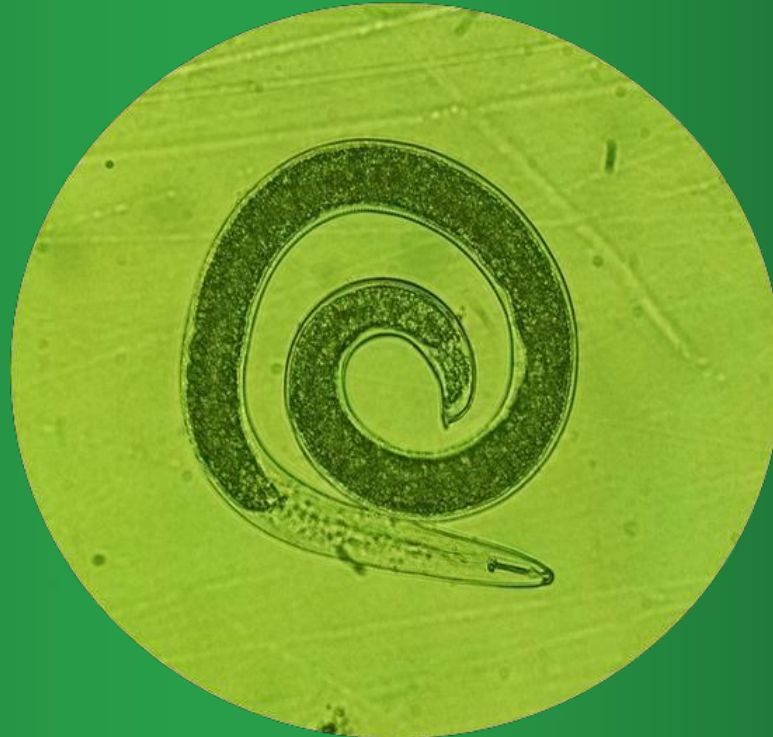


On The Radar



July 7th , 2023

Status by Crop

Corn: V7-V12

Soybeans:

Early planted: V5-R1.5

Late planted: VU-V3

Potato: Early Bloom – Early Tuber Bulking

Cabbage: 2 true leaves - Heading

Carrots:

Early planted: 80-90% canopy

Late planted: 4 true leaves

Blacklight Traps

Hancock, WI:

3 day interval – 2 spotted cutworm
2 western bean cutworm

4 day interval – 3 variegated cutworm
4 spotted cutworm
2 western bean cutworm

Grand Marsh, WI:

3 day interval – 2 black cutworm
1 dingy cutworm
1 forage looper
1 western bean cutworm
1 celery looper

4 day interval – 3 western bean cutworm
1 spotted cutworm



Corn Fungicide

Corn will begin to enter reproductive stages in the coming weeks.

Now is a good time for growers to start thinking about a fungicide application for when the corn is at 100% tassel



Anthracnose on Corn



We are beginning to see the symptoms of anthracnose in corn in lower canopy

Disease Diagnosis: Anthracnose Leaf Blight on Corn



After 1.5 days in a humidity chamber (Ziploc bag with moist paper towel), can get fungal structures to develop, which help confirm the causal agent.

The black spikes are called “setae” (see-tee).

They are a diagnostic sign that confirms the presence of an anthracnose-causing *Colletotrichum* spp.

Corn – European Corn Borer

We are seeing European corn borer larva pressure in our fields this week.

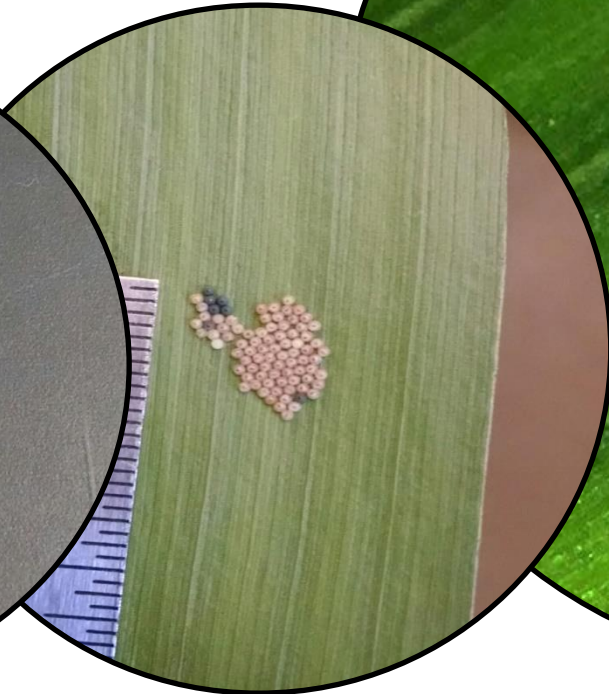
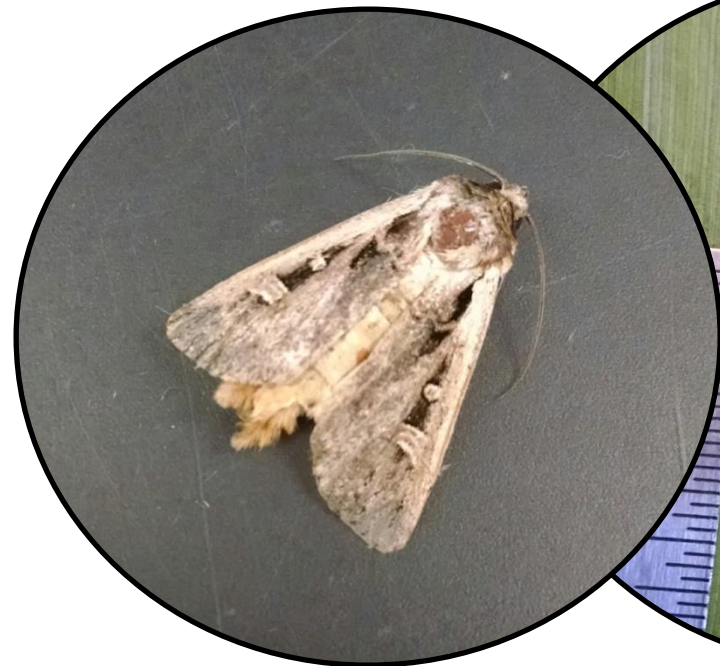
The upper right photo has a size comparison of a leaf to the 1st instar larva & frass on the neighboring leaf. The lower photo shows the feeding pattern.



Corn

Western Bean Cutworm

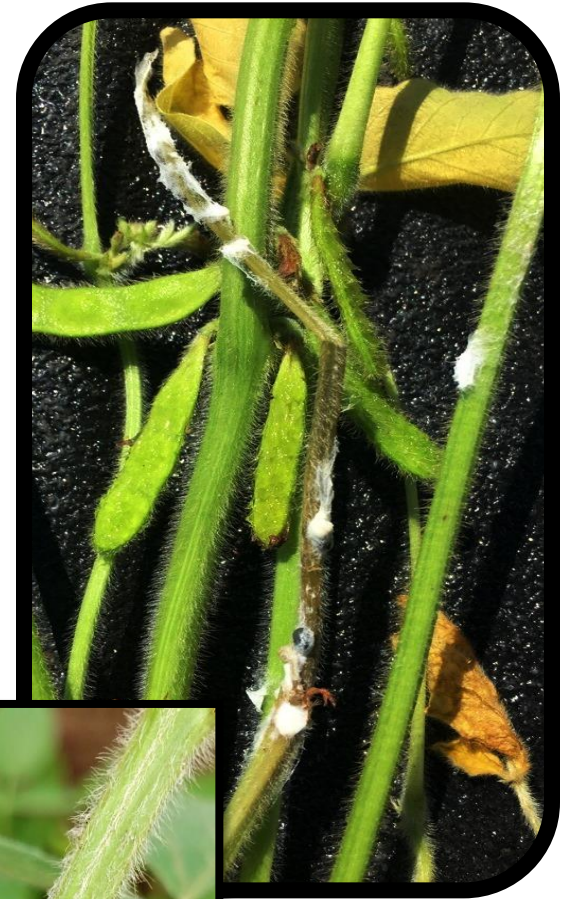
Observations of WBCW egg masses have increased in the past week. We have also observed first egg hatch. These tiny larvae will crawl up to the top of the plant and then eventually fall onto the silks and feed towards the ear.



Soybeans

The earliest planted soybeans have begun flowering, which means conditions can be conducive for white mold infection.

1st fungicide application should be at 30% bloom with a follow-up application 2 weeks later.



Soybeans

Symptomology of soybean cyst nematode (SCN), which can be easily diagnosed as other issues like nutrient deficiencies, soil compaction or other environmental stressors.

Observation of roots for the cyst presence or sampling of the soil along affected areas is the best way to diagnose if SCN are the culprit.



Potato – Tuber Set

Tuber set this
week on the
potato variety
Goldrush



Types of Potato Wilts

we may start seeing in coming weeks



Left: White mold on potato will cause wilting symptoms.

Center: Bacterial pathogens will invade the vascular tissue and cause foliar symptoms.

Right: early dying complex – due to nematode root damage and fungal invasion of vascular tissue

Potato

Potato Leafhoppers

Levels of Potato Leafhopper adults have been increasing this past week.

Potato Leafhopper Adult



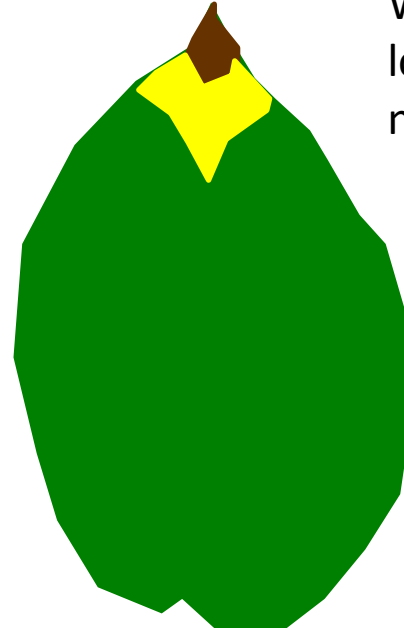
Potato Leafhopper Nymph



Potato Leafhopper Nymphs



We are starting to see low levels of PLH nymphs in fields



Potato Leafhopper nymphs cause the "hopper burn" on potato leaves

However, symptoms on red potatoes or in advanced infestations can be markedly different and may be difficult to distinguish from other maladies.

Carrots

- Early planted dicer tap roots are 9" long with 1" diameter.
- Early planted slicer tap roots are 10" long with ½" diameter.
- Herbicides are still going out to control weeds.
- The first fungicides went out this week on early planted fields before canopy closure.



Cabbage

- Transplants and direct seeded are at 80% canopy.
- Cupping leaves are just starting to tighten to form heads.



Cabbage Diamondback Moth Larvae



We are still finding diamond back moth larvae in all of the fields.

Cabbage Imported Cabbage Worm



We are starting to see imported cabbage worm egg masses in the fields and expect to see larvae next week. These eggs take between 5-8 days to hatch.