**Objective:** Determine the agronomic and economic effect of a biological soil stimulant on alfalfa hay yield.

**Farmer-cooperator will:**
- Take photos throughout the project.
- Keep in contact with PFI with updates and questions.
- **Spring 2016,** establish a minimum of 4 replications as shown in the diagram below with randomized and replicated strips of:
  - Alfalfa with biological soil stimulant (Soil stimulant)
  - Alfalfa without biological soil stimulant (Control)
- Strips will be as wide as at least one windrower pass and run the length of the field.
- **Summer 2016,** conduct sap tests and apply biological soil stimulant to assigned strips according to sap test results.
- Cut alfalfa hay from strips separately and document yields.
- Turn in data to Practical Farmers of Iowa at the end of the project.

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**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 2016.

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