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

This is the Muck Crops IPM Update for September 11, 2024

## Highlights

- Thank you everyone for attending the 2024 Grower Field Day last week! The weather was great and we had lots of good conversations.
- 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.

## 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. 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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Second generation carrot rust flies are active in certain 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 and some fields are over the spray threshold. 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

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.





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## Daily Weather

Date (Sept)	Max temperature (°C)	Min temperature (°C)	Rain (mm)
4	26.3	7.7	0.0
5	26.3	7.6	0.0
6	24.6	13.6	1.0
7	13.9	6.8	1.2
8	18.3	4.3	0.0
9	20.9	11.7	3.6
10	24.7	6.8	0.2

Soil Temperature (°C): 5cm: 16.4

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

