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Ontario Crops Research Centre – Bradford (Muck Station) IPM Report 2024

This is the Muck Crops IPM Update for June 3, 2024

Highlights

- Most seeded onions are at the 1st or 2nd true leaf stage.
- Most carrot fields are at the bunny ear stage.
- Carrot weevils are active, and some fields are at or approaching the 2nd true leaf stage.
- 1st generation carrot rust flies are active, but this generation cannot cause serious damage.

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	MODERATE RISK	LOW RISK	MODERATE RISK	HIGH RISK

Onion Update

Most seeded onions are around the 1st or 2nd true leaf stage. Onion maggot flies are active, but seeds treated with Sepresto should be protected against onion maggot damage. Transplants are being monitored closely for onion maggot feeding.

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 the [Ontario Crop Protection Hub](#).





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Carrot Update

Many carrot fields have now been seeded and are at the bunny ear stage. Carrot weevils are active and are in their egg laying period. 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. We do not recommend spraying for weevils until the 2nd true leaf stage if you are over the cumulative 1.5 weevils/trap threshold. Rimon 10 EC or Exirel are good insecticides to manage weevil populations.

Although 1st generation carrot rust flies are active, this generation cannot cause serious damage as the carrots are too small at this time.

For early season weed control, registered herbicides can be found in the [Ontario Crop Protection Hub](#).

Daily Weather

Date (May/June)	Max temperature (°C)	Min temperature (°C)	Rain (mm)
30	18.3	5.1	0.0
31	24.7	3.9	0.0
1	25.4	6.5	0.0
2	20.1	13.9	0.4

Soil Temperature (°C): 5cm: 15.0

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

