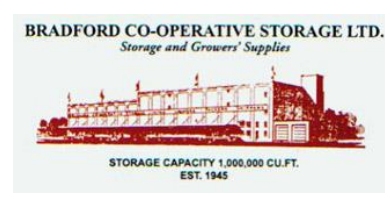




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# Ontario Crops Research Centre – Bradford (Muck Station) IPM Report 2023

This is the Muck Crops IPM Update for June 6, 2023

## Highlights

- Some heat canker has been found after the hot and dry conditions last week.
- Irrigation is common around the marsh with the conditions remaining dry.
- Most seeded onions are at the 1<sup>st</sup> or 2<sup>nd</sup> true leaf stage.
- A lot of carrots are emerging and are at the bunny leaf stage.
- Carrot weevils continue to be active.
- Onion maggot flies 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 1<sup>st</sup> or 2<sup>nd</sup> true leaf stage. Heat canker has been observed after the hot and dry weather last week, but irrigation is common and can help prevent heat canker. Heat canker can affect onions from the loop to 2<sup>nd</sup> true leaf stage. Onion maggot flies are active, but seeds treated with Sepresto should protect against most onion maggot damage.

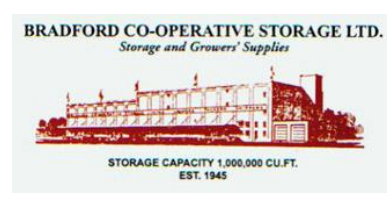
Early season weed control is important. Pre weed emergence herbicides include Chateau, Prowl H2O and Frontier Max. Post weed emergence herbicides include Goal 2XL, Pardner and bromoxynil products. Allowing the onions waxy leaf layer to develop can help protect the plant from herbicide injury.

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

Most carrots are now emerging and are at the bunny leaf stage. 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 2<sup>nd</sup> true leaf stage if you are over the cumulative 1.5 weevils/trap threshold. Some early carrots are now at the 2<sup>nd</sup> leaf stage and if your field is over threshold, we recommend spraying either Rimon 10 EC or Exirel for carrot weevil control. 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](#).

## Celery Update

Celery has been benefitting from irrigation. More celery is expected to be transplanted this month. Celery fields can see some carrot weevil activity and damage around this time, but we have not seen any damage yet. Some herbicide damage has been observed.

## Daily Weather

Date (June)	Max temperature (°C)	Min temperature (°C)	Rain (mm)
1	31.9	14.1	0.0
2	31.2	13.7	0.0
3	25.8	12.9	0.0
4	23.0	5.6	0.0
5	26.2	9.2	0.0

Soil Temperature (°C): 5cm: 20.2

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

