

# Field Crops Research Protocols

## Fungicide and Plant Growth Regulator Trial for Cereal Rye Seed Production

**Objective:** Determine the agronomic and economic effect of a fungicide and plant growth regulator on seed yield of cereal rye.

**Farmer-cooperator will:**

- Take photos throughout the project.
- Keep in contact with PFI with updates and questions.
- **Fall 2015**, plant cereal rye seed crop in 3 fields.
- **Spring 2016**, establish a minimum of 4 replications in each field as shown in the diagram below with randomized and replicated strips as follows:

*Field 1*

- Treatment:  
Fungicide
- Control:  
No fungicide

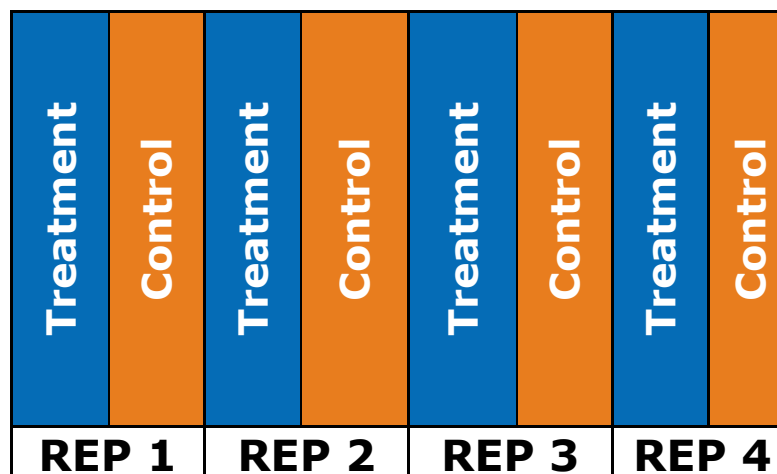
*Field 2*

- Treatment:  
Plant Growth Regulator
- Control:  
No PGR

*Field 3*

- Treatment:  
Fungicide+PGR
- Control:  
No fungicide or PGR

- Strips will be 30 feet wide and run the length of each field.
- **Summer 2016**, harvest cereal rye in strips from each field, record yield of each strip.
- Turn in data to Practical Farmers of Iowa at the end of project.



**Practical Farmers of Iowa will:**

- Help set up monitoring protocol, monitor progress of project and provide support when needed
- Publish results in a PFI research report, on PFI website, and potentially other outlets
- Provide \$550 compensation for each field (\$1,650 total) at conclusion of the project in 2016

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*The terms of this Research Protocols document are subject to the terms of the individual Research Cooperator's Memorandum of Understanding agreement with PFI. To the extent these terms may differ or conflict, the Memorandum of Understanding shall control.*