

Field Crops Research Protocols

Corn Planting Date Following Cover Crop Termination

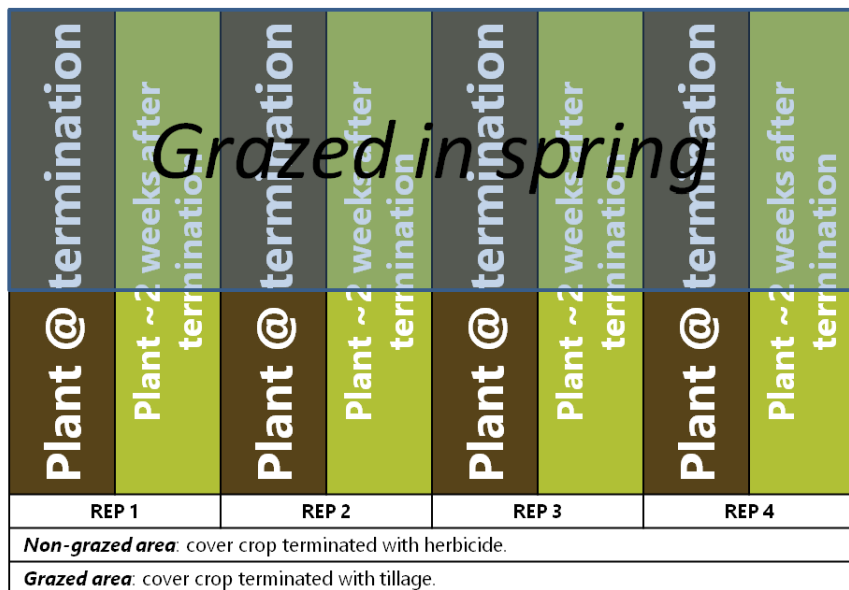
Objective: Determine if corn can be planted near the time of cover crop termination when the cover crop is terminated before 6-in. of growth is achieved.

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 two companion trials as shown in the diagram below:
 - **TRIAL 1, grazed area:**
 - **Plant corn at time of cover crop termination with tillage.**
 - **Plant corn 10-14 days after cover crop termination with tillage.**
 - **TRIAL 2, non-grazed area:**
 - **Plant corn at time of cover crop termination with herbicide.**
 - **Plant corn 10-14 days after cover crop termination 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.
- Plant corn to all strips on same date.
- Allow Dr. Alison Robertson's team to sample corn seedlings for disease prevalence.
- **Summer 2018**, photograph trial progress.
- Allow Dr. Robertson's team to sample mature corn plants for stalk disease prevalence.
- **Fall 2018**, harvest corn 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 coordinate with Dr. Robertson (ISU).
- 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 \$1,100 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.