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Ontario Crops Research Centre – Bradford (Muck Station) IPM Report 2024

This is the Muck Crops IPM Update for September 25, 2024

Highlights

- This will be the last week of scouting for the season. Thank you to all the growers and sponsors for supporting the IPM Program! Also, thank you to Dom for scouting this September. We look forward to working with you all again next year!
- This will also be the last IPM Update (Agriphone) of the season.
- Sclerotinia white mold has been found in a number of carrot fields. Severity may increase with the wet weather.
- Carrot rust flies are active in some fields.
- Some carrots are being harvested. Onion harvest continues.
- Carrot blight severity has been low to moderate.
- The Muck Station will be hosting the Ecorobotix-ARA Precision Sprayer Demonstration on October 8th from 10:30 am – 1:30 pm. Registration is free and lunch will be provided. More details [here](#). We look forward to seeing everyone then.

Disease Forecasting Highlight:

Sclerotinia (White Mold) on Carrot	General conditions for disease (TOMcast)	Lettuce downy mildew (BREMcast)
MODERATE RISK	MODERATE RISK	HIGH RISK

Carrot Update

Sclerotinia white mold has been found in several carrot fields. The severity of the disease may start to increase with the wet weather. Allegro 500F, Scholar 230SC, Luna Sensation and Switch 62.5 WG are registered for control and Miravis Duo and Fontelis are registered for suppression if you have the disease in your field. It is important to try and get these products down into the crown and lower canopy as best you can. Another option is reducing the canopy with a carrot leaf trimmer. The trimming cuts excess leaves and opens up the canopy allowing for more air flow between rows.



Madison Sirois - Scout





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Carrot rust flies are active in some fields. This generation can cause damage that can go undetected until harvest and it is important to spray if your field is over threshold. If your field is over the 0.1 rust flies/trap/day threshold Mako, UP-Cyde 2.5 EC, Labamba, Matador 120EC and Silencer 120 EC are registered for control.



Eriel Strauch - Scout

Carrot blights, Cercospora and Alternaria, are present in most fields, but severity has been low to moderate. When you are over the 25% of plants infected with leaf blight threshold, Cabrio, Flint, Quadris Top, Merivon and Bravo/Echo are registered for both Cercospora and Alternaria leaf blights. Copper 52W is only registered for Cercospora. Fontelis, Sercadis, Cantus, Pristine, Switch, Miravis Duo, Luna Sensation and Allegro are only registered to control Alternaria.

Celery Update

Celery harvest has been ongoing. Alternaria leaf spot and early blight (Cercospora) are the most common in fields. Some late blight (Septoria) is also present. There are many fungicides registered to manage blights in celery, which can be found on the [Ontario Crop Protection Hub](#). Celery leaf curl and insect damage has been minimal overall. However, if you are over the 0.1 - 0.2 tarnished plant bug/plant threshold, insecticides registered for control include Closer, Labamba, Matador 120EC, Sevin XLR and Orthene 97% SG, and Actara 25WG and Beleaf 50SG are registered for a reduction in damage.

Daily Weather

Date (Sept)	Max temperature (°C)	Min temperature (°C)	Rain (mm)
18	27.3	9.6	0.6
19	28.3	8.3	0.0
20	27.0	8.6	0.0
21	27.3	14.6	0.0
22	26.2	12.2	0.8
23	20.2	16.8	10.2
24	18.1	16.1	0.4

Soil Temperature (°C): 5cm: 18.4

Any questions or comments? Please call Tyler Blauel or Mary Ruth McDonald at 905-775-3783



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