

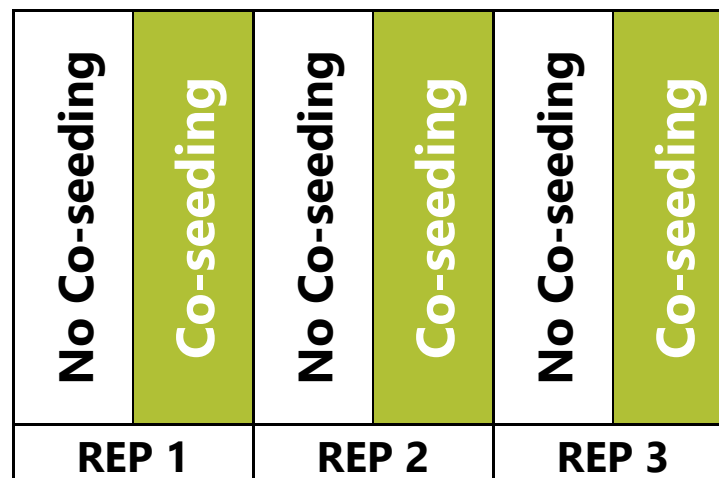
# Field Crops Research Protocols

## Co-seeding Silage Corn with Cowpeas

**Objective:** Determine if cowpeas co-seeded to silage corn at planting can survive through to the fall and improve silage yield and quality.

**Farmer-cooperator will:**

- Take photos throughout the project.
- Keep in contact with PFI with updates and questions.
- **Spring 2018**, plant corn of the same variety and plant population across entire field.
- Establish a minimum of 3 replications at the time of corn planting as shown in the diagram below with randomized and replicated strips of:
  - **Sole crop corn (no co-seeding)**
  - **Corn co-seeded with cowpeas**
- Strips will be as wide as at least one combine pass and run the length of the field
- **Summer 2018**, take occasional photos of strips to track persistence/survival of clovers.
- **Fall 2018**, harvest silage from each strip separately, record yield of each strip.
- Collect grab samples from each strip for silage analysis.
- Turn in data to Practical Farmers of Iowa at the end of 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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