

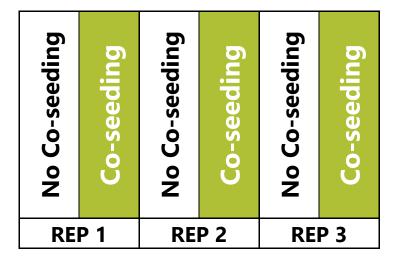
Field Crops Research Protocols

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 <u>at the time of corn planting</u> as shown in the diagram below with <u>randomized and replicated</u> 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 lowa 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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