



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

This is the Muck Crops IPM Update for July 1, 2025

Highlights

- **Stemphylium has been identified on transplant onions**
- Lots of seeded onions around the 5th true leaf stage
- Thrips populations are growing
- Some minor onion maggot damage has been observed in transplant onions
- Carrot growth stages range from the 2nd to 6th true leaf stage
- Carrot weevil egg laying period is complete
- Due to the Canada Day holiday today, Tuesday fields will be scouted on Wednesday this week

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-HIGH RISK	LOW RISK	LOW RISK	HIGH RISK	MODERATE RISK

Onion Update

Lots of seeded onions are around the 5th true leaf stage. Transplants are around the 7th true leaf stage.

Stemphylium leaf blight has been confirmed on transplant onions in a few fields. 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 are growing and it is 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.

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 2nd to 6th 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 4th true leaf stage. 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.

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](#).

Celery Update

Some celery harvest is underway. 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 has finished up.

Daily Weather

Date (June)	Max temperature (°C)	Min temperature (°C)	Rain (mm)
26	22.2	15.5	5.8
27	26.6	16.7	6.0
28	25.0	12.9	1.8
29	29.9	10.0	0.0
30	31.1	15.3	7.6

Soil Temperature (°C): 5cm: 23.6

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



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