

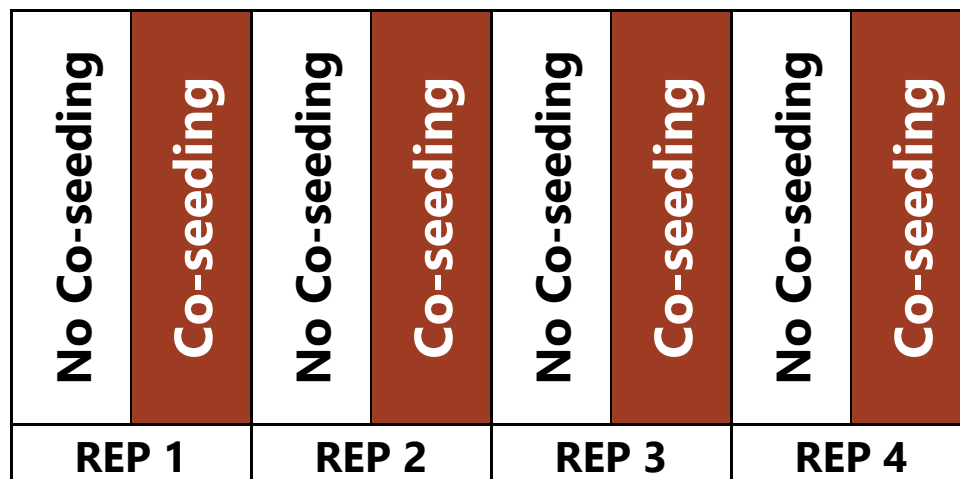
Field Crops Research Protocols

Co-seeding Corn with Clovers

Objective: Determine if clovers co-seeded to corn at planting can survive through to the fall and have any effect on corn yield.

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 4 replications at the time of corn planting as shown in the diagram below with randomized and replicated strips of:
 - Corn with no clovers (no co-seeding)
 - Corn co-seeded with clovers
 - Mix: crimson clover and red clover (cv. Southern Belle)
 - Clovers seeded using insecticide boxes on corn planter.
- 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**, collect biomass samples of co-seeded clovers just prior to corn harvest.
- Harvest corn from each strip separately, record yield of each strip.
- 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.

Contact: Stefan Gailans, Research and Field Crops Director, (515) 232-5661; stefan@practicalfarmers.org