

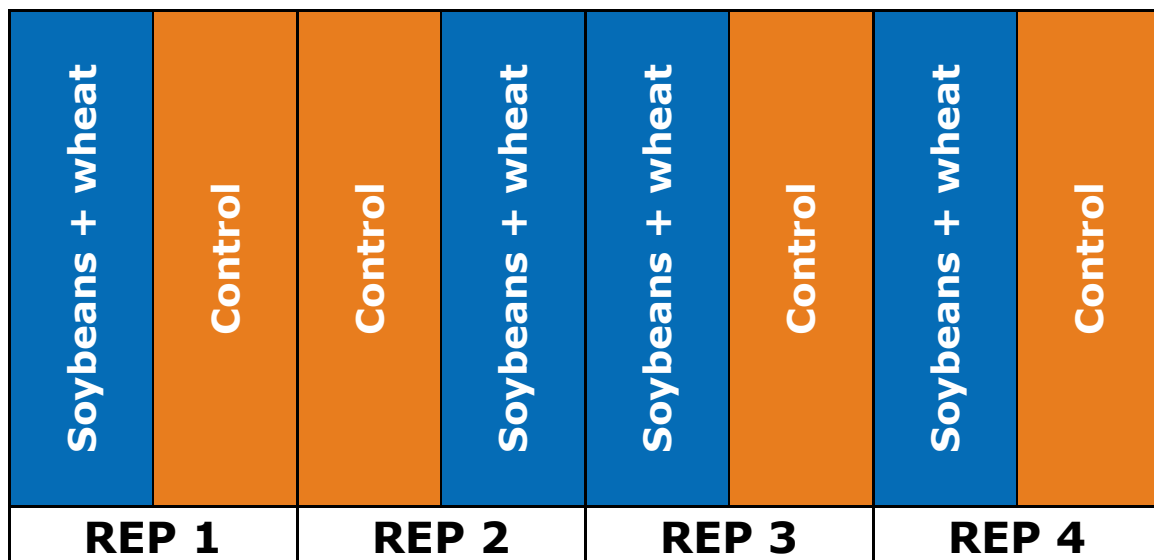
Field Crops Research Protocols

Winter wheat companion seeding for in-furrow weed control in organic soybeans

Objective: Quantify the agronomic performance of, and weed control in, soybeans receiving a companion seeding of winter wheat in the seed furrow.

Farmer-cooperator, Vic Madsen, will:

- Take photos throughout the project.
- Keep in contact with PFI with updates and questions.
- **Spring 2015**, Establish a minimum of 4 replications as shown in the diagram below with randomized and replicated strips of:
 - Soybeans planted with winter wheat seeded into furrow by insecticide bander;
 - Soybeans planted with no winter wheat companion (Control).
- Strips will be as wide as at least one combine pass and run the length of the field.
- **Summer 2015**, conduct weed counts in strips following interrow cultivation passes.
- **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.