



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

This is the Muck Crops IPM Update for June 26, 2025

Highlights

- **Stemphylium has been identified on transplant onions**
- Many seeded onions are around the 4th to 5th true leaf stage
- Thrips populations are growing
- Some minor onion maggot damage has been observed in transplant onions
- Carrot growth stages range from bunny ear to 5 true leaves
- Carrot weevil egg laying period is finishing up

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 RISK | LOW RISK | LOW RISK | HIGH RISK | LOW RISK |

Onion Update

Lots of seeded onions are around the 4th to 5th true leaf stage. Transplants are around the 6th true leaf stage.

Stemphylium leaf blight has been confirmed on transplant onions. We recommend an early spray for transplant onions to protect them from infection. Seeded onions may be susceptible if they were seeded early.

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 transplant seeds were not treated with penflufen, Miravis Duo (Group 7/3) would be the best choice to protect your onions.

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.



Scout – Dylan Quanbury



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Thrips populations started to grow during the hot weather. Transplant onions have higher populations. It is important to apply Movento as thrips are present and the population is growing in your field.

Onion maggot flies are present but their activity is declining. We continue to monitor populations throughout the marsh. Seeds treated with Sepresto should be protected against onion maggot damage. Some minor onion maggot damage has been found on transplant onions.

Pre broadleaf weed emergence herbicides include Chateau and Prowl H2O. Post broadleaf weed emergence herbicides include Goal 2XL, Pardner and bromoxynil products. Allowing the onions waxy leaf layer to develop can help protect the plant from herbicide injury. Registered herbicides can be found in the [Ontario Crop Protection Hub](#).

Carrot Update

The growth stages of carrots range from the bunny ear to the 5th true leaf stage.

Carrot weevils are finishing up their egg laying period. Carrot weevil pressure is usually higher in early seeded carrots than later seeded carrots. Carrot weevil populations are low overall, but some fields have higher weevil populations. We recommend spraying for weevils at the 2nd true leaf stage if your field is over the cumulative 1.5 weevils/trap threshold. If your field is over the 5 weevils/trap threshold, we also recommend spraying at the 4th true leaf stage. Rimon 10 EC or Exirel are good insecticides to manage weevil populations.



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.

Aster leafhoppers are active but they usually don't carry the aster yellows phytoplasma at this time in the year and some carrots are also too small.

Heat canker may be noticed in smaller carrots after the hot and dry weather.

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



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Celery Update

Some blights are starting to show up in celery. Alternaria leaf spot has been found, but severity is low. Some herbicide damage on the leaves has been common. Celery transplanting continues as well.

Daily Weather

| Date (June) | Max temperature (°C) | Min temperature (°C) | Rain (mm) |
|-------------|----------------------|----------------------|-----------|
| 23 | 36.3 | 21.3 | 0.0 |
| 24 | 34.4 | 22.3 | 0.0 |
| 25 | 32.1 | 20.3 | 0.0 |

Soil Temperature (°C): 5cm: 26.1

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



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