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

This is the Muck Crops IPM Update for July 3, 2025

## Highlights

- **Stemphylium has been identified on transplant and seeded onions and is currently at a high risk for development**
- Lots of seeded onions around the 5<sup>th</sup> true leaf stage
- Thrips populations are growing
- Some minor onion maggot damage has been observed in transplant onions
- Carrot growth stages range from the 2<sup>nd</sup> to 6<sup>th</sup> true leaf stage
- Carrot weevil egg laying period is complete
- Some minor hail damage has been observed after yesterday evening

## 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	LOW RISK	LOW RISK	HIGH RISK	MODERATE RISK

## Onion Update

Lots of seeded onions are around the 5<sup>th</sup> true leaf stage. Transplants are around the 7<sup>th</sup> true leaf stage.

Stemphylium leaf blight has been confirmed on onions in a handful of fields. We recommend an early spray for transplant onions to protect them from infection. Larger seeded onions are susceptible now too.

**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 are growing and it may be a good time to apply Movento if thrips are present in your field. Movento has already been applied in a number of transplant onion fields. Movento should be sprayed back-to-back no more than 2 weeks apart for resistance management.

Onion maggot flies are present but their activity is declining. Some minor onion maggot damage has been found on transplant onions.

Very minor hail damage has been observed after the short storm yesterday evening.

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 2<sup>nd</sup> to 6<sup>th</sup> true leaf stage.

Carrot weevils have completed 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. If your field is over the 5 weevils/trap threshold, we also recommend spraying at the 4<sup>th</sup> true leaf stage. If your carrots are not at the 4<sup>th</sup> true leaf stage yet you shouldn't need to spray for weevils anymore. Rimon 10 EC or Exirel are good insecticides to manage weevil populations.

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. Spraying for aster leafhoppers may become important soon.

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

## Celery Update

Some celery harvest continues. Blights are present in celery. Alternaria leaf spot has been found, but severity is low. Herbicide damage is common.

## Daily Weather

Date (July)	Max temperature (°C)	Min temperature (°C)	Rain (mm)
1	29.0	17.3	0.0
2	30.3	15.6	9.6

Soil Temperature (°C): 5cm: 23.4

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



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