

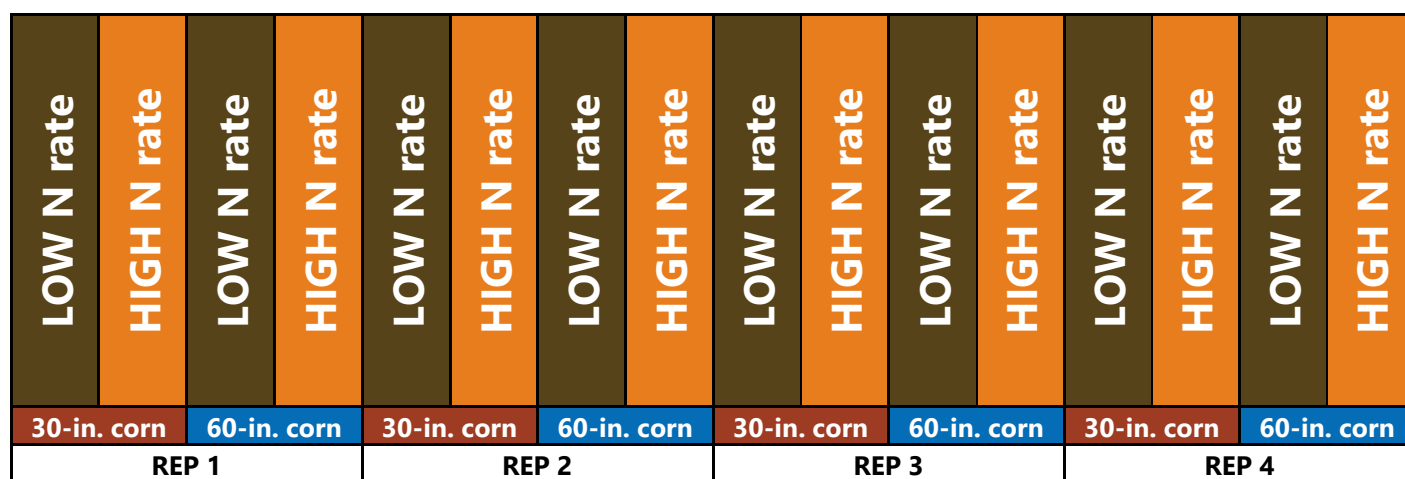
Field Crops Research Protocols

Nitrogen Rates for Interseeding Corn in 30- vs. 60-in. Rows

Objective: Determine effect of N rate on corn planted in wide rows and interseeded with a cover crop in late spring.

Farmer-cooperator will:

- Take photos throughout the project and keep in contact with PFI with updates and questions.
- **Spring 2018**, establish 4 replications as shown in the diagram below of the following treatments:
 - **30-in. corn + LOW N rate**
 - **30-in. corn + HIGH N rate**
 - **60-in. corn + LOW N rate**
 - **60-in. corn + HIGH N rate**
 - LOW and HIGH N rates TBD.
- Strips will be as wide as at least one combine pass and run the length of the field.
- Corn in all treatments will be planted on the same date.
- Corn in all treatments will be interseeded with a cover crop on same date.
 - Interseeded cover crop TBD.
- **Summer 2018**, take photos of interseeded cover crop progress.
- **Fall 2018**, collect aboveground biomass samples of cover crop from strips near corn harvest.
- Harvest corn 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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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.