

On The Radar



July 12th , 2024

Status by Crop

Corn: V9-VT

Soybeans: Early planted: V4-R1

Late planted: V2-V5

Potato: Tuber Initiation – Early Tuber Bulking; Early varieties vine killed

Cabbage: Cupping – Head bulking (basketball sized heads)

Carrots: Early planted: Full canopy; Late planted: 30% canopy

Blacklight and Pheromone Traps

Grand Marsh South 7-10-24

European Corn Borer – 2

Western Bean Cutworm – 1

Variegated Cutworm – 1

Spotted Cutworm – 1

Plover 7-11-24

Western Bean Cutworm – 1

Grand Marsh North 7-12-24

Western Bean Cutworm – 10

Coloma 7-12-24

Cabbage Looper – 3

Diamondback Moth – 1

Plainfield 7-12-24

Cabbage Looper – 0

Diamondback Moth – 0



Corn Tasseling

In some areas we are seeing corn beginning to tassel or is 2-5 leaves away from tasseling. Fungicides should go out before tassels are fully emerged or after the ear silks have been pollinated and have turned brown. This would be a good time to also put out an insecticide.



Corn

Western Bean Cutworm

Observations of WBCW egg masses have increased in the past week. Once the first eggs 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.



Corn Aphids

- Very low populations of aphids have been observed this week.
- We will usually find aphids clustered on the underside of the leaf



Soybean Japanese Beetles

Adults feed between leaf veins, resulting in a “skeletonized” appearance of the leaf. Thresholds depend on development stage and the source you look at but one example is 15% defoliation from R1 to R5. (1)

Scouting tip: Be sure to scout the whole field for defoliation because border treatments, if feasible, are often justified.

Source: “Corn & Soybean Field Guide”
Purdue Extension. 2013 ed. p 145



Potato

Late Blight Look-Alikes



Late Blight has not been found yet this season but there are many maladies that can look very similar such as potash fertilizer burn (left) and *Phytophthora nicotiana* (right)

Potatoes Vine Killed

- Short season little potatoes have started to get vine killed
- A handful of processing potato varieties have begun to get vined killed this week for early markets



Once vine killed the tubers will remain in the ground for a few weeks to achieve a good skin set before being harvested

Potatoes

2nd Generation Adults

- 2nd generation adults have begun to emerge
- Next week will be time to switch up the chemistry used to avoid the development of insecticide resistance within the CPB population.
- MinectoPro and Imidan have been found to be quite effective on 2nd generation adults



2nd generation adults have a darker orange color to their body and can be smaller in size compared to 1st generation CPB adults

Carrots

Preventative Fungicide

- Fungicide applications (chlorothalonil) have taken place on early and mid-planted carrot fields in order to delay and control leaf blights.
- Pictured below is a *Cercospora* infection and pictured on the right is *Alternaria dauci* infection.

(Both were pictured last year and we have not seen the onset of symptoms yet this season.)



Cabbage

- Largest direct seeded plants are still developing a canopy and Largest transplants have heads that are bulking and are at full canopy.





Diamondback Moth Cabbage

Serious pest of cabbage.

Although it is a pest of a different crop than Colorado Potato Beetle, it has a similar ability to develop resistance to a diverse array of insecticide chemistries.

A company called Oxitec has engineered male moths that “pass on a ‘self-limiting’ gene that prevents female offspring from reaching adulthood.” This same biotechnology has subsequently been used on mosquitoes as well.

To read more about it [click here](#).