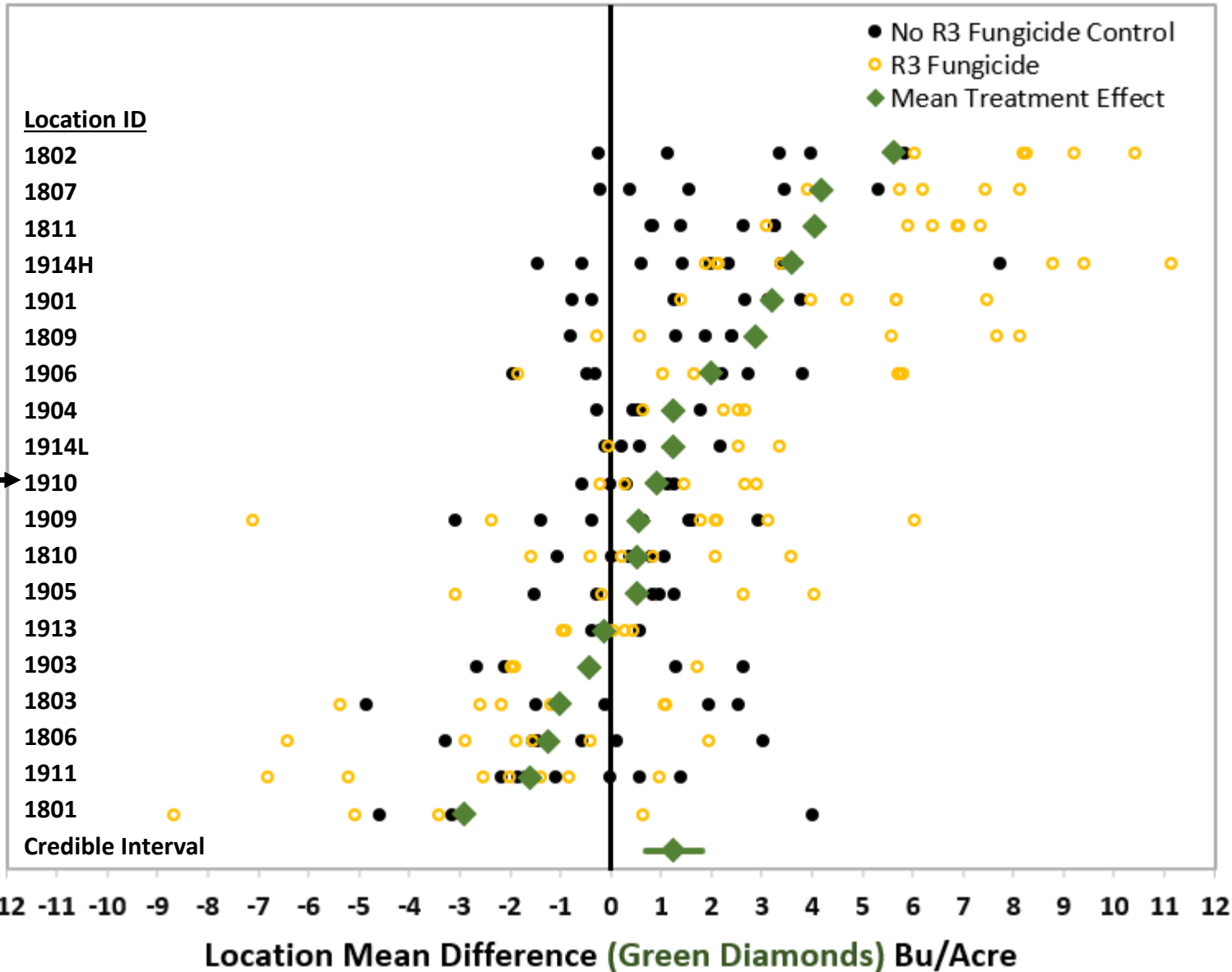
2019 Site 10 Buchanan County

Treatments	Mean	Delta Control
	<i>bushels/acre</i>	
All strips	72.3	--
Control (N)	71.7	--
R3 Fungicide (F)	72.8	1.1

Strip	1	2	3	4	5	6	7	8	9	10	11
Fung.	Y	N	Y	N	Y	N	Y	N	Y	N	Y
Yield	71.7	72.7	74.0	71.2	71.7	71.9	71.2	70.6	74.2	72.0	74.1



R3 Fungicide for Soybean: Effect on yield



Key Points:

- Across these 18 farms, R3 fungicide increased yield.
- The benefit was less than 2 bushels per acre.
- There was more than a 50% chance of a one bushel/acre response.
- Results by location suggested significant benefit a five of 18 locations.