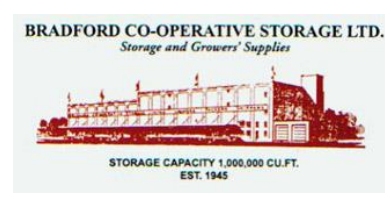




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Ontario Crops Research Centre – Bradford (Muck Station) IPM Report 2023

This is the Muck Crops IPM Update for June 19, 2023

Highlights

- Some carrot fields are at the 2nd true leaf stage.
- Carrot fields that are over the 1.5 weevils/trap threshold should consider spraying at the 2nd true leaf stage.
- Many seeded onions are now at the 2nd or 3rd true leaf stage and some transplants are around the 5-7 true leaf stage.
- Some onion maggot damage has been seen, mainly in transplant onions at the moment.
- Low populations of thrips have been seen, mainly in transplant onions as well.

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	LOW RISK	LOW RISK	LOW RISK	LOW RISK	HIGH RISK

Onion Update

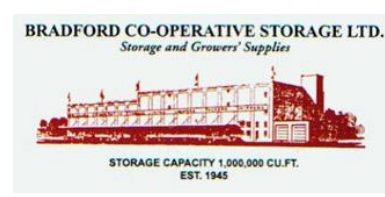
Most seeded onions are now at the 2nd or 3rd true leaf stage. Transplants are ranging from the 5-7 leaf stage. Some minor onion maggot damage seen in transplant onions. Damage in seeded onions is even lower. Seeds treated with Sepresto should protect against most onion maggot damage. Low populations of thrips are being found in some transplant onions, however populations are still low enough that an insecticide spray is not needed yet.

Early season weed control is important. Pre weed emergence herbicides include Chateau, Prowl H2O and Frontier Max. Post 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 [OMAFRA's Weed Control Guide for Hort Crops](#) (dry bulb onions starting on page 128) and the [Ontario Crop Protection Hub](#).





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Carrot Update

Many carrots are now at the 2nd true leaf stage. For fields that are over the 1.5 weevils/trap threshold, a Rimon 10 EC or Exirel insecticide spray is recommended at the 2nd leaf stage. Some early carrot fields are at the 4th true leaf stage and a second Rimon 10 EC or Exirel spray is recommended if your field is over the 5 weevils/trap threshold. Carrot weevils have now almost completed their egg laying period. Later seeded carrots should avoid the majority of this egg laying period and likely do not need to be sprayed for weevil control.



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. We hope this video is informative and please let us know if there is anything we can improve on for future videos!

Carrot rust flies are being caught on some sticky traps, however this 1st generation of rust flies cannot cause damage to carrots when they are this small.

For early season weed control, registered herbicides can be found in OMAFRA’s [Weed Control Guide for Hort Crops](#) (carrots starting on page 94) and the [Ontario Crop Protection Hub](#).

Celery Update

Celery continues to be transplanted. We are mainly seeing some herbicide damage in celery right now/ We have not seen any disease development yet and insect activity has also been very low.

Daily Weather

Date (June)	Max temperature (°C)	Min temperature (°C)	Rain (mm)
15	21.4	8.6	0.0
16	21.5	11.5	0.0
17	24.0	9.1	0.0
18	27.4	8.2	0.0

Soil Temperature (°C): 5cm: 19.4

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

