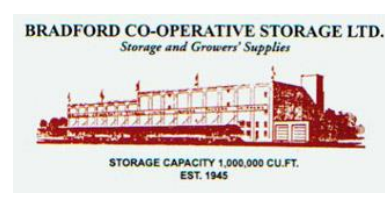




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Ontario Crops Research Centre – Bradford (Muck Station) IPM Report 2023

This is the Muck Crops IPM Update for June 1, 2023

Highlights

- Some heat canker has been observed.
- Most seeded onions are at the 1st true leaf stage.
- Irrigation is common with the hot and dry weather.
- Some carrots are emerging, while some fields have just been seeded.
- Carrot weevils are active.

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

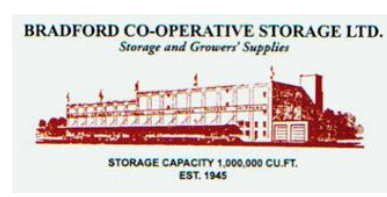
Most seeded onions are now at the 1st true leaf stage. Heat canker has been observed, but irrigation is common and can help prevent heat canker. Heat canker can affect onions from the loop to 2nd true leaf stage. Onion maggot flies are active, but seeds treated with Sepresto should protect against most onion maggot damage.

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

A lot of carrot fields have now been seeded. Some carrots are just emerging. Carrot weevils are active and are in their egg laying period. Weevil counts vary from field to field, but we do not recommend spraying for weevils until the 2nd true leaf stage if you are over the cumulative 1.5 weevils/trap threshold. Carrot weevil pressure is usually higher in early seeded carrots than later seeded carrots as later seeded carrots often miss the majority of the egg laying period.



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](#).

Daily Weather

Date (May)	Max temperature (°C)	Min temperature (°C)	Rain (mm)
29	30.4	6.0	0.0
30	32.8	7.4	0.0
31	35.9	13.1	0.0

Soil Temperature (°C): 5cm: 18.6

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

