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

This is the Muck Crops IPM Update for July 17, 2025

Highlights

- **Most fields have some level of Stemphylium leaf blight. Conditions are favourable for disease development**
- Some early transplant onions are lodging
- Thrips populations are growing and vary from field to field
- Early seeded carrot canopies are starting to close in
- Some carrot rust fly activity has been observed, but counts are generally low
- Aster leafhopper populations are high in some fields
- 1st generation onion maggot damage is being assessed

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	MODERATE-HIGH RISK	MODERATE RISK	LOW RISK	HIGH RISK	MODERATE RISK

Onion Update

Seeded onions are around the 7th to 8th true leaf stage. Some early transplant fields are starting to lodge.

Stemphylium leaf blight is very common in the marsh and conditions are favourable for disease development. Some tip dieback has also been observed, which can be an entry point for Stemphylium. 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.



Stemphylium symptoms
Scout – Dylan Quanbury



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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.

Thrips populations vary from field to field. The first shot of Movento has been applied in a number of fields. Movento should be sprayed back-to-back no more than 2 weeks apart for resistance management. After the two Movento applications and if your field surpasses the 3 thrips/leaf threshold, switch to a registered insecticide with a different mode of action. Products we would recommend applying next are Agri-Mek SC (group 6), Delegate WG (group 5), Minecto Pro (group 6/28) or Exirel (group 28). These insecticides should also be applied back-to-back, no more than 2 weeks apart.

Pre broadleaf weed emergence herbicides include Chateau and Prowl H2O. Post broadleaf weed emergence herbicides include Goal 2XL, Pardner and bromoxynil products. Registered herbicides can be found in the [Ontario Crop Protection Hub](#).

Carrot Update

Many carrots are around the 6th true leaf stage. Canopies are just starting to close in for some fields.

Some carrot rust fly activity has been observed throughout the marsh, although activity has been low overall. 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 Mako, UP-Cyde 2.5 EC, Labamba, Matador 120EC and Silencer 120 EC are registered for control.

Aster leafhoppers continue to be active and populations are high in some fields. The percent of aster leafhoppers with aster yellows coming from the south has also been fairly high. 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.

For early season weed control, registered herbicides can be found in the [Ontario Crop Protection Hub](#).

Celery Update

Celery harvest continues and later transplants are establishing well. Blights have been found regularly in celery, but severity is low. Celery leaf curl has been very infrequent. Tarnished plant bugs have been active, but damage has been minimal as well.

Daily Weather

Date (July)	Max temperature (°C)	Min temperature (°C)	Rain (mm)
14	30.9	16.3	0.0
15	33.2	15.4	0.0
16	34.2	16.1	0.0

Soil Temperature (°C): 5cm: 26.7

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



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