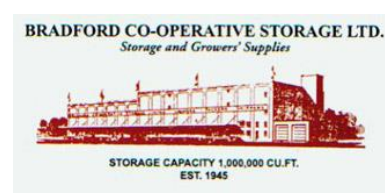




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# Ontario Crops Research Centre – Bradford (Muck Station) IPM Report 2023

This is the Muck Crops IPM Update for May 23, 2023

## Highlights

- We received around 28 mm of rain this past weekend.
- Onion fields have been seeded, some transplanting continues.
- Carrot seeding is continuing this week.
- Onion maggot flies continue to be active.
- Carrot weevils are active and are in the beginning of their egg laying period.
- Reminder that Monday fields will be scouted today and Tuesday fields will be scouted tomorrow due to the Victoria Day holiday yesterday.

## Disease Forecasting Highlight:

BOTCAST (Botrytis leaf blight)	DOWNCAST (Onion downy mildew)	BSP Cast (Stemphylium leaf blight)	White Rot on onions	Sclerotinia (White Mold) on Carrot	TOMCAST (General conditions for disease)	BREMCAST (Lettuce downy mildew)
LOW RISK	LOW RISK	LOW RISK	LOW RISK	LOW RISK	LOW RISK	HIGH RISK

## Onion Update

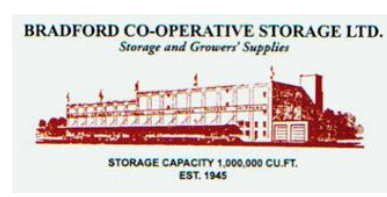
Transplanting continues in some fields but nearly all onion fields have been seeded now. A lot of seeded fields are at the loop leaf stage. Transplants are around the 3 leaf stage. Onion maggot flies are active and we will continue tracking populations for peak 1<sup>st</sup> generation activity. Seeds treated with Sepresto should be protected against onion maggot damage. Barley looks to be establishing well.

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

Carrot fields continue to be seeded. Weevils are being caught and have just started their egg laying period, however the majority of carrots are not up yet. Although we are catching some carrot weevils we do not recommend spraying for weevils until the 2<sup>nd</sup> true leaf stage if you are over threshold.



For 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 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 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)
19	24.8	1.9	2.4
20	15.8	10.0	25.8
21	22.5	7.8	0.0
22	22.5	4.9	0.0

Soil Temperature (°C): 5cm: 14.3

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

