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

This is the Muck Crops IPM Update for May 28, 2024

## Highlights

- We received over 30 mm of rain yesterday.
- Most onion fields have now been seeded, some carrot fields still need to be seeded.
- Onion maggot fly activity continues.
- Carrot weevils continue to be active.
- 1<sup>st</sup> generation carrot rust flies are active, 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 onion fields have now been seeded. Many fields are around the 1<sup>st</sup> true leaf stage. We will continue to monitor onion maggot populations throughout the marsh. Seeds treated with Sepresto should be protected against onion maggot damage. The barley wind abatement has established well in many fields and has been sprayed down in several fields as 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 the [Ontario Crop Protection Hub](#).

## Carrot Update

Many carrot fields have now been seeded. 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. Some of the earliest seeded carrots in the marsh are around the 1<sup>st</sup> true leaf stage. 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. Rimon 10 EC or Exirel are good insecticides to manage weevil populations.





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Although 1<sup>st</sup> generation carrot rust flies are now active, this generation cannot cause serious damage as the carrots are too small or have not emerged at this time.

### Daily Weather

Date (May)	Max temperature (°C)	Min temperature (°C)	Rain (mm)
23	24.5	13.5	0.0
24	22.7	11.2	0.0
25	18.7	8.5	3.0
26	23.0	11.2	0.0
27	23.7	14.5	36.6

Soil Temperature (°C): 5cm: 16.6

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



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