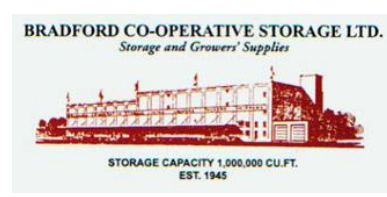




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Ontario Crops Research Centre – Bradford (Muck Station) IPM Report 2023

This is the Muck Crops IPM Update for September 13, 2023

Highlights

- Carrot rust flies are still active in some fields.
- We continue to monitor fields closely for Sclerotinia white mold. Right now white mold is minor.
- Carrot leaf blight infection is light to moderate, in general.
- Thank you to everyone who attended the Grower Field Day last week! A big thank you to Stokes Seeds and Bridget Visser for providing the coffee and donuts we all enjoyed!

Disease Forecasting Highlight:

Sclerotinia (White Mold) on Carrot	General conditions for disease (TOMcast)	Lettuce downy mildew (BREMcast)
MODERATE RISK	HIGH RISK	HIGH RISK

Carrot Update

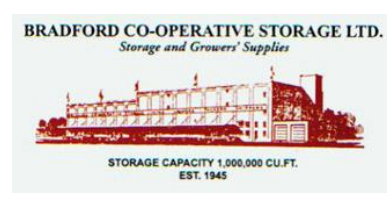
Carrot rust fly activity persists in some fields. If you are looking to harvest within 3-4 weeks it may not be necessary to spray for rust flies as it takes at least one month from the time adults are present, or caught, to when their larvae are able to damage the carrot. If your field is over the 0.1 carrot rust flies/trap/day threshold and the time until harvest will be longer than 3-4 weeks Mako, UP-Cyde 2.5 EC, Labamba, Matador 120EC and Silencer 120 EC are registered for control.

Sclerotinia white mold has been found in a number of fields, but severity is currently low in most fields. We will continue monitoring fields closely after the precipitation and cooler weather. Allegro 500F, Scholar 230SC, Luna Sensation and Switch 62.5 WG are registered for control and Miravis Duo and Fontelis are registered for suppression. It is important to try and get these products down into the crown and lower canopy as best you can.





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Cercospora and Alternaria leaf blights are common. If your field is over the 25% of plants infected with leaf blight threshold, Cabrio, Flint, Quadris Top, Merivon and Bravo/Echo are registered for both Cercospora and Alternaria leaf blights. Copper 52W is only registered for Cercospora. Fontelis, Sercadis, Cantus, Pristine, Switch, Miravis Duo, Luna Sensation and Allegro are only registered to control Alternaria.

Celery Update

Early and late blight are the most common diseases in celery right now. Many fungicides are registered to manage these diseases, which can be found on the [Ontario Crop Protection Hub](#). A low number of plants showing symptoms of celery leaf curl have been found. Switch 62.5 WG and Quadris Flowable are registered for control. Some tarnished plant bug (TPB) damage has been found. If you are over the 0.1 - 0.2 TPB/plant threshold, insecticides registered for control include Closer, Labamba, Matador 120EC, Sevin XLR and Orthene 97% SG, and Actara 25WG and Beleaf 50SG are registered for a reduction in damage.

Daily Weather

Date (Sept)	Max temperature (°C)	Min temperature (°C)	Rain (mm)
6	32.1	17.8	12.8
7	30.8	16.9	9.2
8	19.9	13.7	0.0
9	27.6	14.1	0.0
10	34.8	15.1	0.0
11	31.5	12.7	9.2
12	23.7	13.0	19.2

Soil Temperature (°C): 5cm: 20.4

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

