

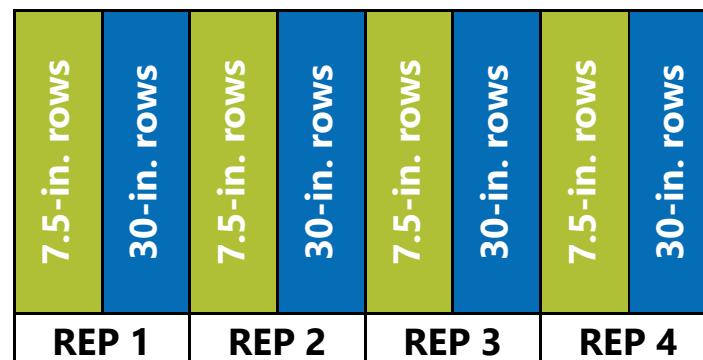
Field Crops Research Protocols

Soybean Row-Width for Roll-Crimping Cover Crop

Objectives: Determine if soybean row-width has any effect on the success of roll-crimping a cover crop.

Farmer-cooperator will:

- Take photos throughout the project and keep in contact with PFI with updates and questions.
- **Fall 2017**, seed cereal rye cover crop.
- **Spring 2018**, establish at least 4 replications as shown in the diagram below of both of the following soybean row-width treatments:
 - **Soybeans seeded in 30-in. rows**
 - **Soybeans seeded in 7.5-in. rows**
- Strips will be as wide as at least one combine pass and run the length of the field.
- Soybeans will be seeded into both treatments on the same date (prior to cover crop termination).
- Collect aboveground biomass samples of cover crop from strips just prior to termination.
- Roll-crimp cover crop to terminate in all strips when cover crop reaches anthesis stage.
- **Summer 2018**, take photos of progress.
- **Fall 2018**, harvest soybeans from strips individually.
- 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 2018.

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