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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