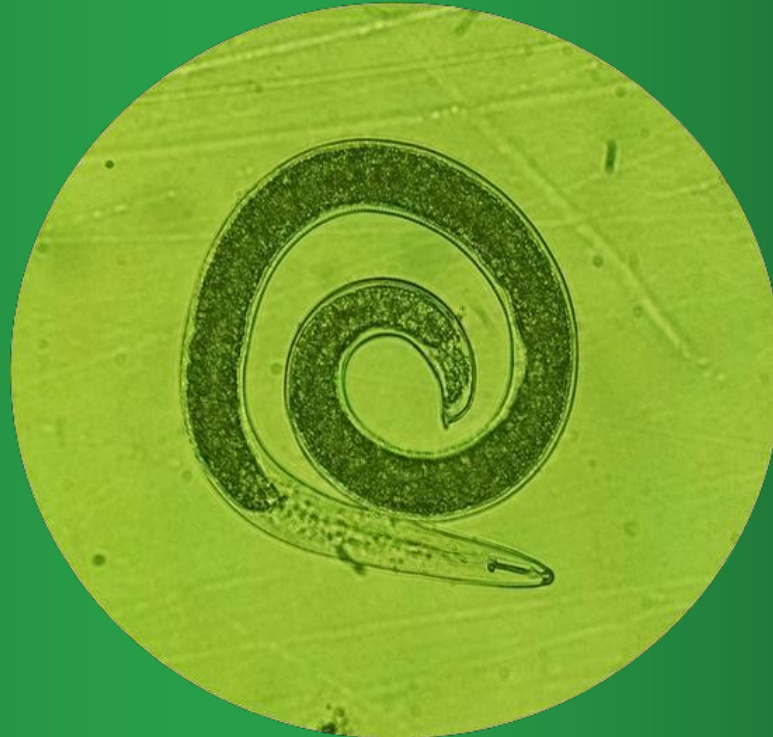


On The Radar



July 5th , 2024

Status by Crop

Corn: V5-V8

Soybeans: V3-R1

Potato: Budding-Tuber Bulking

Cabbage: Planted-Heading

Carrots: emerging – 7 true leaf

Blacklight Traps

Grand Marsh, WI:

- 1 corn earworm
- 3 celery looper
- 1 cabbage looper
- 1 dingy cutworm
- 13 spotted cutworm
- 1 black cutworm
- 2 variegated cutworm
- 1 forage looper

Next week we will have information from a few pheromone traps we have been setting up.



Beans beans beans

Wind & Rain Damage



Severe disease outbreaks often occur after a period of humid, rainy weather. Storms with heavy rain and high winds cause plant wounding which enable pathogens to enter and infect plant tissues. Wounds caused by damaging plants with farm machinery or field workers during cultivation can spread pathogens, especially when foliage is wet.

Corn - ECB

Beginning to see some European corn borer larva pressure in our fields this week.

We are scouting for the egg masses and checking 10 sets of 10 plants for larva feeding within a field.

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 type of feeding.



Potatoes



Keeping defoliation down from these larger larva is key during the flowering stages of the plant as the tuber yield is more easily influenced by defoliation at this stage.

Potato – Early Blight



Early blight lesions are starting to develop in the lower canopy leaves in some of our fields.

The key identifying feature to the lesion is a dark concentric ring pattern with sometimes a yellow halo.

Potato Early Dying



We have crews out this week doing Early Dying sampling – Early dying is a disease complex between *Verticillium dahliae* and root lesion nematodes.

Potato early dying tests will give you a risk rating that will help determine fumigation rates or if a nematicide is necessary.

Carrots

Side-dress fertilizer applications and bed-shaping underway!

With the added nutrients we're expecting the carrots to take off and start really putting out canopy.



View down the row of a carrot field that hasn't been re-bed-shaped. The rains we've received have caused a little more bed erosion, especially in the sandy fields. The bed shaping will help push the broadcasted fertilizer close to the carrot's root system.

Cabbage Loopers

Although seedlings are occasionally damaged, most injury occurs after heading. Loopers chew ragged holes in leaves and bore through and contaminate heads and leaves with their bodies. Young plants between seedling stage and heading can tolerate substantial leaf damage without yield loss.



Cabbage Looper