



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

Date: July 30

Highlights

- There is a high risk for onion downy mildew infection. A protective spray is recommended as soon as possible.
- **Stemphylium leaf blight symptoms continue to spread and develop. There is currently a high risk for disease development and a lot of conidia are being caught in our spore traps.**
- Thrips populations are sporadic.
- Aster leafhoppers are active and aster yellows has been found.
- 2nd generation carrot rust flies are active.
- The Muck Station will be closed on Monday August 3rd for the Civic Holiday.

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	HIGH RISK	HIGH RISK	LOW RISK	LOW RISK	HIGH RISK	HIGH RISK

Onion Update

Conditions are favourable for onion downy mildew infection and a protective fungicide spray is recommended as soon possible. Our DOWNCast model has identified a sporulation-infection period and sporangia have been caught in our spore traps. There are many products registered for control of downy mildew, but our research at the Muck Station has shown that Orondis Ultra (group 40/49), Orondis Gold (group 4/+49) and Zampro (group 45/40) are the most effective for controlling this disease. Ridomil Gold MZ (group 4/M3) is no longer being produced, but if you have some it is an effective product as well. Orondis Ultra should be applied with a non-ionic surfactant. These systemic products should protect onions for 10 days. Mancozeb products, such as Manzate Pro-Stick, Dithane Rainshield and Penncozeb 75 DF Raincoat (all group M3), can be effective for controlling downy mildew if applied before infection takes place. Rotating fungicides is very important.



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Stemphylium leaf blight is present in all onion fields and disease symptoms are increasing. Disease severity ranges from field to field. More Stemphylium sporulation has been found on onion tips and substantially more conidia have been found in our spore traps over the past few days. There is currently a high risk for disease development. 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

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.



Stemphylium Leaf Blight in the Holland Marsh

For more information on managing Stemphylium leaf blight, check out our “Stemphylium Leaf Blight in the Holland Marsh” video on our Muck Crops IPM YouTube channel by clicking on the thumbnail to the left.

Thrips populations are sporadic throughout the marsh. If your field surpasses the 3 thrips/leaf threshold, the 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.

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

Carrot Update

Some carrot canopies are closing in.

Aster leafhoppers are active. The first signs of aster yellows have been found. Sevin XLR, Admire 240F, Actara 25WG, Closer and Sivanto Prime are registered if your field is over the 20 leafhoppers/trap threshold.



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Second generation carrot rust fly activity has started. This is the generation that can cause damage. If your field is over the 0.1 flies/trap/day threshold Mako, UP-Cyde 2.5 EC, Labamba, Matador 120EC and Silencer 120 EC are registered for control.

For fields with canopies starting to close in, it may be important to apply a Sclerotinia white mold fungicide soon to get the product down to the soil while you can. This may be even more important in high white mold risk 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. It is important to try and get these products down into the crown and lower canopy as best you can.

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

Celery Update

Celery has been looking very good throughout the marsh. Earlier crops have been harvested and later transplants are establishing well. Blights have been found regularly, but overall severity is still low. There are many fungicides registered to manage blights in celery, which can be found on the [Ontario Crop Protection Hub](#). Celery leaf curl has been found with the wet weather. Switch 62.5 WG and Quadris Flowable are registered for leaf curl control. Tarnished plant bugs have been active, but damage has been minimal.

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

Daily Weather

Date (July)	Max temperature (°C)	Min temperature (°C)	Rain (mm)
27	29.4	14.5	8.0
28	24.9	18.9	4.2
29	25.1	16.8	0.0

Soil Temperature (°C): 5cm: 20.8

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



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