

# Horticulture

## Research Protocols

### Clover as Living Cover in Walkways and Sideslopes of Double-Dug Beds

**Objectives:** 1. Determine if clover as a living cover has an effect on yield of cash crops in double-dug beds. 2. Evaluate effectiveness of clover as ground cover and weed control.

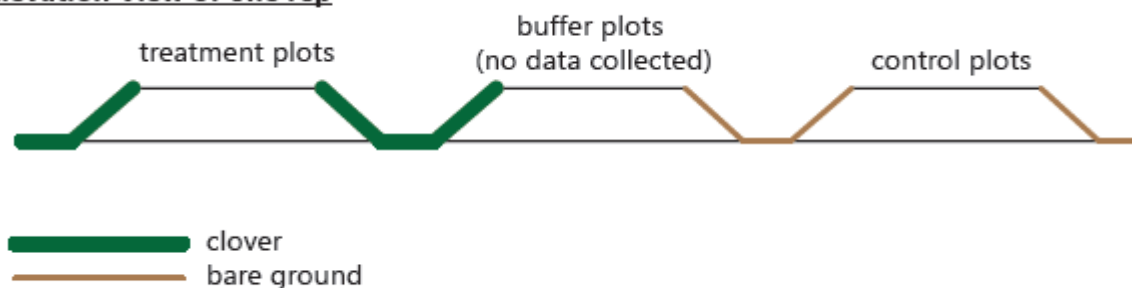
**Farmer-cooperator will:**

- **Take photos** throughout the project.
- Keep in contact with PFI with updates and questions
- **Spring 2016**, establish 4 replications of treatment and control plots in a randomized design (as shown in Elevation and Plan views below).
- Treatment plots will have clover established on walkways and sideslopes of the bed; walkways and sideslopes on control plots remain bare.
- **Summer 2016**, for each cash crop, measure and record yield as described in the Excel workbook.
- **Summer 2016**, use a quadrat to evaluate clover effectiveness as ground cover and weed control.
- Turn in all data to PFI by October 2016

**Practical Farmers of Iowa will:**

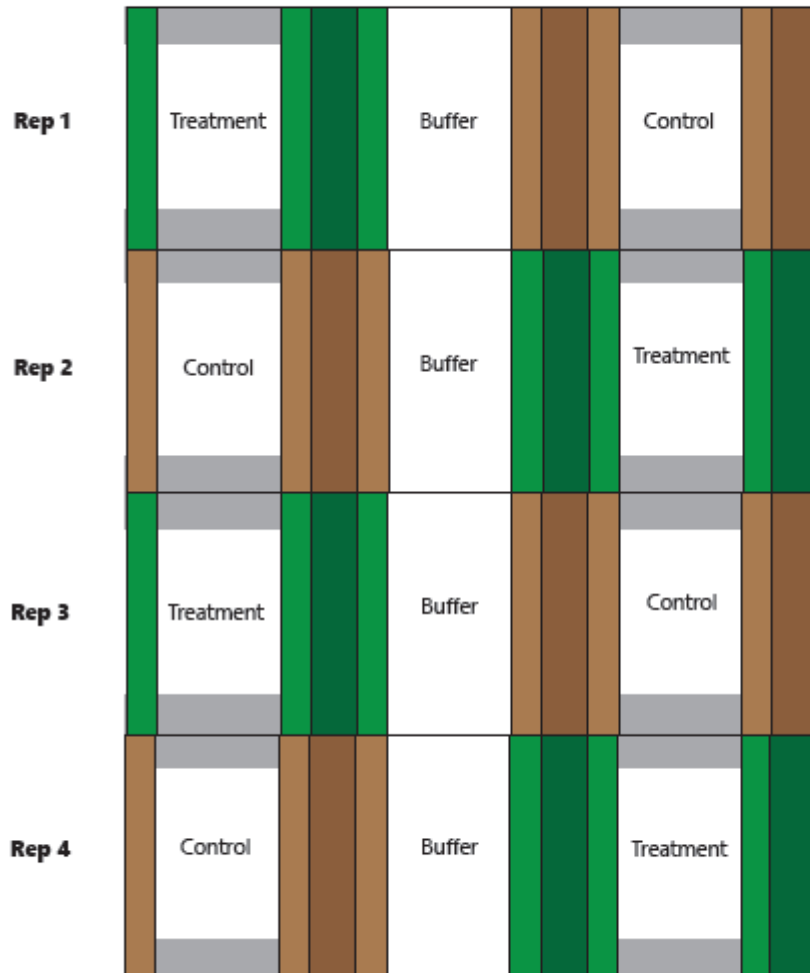
- *Help set up protocol including Excel workbook for data entry, provide support as needed.*
- *Analyze data and publish results in a PFI research report, on PFI website, and potentially other outlets.*
- *Provide \$550 cooperator payment at conclusion of project year.*

**Elevation View of one rep**



### **Plan View**

grayed out area is between-plot buffer;  
one ft on the end of each plot not recorded with plot data. This is optional.



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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.*