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

This is the Muck Crops IPM Update for September 18, 2024

Highlights

- Carrot rust flies are active in some fields.
- Sclerotinia white mold has been found in a number of carrot fields; however, the disease generally has not increased in severity with the dry weather.
- Some early carrots have been harvested.
- Carrot blight severity has been low to moderate.
- Next week will be the last week of carrot and celery scouting for the season.
- The last IPM Update (Agriphone) for the season will also be sent out next Wednesday.

Disease Forecasting Highlight:

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

Carrot Update

Sclerotinia white mold has been found in several carrot fields; however, the disease has not increased in severity with the warm and dry weather, generally. 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

Aster leafhopper numbers continue to vary among fields. Sevin XLR, Admire 240 F, Actara 25WG, Closer and Sivanto Prime are registered if your field is over the 20 leafhoppers/trap or 1 leafhopper/sweep threshold.



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.





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Daily Weather

Date (Sept)	Max temperature (°C)	Min temperature (°C)	Rain (mm)
11	26.2	7.1	0.0
12	28.1	10.0	0.0
13	28.2	8.2	0.0
14	28.1	9.4	0.0
15	29.7	11.6	0.0
16	29.1	11.4	0.0
17	27.6	10.1	0.0

Soil Temperature (°C): 5cm: 17.2

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

