Objective: Determine if cover crop termination method and date has any agronomic and economic effect on soybeans.

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 4 replications as shown in the diagram below of the following treatments:
  - Terminate cover crop with tillage
  - Terminate cover crop at planting with herbicide after 2-3 mowings
  - Terminate cover crop at planting with herbicide (no mowing)
  - Terminate cover crop 2-3 weeks after planting with herbicide
- 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.
- Soybeans in all treatments will be planted on the same date.
- Summer 2018, take photos of crop 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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