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

This is the Muck Crops IPM Update for August 28, 2025

Highlights

- A big thank you to our scouts Colin and Dylan for doing a great job scouting this year! As they finish up their last week they will be competing their final onion harvest assessments for all onion fields this week.
- Many onion fields are at various stages of lodging, windrowing and harvesting.
- Carrot canopies are closed and we are monitoring fields closely for Sclerotinia white mold now that conditions are wet and cooler.
- Aster leafhopper populations are high in some fields.
- Some carrot rust fly activity continues.
- The [2025 Muck Crops Research Station Grower Field Day](#) will be held next week on Thursday September 4th from 8:30am – 4 pm. Coffee and donuts will be served compliments of Stokes Seeds. Lunch will also be provided. Please feel free to drop by.
- This will be the last week of onion scouting for the season. Carrot and celery fields will be scouted once a week throughout September.
- IPM Updates (Agriphones) will also be sent out once per week throughout September.
- Cleanfarms is running their unwanted pesticide collection program from September 15-26. Their next collection won't be until 2028. For more information click [here](#).
- The Muck Station will be closed on Monday, September 1st for Labour Day. We are planning to scout carrot and celery fields on Tuesday to Friday next week.

Disease Forecasting Highlight:

Botrytis leaf blight (BOTcast)	Onion downy mildew (DOWNcast)	Stemphylium leaf blight (BSPcast)	White Rot on onions	Sclerotinia (White Mold) on Carrot	General conditions for disease (TOMcast)	Lettuce downy mildew (BREMcast)
LOW RISK	LOW RISK	LOW RISK	LOW-MODERATE RISK	LOW-MODERATE RISK	LOW-MODERATE RISK	HIGH RISK

Onion Update

Onion fields are at various stages of lodging. Some are being windrowed and harvested. Royal MH should be applied when bulbs are mature, have 5-8 green leaves and ~50% of tops have fallen to



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properly control sprouting in storage. Green tops are needed for the product to be absorbed into the bulb. Royal MH should be applied no later than 10 days before harvest.

Most onion fields no longer require fungicide sprays to protect from *Stemphylium* leaf blight. However, if your onions will be standing for a while we recommend alternating the group 7 fungicides (Miravis Duo, Sercadis, Aprovia/Aprovia Top and Merivon) with Allegro (group 29) for *Stemphylium* leaf blight suppression and resistance management. Resistance has been developing to the active ingredient in Sercadis and Merivon. The group 7 systemic products are effective for around 10-14 days and the contact fungicide Allegro is effective for around 7- 10 days.

We do not recommend spraying Quadris Top (group 11/3) or Luna Tranquility (group 7/9) as *Stemphylium* has developed resistance to these fungicides. There is very high resistance in *Stemphylium* to one of the fungicides in Quadris Top and high resistance to one of the fungicides in Luna Tranquility.

Spraying for *Stemphylium* is not necessary for lodging onion fields.

Scouts are finishing up their final onion harvest assessments this week. Onion diseases and maggot damage have been quite low this year. Pink root has been common but severity has been low overall.

Carrot Update

Carrot canopies are closed in now and some early carrots have been harvested. We haven't found any *Sclerotinia* white mold yet, but we are monitoring for it closely as these wet and cooler conditions are more suitable for disease growth.

Aster yellows has been found in many carrot fields. Aster leafhoppers continue to be active and populations are high in some fields. Sevin XLR, Admire 240F, Actara 25WG, Closer and Sivanto Prime are registered if your field is over the 20 leafhoppers/trap or 1 leafhopper/sweep thresholds.

Some carrot rust fly activity continues to be seen. This generation of rust fly can cause damage 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, or remaining 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.



Aster yellows symptoms
Scout – Dylan Quanbury

Some carrot leaf blights have been found, but disease incidence and severity are still low and do not require fungicide application at this time.

Starting next week, carrot fields will be scouted once a week throughout September.

Registered carrot herbicides can be found in the [Ontario Crop Protection Hub](#).



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Celery Update

Celery harvest continues in the marsh. Disease and insect damage has been minimal. Blights have been found regularly in celery, but severity is still low. There are many fungicides registered to manage blights in celery, which can be found on the [Ontario Crop Protection Hub](#). Some celery leaf curl has been observed and Switch 62.5 WG and Quadris Flowable are registered for control. Tarnished plant bugs have been active, but damage has been minimal.

Starting next week, celery fields will be scouted once a week throughout September.

Registered celery herbicides can be found in the [Ontario Crop Protection Hub](#).

Daily Weather

Date (August)	Max temperature (°C)	Min temperature (°C)	Rain (mm)
25	19.3	10.4	2.4
26	20.4	9.7	0.0
27	22.7	8.2	0.0

Soil Temperature (°C): 5cm: 17.1

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



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