**Objective:** Quantify the agronomic performance of soybeans planted into an early and late terminated cereal rye cover crop.

**Farmer-cooperators, Bob Lynch & Jeremy Gustafson, will:**

- Take photos throughout the project.
- Keep in contact with PFI with updates and questions.
- **Fall 2014,** plant winter cereal rye.
- **Spring 2015,** terminate strips of rye with herbicide in mid- to late-April.
- Establish a minimum of 4 replications as shown in the diagram below with randomized and replicated strips of soybeans planted into strips of previously terminated (~7 days prior) rye and freshly terminated/dying ‘standing’ rye.
  - Collect aboveground biomass of rye from strips at each termination date
- **Strips will be as wide as at least one combine pass and run the length of the field.**
- **Fall 2015,** harvest soybeans from strips separately.
- Turn in data to Practical Farmers of Iowa at the end of the project.

**Early terminated rye**

<table>
<thead>
<tr>
<th>REP 1</th>
<th>REP 2</th>
<th>REP 3</th>
<th>REP 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standing rye</td>
<td>Standing rye</td>
<td>Early terminated rye</td>
<td>Standing rye</td>
</tr>
<tr>
<td>Standing rye</td>
<td>Early terminated rye</td>
<td>Standing rye</td>
<td>Early terminated rye</td>
</tr>
</tbody>
</table>

**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 2015.

**Contact:** Stefan Gailans, Research Scientist & Cooperators’ Program Manager
(515) 232-5661
stefan@practicalfarmers.org