



Ontario Crops Research Centre – Bradford (Muck Station) IPM Update 2026

Date: June 29

Highlights

- **Stemphylium leaf blight has been identified on seeded and transplant onions, there is a high risk for disease development.**
- Many seeded onions are around the 5th true leaf stage.
- Thrips are present and populations are growing in onion fields.
- 1st generation onion maggot damage has been sporadic.
- Carrots are around the 3rd to 5th true leaf stage.
- Some fields are over the carrot weevil threshold. Weevils are nearing the end of their egg laying period.
- 1st generation carrot rust fly activity continues, but populations are starting to drop.
- Aster leafhopper activity continues to increase.
- Irrigation is common in these hot conditions, especially in later seeded carrot fields to prevent heat canker.

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	HIGH RISK	MODERATE RISK	LOW RISK	MODERATE RISK	HIGH RISK

Onion Update

Seeded onions are around the 5th true leaf stage.

Stemphylium leaf blight has been found on seeded and transplant onions.

There is currently a high risk for disease development. Low numbers of airborne Stemphylium conidia have been found on our spore traps. We recommend a first spray to protect onions from infection.

First spray: If your seed was treated with EverGol Prime or Pen 240 your first spray should be Allegro 500F. Allegro is effective for around 7-10 days. If your



Stemphylium symptoms - Scout



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seeds were not treated with penflufen, Miravis Duo (Group 7/3) would be the best choice to protect your onions. Miravis Duo is effective for around 10-14 days.

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

Some onion maggot damage has been observed from 1st generation feeding. Damage has been sporadic as it has been field specific. A little bit more damage has been noticed this year compared to previous years.

Scouts have been finding thrips and populations are starting to increase in these warm conditions. It is important to wait until populations build in your field as thrips need to be present for Movento to be effective. Movento should be sprayed back-to-back no more than 2 weeks apart for resistance management.

Herbicide damage has been common. Allowing the onions waxy leaf layer to develop can help protect the plant from herbicide injury. For weed control, registered [preemergence](#) and [postemergence](#) herbicides can be found in the Ontario Crop Protection Hub by following the links.

Carrot Update

Carrot fields are around the 3rd to 5th true leaf stage.

Weevils are active but are finishing their egg laying period. Later seeded carrots should miss the majority of the carrot weevil feeding window. If your field is over the 1.5 cumulative weevils/trap threshold you should apply Rimon 10 EC or Exirel at the 2nd true leaf stage. If your field is over the 5 cumulative weevils/trap threshold you should make another application at the 4th true leaf stage.



How to Control Carrot Weevil

For more information on controlling carrot weevils, check out our “How to Control Carrot Weevil” video on our Muck Crops IPM YouTube channel by clicking on the thumbnail to the left.

First generation carrot rust fly activity has started to drop. This generation usually does not cause serious damage as the carrots are often too small at this time, but some areas have had high populations for over three weeks. If your field has a high 1st generation population, the 2nd generation (the one that can cause damage) can be higher as well. If your field has had high counts for a while an insecticide spray is recommended to try and knock down the population. These fields will be monitored



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closely as the season progresses. Mako, UP-Cyde 2.5 EC, Labamba, Matador 120EC and Silencer 120 EC are registered for control.

Aster leafhoppers have also started to be more active. Infectivity of aster leafhoppers coming from the south continues to be fairly low so far this season.

If you have small, later seeded carrots it may be important to irrigate to minimize heat canker loss.

For weed control, registered [preemergence](#) and [postemergence](#) herbicides can be found in the Ontario Crop Protection Hub by following the links.

Daily Weather

Date (June)	Max temperature (°C)	Min temperature (°C)	Rain (mm)
25	22.3	12.1	1.8
26	24.4	14.9	1.6
27	27.4	10.8	0.0
28	28.9	11.8	0.0

Soil Temperature over the last 24 hours (°C): 5cm: 21.3

Any questions or comments? Please call Tyler Blauel at (365) 340-4158



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