



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

This is the Muck Crops IPM Update for June 23, 2025

## Highlights

- **Stemphylium has been identified on transplant onions**
- Many seeded onions are around the 4<sup>th</sup> true leaf stage
- Thrips populations are still low in most fields but they are growing
- Some minor onion maggot damage has been observed in transplant onions
- Carrot growth stages range from emerging to 5 true leaves
- Carrot weevil egg laying period should be finishing up
- Heat canker could become an issue for smaller carrots
- Irrigation is common right now in these dry conditions

## 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	MODERATE RISK

## Onion Update

Lots of seeded onions are around the 4<sup>th</sup> true leaf stage. Transplants are around the 5<sup>th</sup> to 6<sup>th</sup> 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 are not as susceptible to infection as they are still young.

**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.



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 are still quite low in most fields. Transplant onions have higher populations. We will continue to monitor population growth. It is important to apply Movento as thrips population grow in your field.

Onion maggot flies are present but their activity is declining. We continue 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.

Some goal damage has been observed on transplant and seeded 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 emerging to the 5<sup>th</sup> true leaf stage.

Carrot weevils should be finishing up laying their eggs. 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 2<sup>nd</sup> 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 4<sup>th</sup> 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 become an issue for smaller carrots in this hot and dry weather. Irrigation can minimize heat canker loss.

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.

## Daily Weather

Date (June)	Max temperature (°C)	Min temperature (°C)	Rain (mm)
16	26.9	8.5	0.0
17	28.2	12.2	0.0
18	27.9	19.6	0.0
19	24.1	15.7	0.2
20	27.0	13.7	0.0
21	26.8	14.4	0.6
22	34.8	25.0	0.0

Soil Temperature (°C): 5cm: 25.5

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



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