

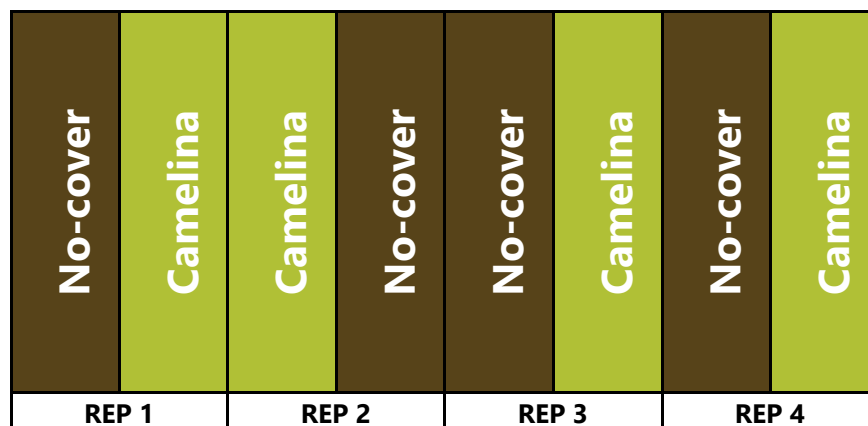
Field Crops Research Protocols

Camelina as a Cover Crop

Objective: Determine the suitability of camelina as a cover crop in corn-soybean systems in Iowa.

Farmer-cooperator will:

- Take photos throughout the project and keep in contact with PFI with updates and questions.
- **Summer 2018**, obtain camelina seed from Dr. Andy Lenssen and calibrate seed drill to drop 8 lb/ac.
- **Fall 2018**, drill camelina cover crop (8 lb/ac) to establish at least 4 replications as shown in the diagram below of two treatments:
 - **Camelina cover crop**
 - **No cover crop**
- Strips will be as wide as at least one combine pass and run the length of the field.
- Allow Dr. Lenssen's lab team to assess cover crop stand prior to hard freeze.
- **Spring 2019**, allow Dr. Lenssen's lab team to collect aboveground biomass samples of cover crop near the time of cover crop termination.
- Terminate cover crops in all strips on same date.
- Plant cash crop to all strips on the same date.
- **Summer 2019**, take photos of crop progress.
- Conduct stand counts of cash crop in all strips.
- **Fall 2019**, harvest cash crop from each individual strip on the same date.
- 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:

- Coordinate with Dr. Andy Lenssen (ISU) to provide camelina seed and cover crop sampling.
- 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 2019.

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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.