Objective: 1. Determine which pepper variety, Olympus or Revolution, produces more marketable fruits and total yield in side-by-side field trials in Iowa.

Farmer-cooperators, Mark Quee, Alice McGary, Rick Hartmann, Tim Landgraf, Jordan Scheibel & Suzan Jutz will:
- Take photos throughout the project and send to PFI for use in research report and blog.
- Keep in contact with PFI with updates and questions.
- Spring 2015, start pepper seedlings and transplant to field when appropriate.
- Establish a minimum of 4 replications (pairs) at the time of transplanting as shown in the diagram below with randomized and replicated plots of both varieties (Olympus and Revolution).
- Summer 2015, make note of all management practices throughout the growing season.
- Harvest peppers from each plot separately: record total number of peppers harvested per plot, number of red peppers harvested per plot, number of culls per plot and total weight of all peppers harvested per plot.
- Turn in all data by October 2015.

<table>
<thead>
<tr>
<th>Pair 1</th>
<th>Pair 2</th>
<th>Pair 3</th>
<th>Pair 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Olympus</td>
<td>Revolution</td>
<td>Revolution</td>
<td>Olympus</td>
</tr>
<tr>
<td>Revolution</td>
<td>Olympus</td>
<td>Olympus</td>
<td>Revolution</td>
</tr>
</tbody>
</table>

Practical Farmers of Iowa will:
- Help set up research protocol.
- Order and provide seeds of both pepper varieties.
- 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 cooperator payment at conclusion of project year.

Contact: Liz Kolbe, Horticulture Coordinator  
(515) 232-5661  
liz@practicalfarmers.org