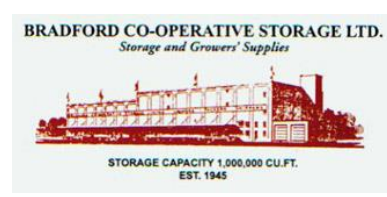




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Ontario Crops Research Centre – Bradford (Muck Station) IPM Report 2023

This is the Muck Crops IPM Update for June 15, 2023

Highlights

- Carrot weevils are active, and some fields are over threshold.
- Many carrot fields are at the bunny ear or 1st true leaf stage.
- Some minor onion maggot damage has been seen in transplant onions.
- Many seeded onions are around the 2nd to 3rd true leaf stage and some transplants are around the 6th true leaf stage.

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	LOWRISK	LOW RISK	LOW RISK	LOW RISK	LOW RISK	HIGH RISK

Onion Update

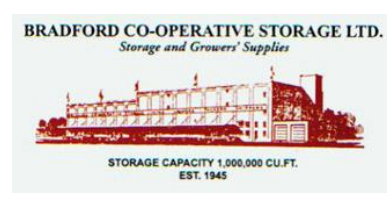
Most seeded onions are now at the 2nd or 3rd true leaf stage. Some transplants are now at the 6th true leaf stage. There has been some minor onion maggot damage seen in transplant onions, but seeds treated with Sepresto should protect against most onion maggot damage. Spore traps have been set up in a few locations in the marsh to identify Stemphylium conidia and downy mildew spores.

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

Most carrots are now at the bunny ear or 1st true leaf stage. Carrot weevils are active and are in their egg laying period. If you are over the cumulative 1.5 weevils/trap threshold you should consider spraying at the 2nd true leaf stage. Some early carrots are now at the 2nd leaf stage and if your field is over threshold, we recommend spraying either Rimon 10 EC or Exirel for carrot weevil control. If a field is over the 5 weevils/trap threshold we also recommend spraying at the 4th true leaf stage. Carrot rust flies are being caught on sticky traps, however this 1st generation of rust flies cannot cause damage to carrots when they are this small.



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!

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

We have not seen any disease development yet and insect activity has been very low.

Daily Weather

Date (June)	Max temperature (°C)	Min temperature (°C)	Rain (mm)
12	17.65	13.02	37.8
13	20.6	10.5	0.8
14	19.0	8.8	0.0

Soil Temperature (°C): 5cm: 17.2

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

