

# On The Radar



July 3<sup>rd</sup>, 2020

# Status by Crop

- Corn: V7-V8 stage
- Soybeans: R1 stage
- Potato
  - Early planted: 100% canopy & tuber bulking
  - Later planted: 80% canopy, 10% bloom
- Cabbage:
  - Transplants at 10" sized heads; full canopy
  - Direct seed at baseball sized heads; mid-canopy
- Carrots
  - Furthest at 75% canopy

# Blacklight Trap

- Grand Marsh, WI
  - Very little European corn borers caught
  - High catches of spotted cutworms, less compared to previous weeks
- Hancock, WI
  - Very little European corn borers caught

# Corn



When the conditions are optimal, corn can grow rapidly in a weeks time!

Optimal day temperatures for corn: 77-91 degrees F

Optimal night temperatures for corn: 74-62 degrees F

# Soybeans – White Mold

R1 stage of soybeans is an ideal time to get a white mold fungicide application out, and follow up with another application at R3.

This timing helps coat the soybean flowers with fungicide, reducing the chances of white mold spread through the lower canopy due to infected flowers falling off plant and through the canopy.

White mold infected plants will have white fuzzy mycelia growing on the stems (can be on the pods too).

When looking at the canopy, spotting and investigating yellowing plants is a way of determining if white mold is in your fields.

Commonly used white mold fungicides are: Endura, Delaro, Trivapro, & Aproach



# Potatoes – Early Blight



Observations of early blight lesions in potato fields were made this week.

Early blight found has only been seen in the lower canopy leaves with an occasional lesion per plant particularly along field edges.

# Potatoes – Blackleg



With this week's heat, blackleg infected plants have become more apparent.

Early signs of blackleg involve wilting and yellowing stems. On a closer look the base of the stem will already have necrotic tissue with a pungent odor. As blackleg progresses, the necrotic tissue will develop further up the stem.

# Potatoes – Bacterial Vine Rot



As the potato plants begin to mature and the canopy reaches 100% , conditions become more favorable for bacterial vine rot.

When vine rot starts making appearances in fields, managing the moisture of the field is a key player as well as getting copper bactericides applied. Late planted red potatoes are more likely to suffer from high levels of bacterial vine rot.

*Progressed bacterial vine rot*



# Cabbage – *Alternaria*



*Alternaria* lesions on leaf – lesions have same appearance as Early Blight of potatoes.

If you look closely, the lesions necrotic center has concentric circles and has a chlorotic (yellow) borders.

# Cabbage – Chafer Beetles



This week there has been an influx of chafer beetles, which resemble a Japanese beetle, but are more brown/tan in color & lack the metallic green color to their upper body.



They've been found flying around and landing on a lot of different crops, but feeding was only observed in cabbage fields.

# Carrots – Fungicides

*Alternaria leaf spot*



*Cercospora leaf spot*



With warm conditions favorable for fungal diseases such as Alternaria leaf blight, we are recommending fungicide sprays this week.



The above image is a good image depicting the size the largest carrots are at in fields so far.