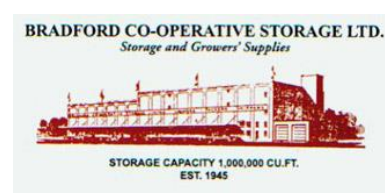




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Ontario Crops Research Centre – Bradford (Muck Station) IPM Report 2023

This is the Muck Crops IPM Update for May 26, 2023

Highlights

- Lots of carrots have been seeded this week.
- Many seeded onion fields are in the loop to flag leaf stage.
- Onion maggot flies continue to be fairly active.
- Carrot weevils are active and are in the beginning of their egg laying period.
- Many fields are being irrigated with dry conditions in the forecast.

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	MODERATE RISK

Onion Update

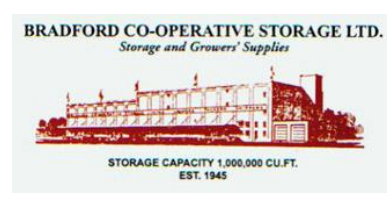
A lot of seeded onions are now at the loop to flag leaf stage. Onion maggot flies are fairly active and we continue to catch a few flies daily. Seeds treated with Sepresto should be protected against onion maggot damage. There has been some minor frost damage noticed due to the cooler temperatures last week.

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

Many carrot fields have been seeded this week. Carrot weevils are in the beginning of their egg laying period and will be looking for suitable carrots when they become of size. Carrot weevil counts vary from field to field and although we are catching some carrot weevils, we do not recommend spraying for weevils until the 2nd true leaf stage if you are over the cumulative 1.5 weevils/trap 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!

Also, 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)
23	24.7	3.6	0.0
24	15.8	5.7	0.0
25	18.0	-0.9	0.0

Soil Temperature (°C): 5cm: 11.5

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

