Objective: Determine if (1) soybean row-width has any effect on the success of rolling a cover crop, and (2) whether soybeans seeded in 30-in. rows can be effectively sweep cultivated after rolling 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 of the treatments as shown in the diagram below:
  - Seed soybeans in 7.5-in. rows
  - Seed soybeans in 30-in. rows
  - Seed soybeans in 30-in. rows + sweep cultivation
- 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.
- Roll cover crop on same date for all row-width treatments.
  - Roll once cover crop reaches anthesis (pollen shed), ~early June.
- Summer 2018, take photos of progress.
- Perform sweep cultivation in dedicated treatment only.
- 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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