



RESEARCH PROTOCOLS

Summer Cabbage Variety Trial

Objective: Determine which cabbage variety: Capture, Caraflex, Farao or Primo Vantage, produces the highest yield and quality summer cabbage in Iowa.

Hypothesis: ?

Farmer-Cooperator will:

- Follow Research Protocols for study
- Take photos throughout the project
- Keep in contact with PFI with updates and questions
- Turn in all data by November 2019

Practical Farmers of Iowa will:

- Help set up research 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 cooperator payment at conclusion of project year.

Project Design:

- 2 successions (July-August harvest)
- Each farm will set up a randomized, replicated trial with two successions. Each succession will have at least 4 replications.
- 4 varieties x 4 replications = 16 plots (per succession)
 - Capture, Caraflex Farao and Primo Vantage
 - At least 10 plants/plot

Example layout:

Rep1	Rep2	Rep3	Rep4
Capture	Caraflex	Primo Van	Farao
Farao	Capture	Caraflex	Primo Van
Primo Van	Farao	Capture	Caraflex
Caraflex	Primo Van	Farao	Capture

Data to Collect (see excel workbook):

- At harvest, Score plot for splitting, black rot, cabbage worms.
- Harvest cauliflower as mature, keep records by plot and harvest date. Record weight and count harvested by plot.
- Take photos of harvested heads (each variety), and the plants in the field.
- See excel workbook for pick sheets, scoring, and data entry.

Project Timeline:

March	April - Aug.	Oct. – Nov.
<ul style="list-style-type: none">• Edit/Approve Protocol• Send Liz seeds needed• Complete MOU & pre-survey• Liz will order seed	<ul style="list-style-type: none">• April: start seed• Layout plots• Update other cooperators and PFI with progress of trial• Conduct trial and collect data! Take photos!	<ul style="list-style-type: none">• Turn in data and photos• Take post-survey

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