

# Field Crops Research Protocols

## Fungicide Demonstration in Cereal Rye and Winter Wheat

**Objective:** Determine the effect of a fungicide on seed yield and germination rate of seed in cereal rye and winter wheat.

**Farmer-cooperator will:**

- Take photos throughout the project.
- Keep in contact with PFI with updates and questions.
- **Fall 2015**, plant cereal rye in one field; winter wheat in second field.
- **Summer 2016**, Apply fungicide to both fields leaving a check strip without fungicide as shown in the diagram below.
- Just after re-entry period has elapsed, collect plant biomass from the check strip in both fields to be analyzed for pesticide drift from the fungicide-treated portion of the field.
- Harvest cereal rye and winter wheat from treated area and check strip in both fields.
  - Determine seed yield and germination rate of seed.
- 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 \$200 compensation at conclusion of the project in 2016.

**Contact:** Stefan Gailans, Research and Field Crops Director, (515) 232-5661; stefan@practicalfarmers.org