

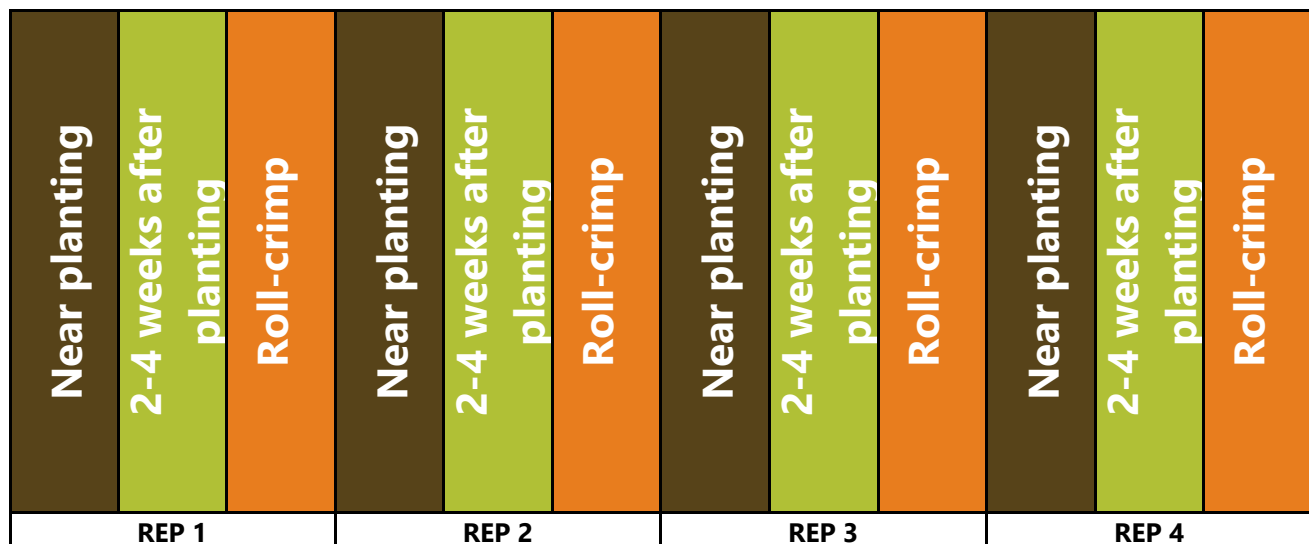
Field Crops Research Protocols

Terminating Cover Crops After Seeding Soybeans

Objective: Determine if a cover crop can be terminated 2-4 weeks after seeding soybeans without reducing soybean yields but possibly reducing herbicide use.

Farmer-cooperator will:

- Take photos throughout the project and keep in contact with PFI with updates and questions.
- **Fall 2017**, seed cover crop.
- **Spring 2018**, establish at least 4 replications as shown in the diagram below.
 - **Terminate cover crop with herbicide near the time of soybean seeding**
 - **Terminate cover crop with herbicide 2-4 weeks after time of soybean seeding**
 - **Terminate cover crop with roller-crimper 2-4 weeks after time of soybean seeding**
- Strips will be as wide as at least one combine pass and run the length of the field.
- Collect aboveground biomass samples of cover crop from strips just prior to termination.
- Seed soybeans on same date for all treatments.
- **Summer 2018**, take photos of progress.
- **Fall 2018**, harvest soybeans from strips individually.
- Turn in all info and data pertinent to this trial to Practical Farmers of Iowa by 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 when yield data is submitted at conclusion of the project in 2018.

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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.