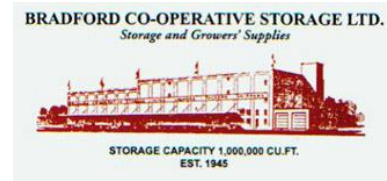




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Ontario Crops Research Centre – Bradford (Muck Station) IPM Report 2023

This is the Muck Crops IPM Update for June 12, 2023

Highlights

- Carrot fields that are over the 1.5 weevils/trap threshold should consider spraying at the 2nd true leaf stage.
- Many carrot fields are at the bunny ear and 1st true leaf stage.
- Many seeded onions are around the 2nd true leaf stage and some transplants are around the 5-6 true leaf stage.
- We are finally receiving some much needed rain.

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 true leaf stage. Some transplants are now at the 5-6 true leaf stage. Onion maggot flies continue to be active, but seeds treated with Sepresto should protect against most onion maggot damage. Barley is dying off in most seeded onion fields. Spore traps have been set up in a few locations in the marsh to identify Stemphylium conidia and downy mildew spores.

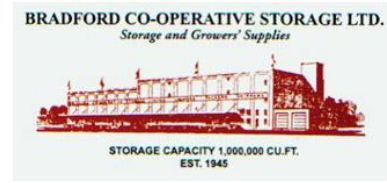
Early season weed control is important. Pre weed emergence herbicides include Chateau, Prowl H2O and Frontier Max. Post weed emergence herbicides include Goal 2XL, Pardner and bromoxynil products. Allowing the onions waxy leaf layer to develop can help protect the plant from herbicide injury. Registered 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, but some early carrots are at the 2nd to 3rd 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.



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

More celery is expected to be transplanted soon. 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)
8	17.87	12.15	1.4
9	21.77	8.12	2
10	27.19	11.2	0
11	21.06	15.25	1.8

Soil Temperature (°C): 5cm: 18.0

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



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