

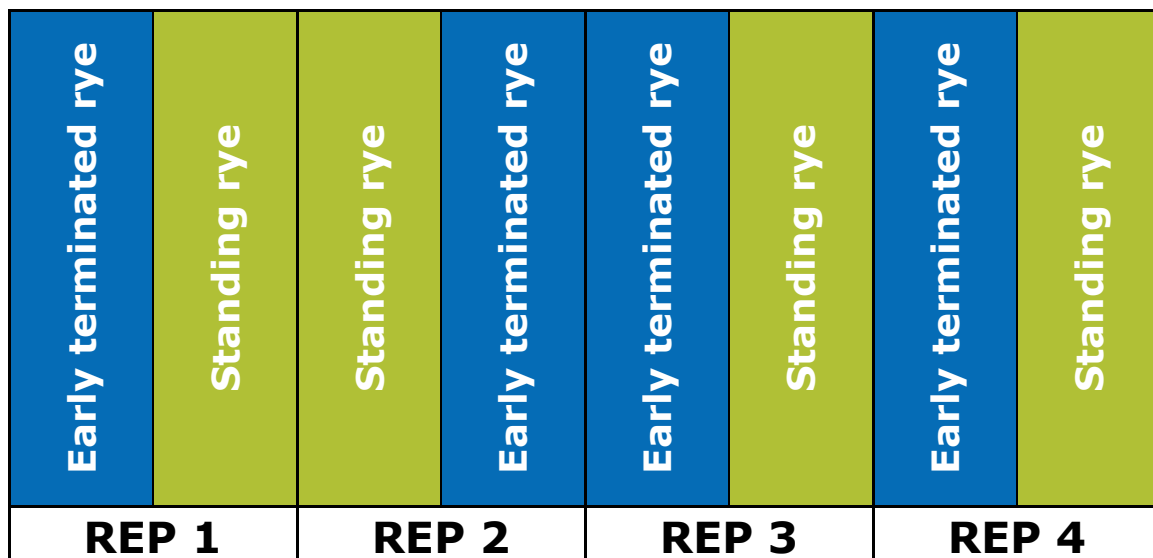
Field Crops Research Protocols

Soybeans Into Standing Rye Cover Crop

Objective: Quantify the agronomic performance of soybeans planted into an early and late terminated cereal rye cover crop.

Farmer-cooperators, *Bob Lynch & Jeremy Gustafson*, will:

- Take photos throughout the project.
- Keep in contact with PFI with updates and questions.
- **Fall 2014**, plant winter cereal rye.
- **Spring 2015**, terminate strips of rye with herbicide in mid- to late-April.
- Establish a minimum of 4 replications as shown in the diagram below with randomized and replicated strips of soybeans planted into strips of previously terminated (~7 days prior) rye and freshly terminated/dying 'standing' rye.
 - Collect aboveground biomass of rye from strips at each termination date
- Strips will be as wide as at least one combine pass and run the length of the field.
- **Fall 2015**, harvest soybeans from strips separately.
- Turn in data to Practical Farmers of Iowa at the end of the 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 at conclusion of the project in 2015.