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Ontario Crops Research Centre – Bradford (Muck Station) IPM Report 2025

This is the Muck Crops IPM Update for October 1, 2025

Highlights

- Thank you to our scout Kieran for all his hard work scouting carrot and celery fields this September!
- Thank you to all the growers who participated in the scouting program this year!
- Also, thank you to all our sponsors for supporting us, your contributions help keep our program running year after year!
- Sclerotinia white mold severity has slowly increased after the precipitation last week
- Aster leafhopper and carrot rust fly activity has been very minimal
- Carrot leaf blights are more common but have been managed well
- This will be the last week of scouting and IPM Reports for the season

Disease Forecasting Highlight:

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

Carrot Update

Sclerotinia white mold severity has been slowly increasing after the rain last week. Allegro 500F, Vantana, Scholar 230SC, Luna Sensation, Button 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.



Sclerotinia white mold
Scout – Kieran Farhall



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Aster leafhopper activity is minimal overall but if your field over the 20 leafhoppers/trap or 1 leafhopper/sweep thresholds Sevin XLR, Admire 240F, Actara 25WG, Closer and Sivanto Prime are registered.

Carrot rust fly activity has been minimal as well. However, if your field is over the 0.1 rust flies/trap/day threshold, or has remained close to it over a long period of time, Mako, UP-Cyde 2.5 EC, Labamba, Matador 120EC and Silencer 120 EC are registered for control. This generation of rust fly can cause damage and it is important to spray if your field is over threshold, but if you are looking to harvest within 3-4 weeks it may not be necessary to spray for rust flies as it takes at least one month from the time adults are present, or caught, to when their larvae are able to damage the carrot.



Aster yellows symptoms
Scout – Dylan Quanbury

Carrot leaf blights are common and conditions have been more suitable for the disease. If your field does have higher levels of blight and you are over the 25% of plants with blight threshold, Cabrio, Flint, Quadris Top, Merivon and Bravo/Echo are registered for both Cercospora and Alternaria leaf blights. Copper 52W is only registered to suppress Cercospora. Fontelis, Sercadis, Cantus, Pristine, Switch, Miravis Duo, Luna Sensation, Serifel, Button, Vantana and Allegro are registered to control Alternaria. If you are applying Luna Sensation to control Alternaria it may also help manage Cercospora as well.

All registered fungicides and insecticides for carrots can be found [here](#).

We will be visiting fields throughout October to take a 100-carrot harvest sample for disease and pest damage assessment.

Celery Update

The last celery fields are being harvested. Disease and insect damage were minimal and managed well throughout the season. Many soil-borne diseases, like pink rot and fusarium, were very minimal this year.

Daily Weather

Date (September)	Max temperature (°C)	Min temperature (°C)	Rain (mm)
24	22.0	15.4	0.2
25	20.8	15.8	8.6
26	25.4	12.7	0.0
27	26.6	13.2	0.0
28	23.4	9.0	0.0
29	26.8	6.2	0.0
30	23.2	6.3	0.0

Soil Temperature (°C): 5cm: 15.5

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



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