



Science For A Better Life



MUCK CROPS RESEARCH STATION IPM 2017

This is the Muck Crops Research Station Report and IPM Information for Wednesday September 6, 2017

On Thursday, September 7th the Muck Crops Research Station will be hosting its annual Grower Field Day. All are welcome to view this year's variety and research trials from 8:30 a.m. to 4 p.m. Coffee and donuts will be provided by Stokes Seeds (Bridget Visser) and lunch is compliments of Solar Seed (John Verkaik).

With harvesting occurring in some fields, its important to think about establishing a cover crop. Last spring there was a lot of wind erosion occurring and cover crops help ensure the muck stays in the marsh.

Scouting is reduced to once a week now, and focuses primarily on just carrots.

Onion

Most onion fields are close to completion, either lodging, windrowing, or being harvested. If your onions are still up, downy mildew continues to be active and your field has a high risk of infection if the leaves are wet in the early morning.

Onion insect activity has plummeted, with no onion maggots found and only a little thrip activity with 0.25 thrips/leaf found on station.

Overall, if onions have lodged, we generally recommend no more fungicides or insecticide applications are needed.

Carrot

Carrots have bolted in several fields, potentially due to a cool night this week.

Current rust fly counts have bottomed out entirely as it seems the second generation is complete.

Aster leafhopper counts are generally low, and aster yellows are sporadic in some fields.

Leaf blights and Sclerotinia white mould have been seen throughout the marsh. Overall, neither are too severe. To prevent Sclerotinia, there is a carrot leaf trimmer available to rent for free at the Bradford Co-Op. By trimming the carrot leaves, the canopy is opened up which helps stops the development of Sclerotinia on the lower leaves.

Celery

Celery harvest seems to be ramping up around the marsh.

Leaf curl is still around, but the cooler weather has helped prevent outbreaks in most fields. Quadris and Switch are the currently registered fungicides for control. Other research has indicated applications of Pristine, Bravo ZN, Flint, or mancozeb (Dithane, Penncozeb, Manzate) for leaf blights may also contribute to leaf curl control, although Bravo and mancozebs likely act more preventatively than curatively.

A bacterial soft rot is showing up in a couple celery fields. Rogueing out affected plants/stems is the only reliable control recommendation.

BREMCAST – There has been no sporulation infection periods (SIP) for downy mildew on lettuce in the past week, meaning risk is low.

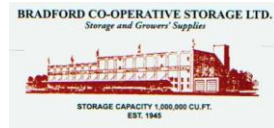
Soil Temperatures:

Sept 4: 5 cm – 18.6
10 cm – 18.7
20 cm – 17.6





Science For A Better Life



DATE (Aug-Sept, 2017)	TEMPERATURE (°C)		ACCUMULATED RAINFALL (mm)
	MAX	MIN	
29	22.1	15.4	0.0
30	23.4	12.5	0.0
31	25.5	8.5	2.4
1	18.1	7.9	0.0
2	19.9	2.9	0.0
3	20.4	1.1	7.4
4	21.6	12.7	13.4
5	27.4	10.8	8.2

