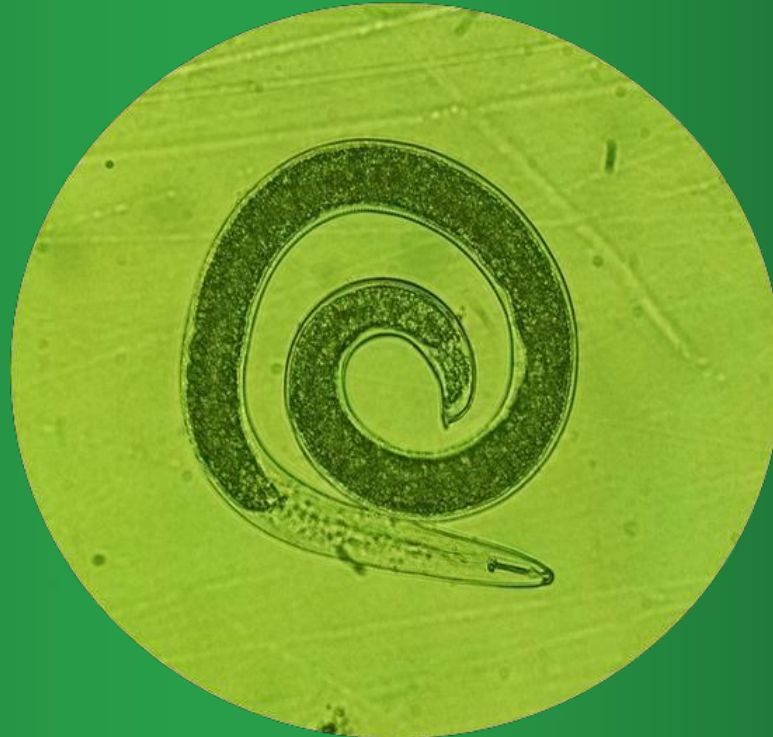


On The Radar



June 5th, 2020

Status by Crop

- Corn: V2-V3 stage
- Soybeans: V1 stage
- Potato
 - Early planted: 12" in height
 - Later planted: 100% emerged
- Cabbage
 - Transplants at cupping stage
 - Direct seed at 3 true leaves
- Carrots
 - Furthest at 3 true leaves

Blacklight Trap

- No significant numbers found for moths between our Grand Marsh & Hancock locations.
 - Earlier this week, a corn borer moth was caught
 - we expect to see more in the trap this coming week.

Potato Stand & Stem Counts



Once a field has reached full emergence & the plants have ideally at least 4"-6" in height, we assist growers by providing stats on the average number of plants per 10 ft and the average number of stems per plant.

The statistic of the average number of stems per plant provides the grower with some insight into the physiological age of the planted seed and a rough idea of the size profile they should expect come harvest.

Varieties will differ according to genetic or environmental interactions of the seed as well as agronomic practices based on end-use (e.g. fresh market or chip stock).

Storm Damage

- This week we had significant winds, heavy rain, and in some cases hail.
 - Following the storm on Tuesday we've assessed the damages to the crop. Below are potato and cabbage leaves that have leaf tears from hail.



Bird Feeding in Corn

Example image of a corn field with segments of missing corn plants in field due to Sandhill crane feeding.



https://www.canr.msu.edu/news/sandhill_crane_repellent_available_for_one_more_season

Soybean Population Counts

- Now is a good time to perform soybean population counts.



Hilling Operations - Potatoes



One of the purposes of hilling is as a cultivation method to control weeds.

Logistical Concerns:

- If the soil is dry, the soil that is thrown up will fall down and the weeds won't be controlled.
- Flat hill tops and steep hill sides versus a more arching, shouldered hill shape is associated to weed control and tuber development.
- Wait a couple days to re-assess weed pressure – emergence of new weeds may occur or larger weeds may not have been disturbed enough to die.

Carrots

Aster leafhoppers are in the area –

getting sweep net counts from sweeping the cover crop in fields to assess their populations in the field

In some instances, levels are high enough already to warrant insecticide spray, which is earlier compared past years.



Cabbage - Early Fungicide

- 1st fungicide applications going out on the cabbage at the cupping stage
 - getting a protectant spray out ahead of *Alternaria* leaf blight and bacterial black rot

Cupping Stage of Cabbage



<http://mylittlevegetablegarden.blogspot.com/2010/05/cabbage-updates-on-growth-stage.html>



<http://www.omafr.gov.on.ca/english/crops/facts/02-025.htm>



<https://www.invasive.org/browse/detail.cfm?imgnum=1572869>