

Soybean Seed Treatment Strip Trial

“MU Certified” Strip Trial Program

Objective:

Evaluate the effectiveness of fungicide plus insecticide seed treatment in managing early season diseases and their impact on soybean yield.

Approach:

Compare two treatments: **soybean with a fungicide plus insecticide seed treatment** versus a **no-seed treatment control**.

Key design elements:

- Farmer provides fungicide plus insecticide treated, and untreated seed. Farmer selects both the fungicide and insecticide used. We will accept trials that are fungicide only.
- At least 10 strips (five replicates of each treatment).
- This can be a split planter trial if planter and combine match.

Information needed to layout trial:

Farmer Name:	Phone:	Email:
MU Extension Contact:	Phone:	Email:
Applicator/Ag Specialist Name:	Phone:	Email:

Field Information	
Field location/size (include GPS coordinates if you have them:	Plant/Harvest direction:
Can we use the whole field for the layout?	Target planting date:

Equipment		
Planter type/model:	Planter width (ft):	GPS enabled? yes or no
Combine type/model:	Combine width (ft):	GPS enabled? yes or no
Yield monitor type/model:		GPS enabled? yes or no

Key measurements:

- Fields will be scouted for early seedling diseases three and six weeks after emergence.
- Aerial imagery will be taken to evaluate percent emergence and the overall stand for each treatment.

Key additional information needed from farmer:

- Farmer will need to provide an as-applied planting map showing location of the treatment strips.
- Farmer will need to provide a GPS referenced harvest map.
- Cropping information including crop rotation, tillage method, soybean variety, planting date, seeding rate, harvest date, etc.

Key trial implementation notes:

- We will work with you to create a treatment map for your field. Typically will alternate treatments across the field.
- We will try to create a trial where you can do not change how you harvest.
- Work with your local extension specialist and state program staff if you have questions.

Interested?

- **Contact your local Extension Office, Kaitlyn Bissonnette (bissonnettek@missouri.edu; 573-882-9106), or David Kleinsorge (KleinsorgeD@missouri.edu; 573-884-8696).**

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