

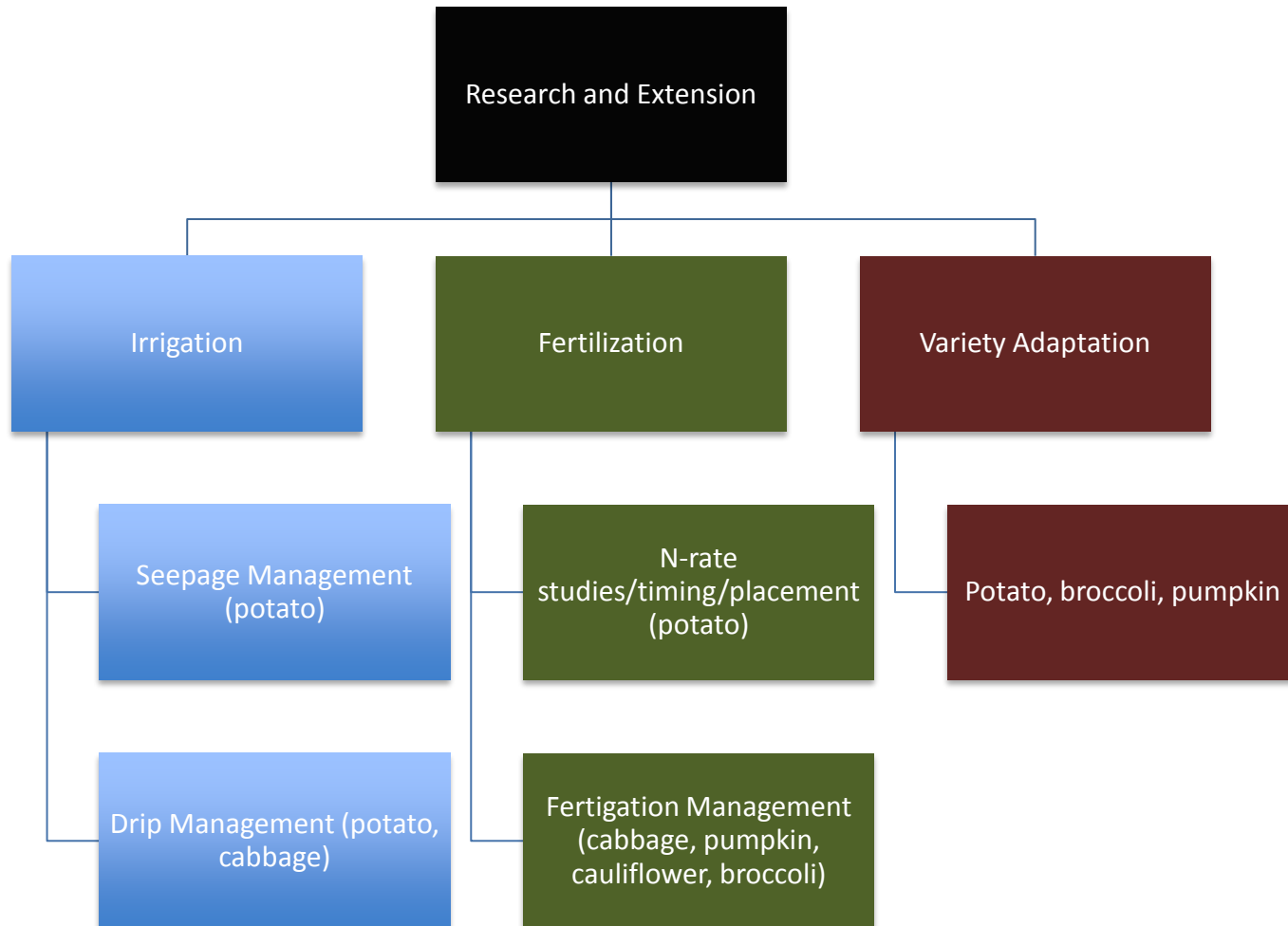
UF Partnership for Water, Agriculture & Community Sustainability at Hastings Downtown Facility

An aerial photograph of a large agricultural field, likely a sugarcane field, with a drainage canal in the foreground. The field is dark brown, suggesting it has been recently plowed or is in a dormant state. The canal is filled with water and has a grassy bank on the right side. In the background, there is a line of trees under a cloudy sky.

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Research/Extension/Educational Program Areas



Potato Research/Extension

BMP and Timing Trials

Objective: *“Improve N-fertilizer use efficiency of potato crop through rate, placement and timing of N-fertilizer on seepage”*

1. BMP trials

- ✓ (N-fertilizer rate, placement) – *combination of on farm research/demonstration and extension outreach*
- ✓ 2010; 2011 and 2012
- ✓ 6 growers
- ✓ 2 potato varieties

2. Timing trials

- ✓ (focus on N-application time, fumigation, emergence and sidedress)
- ✓ 2011; 2012
- ✓ 3 growers
- ✓ 2 potato varieties



Potato Research/Extension

BMP and Timing Trials

Who is working on this project:

1. Doug Gergela (support farm crew)
2. Dana Fourman
3. Libby Rens (PhD student)
4. Scott Taylor
5. Steven Land, Mark Warren, D. Dinkins
6. Dan Cantliffe
7. Tatiana Borisova
8. L. Zotarelli

BMP 2012 - Potato

N-rate

a) Atlantic

Farmer: John Revels, Mike Revels,
Frank Johns

b) FL1867

Farmer: Prim Parker, Mark Jones, Wesley Smith

Total N	Fumig	Emergence NR 1	6-8" NR2
100	50	0	50
150	50	0	100
150	50	50	50
200	50	50	100
200	50	100	50
250	50	100	100
250	50	150	50
300	50	150	100

BMP 2012 - Potato

Timing

a) Atlantic

b) FL1867

Total N (lb N/ac)	Fumig NR1	Emergence NR 2	6-8" NR3
200	0	50	150
200	0	100	100
200	0	150	50
200	50	0	150
200	50	50	100
200	50	100	50
200	50	150	0

Potato Research/Extension

BMP and Timing Trials

2012 – Efforts expected from TCAA-Extension Team

- ✓ Periodic agent visits to experimental sites during growing season to promote discussion of the visual results and correlate with previous data (2010; 2011);
- ✓ Field day – to present and discuss the trial with other growers based on results obtained from previous year;
- ✓ Present the results with growers (Nov/2012);
- ✓ Publish scientific paper and EDIS;

