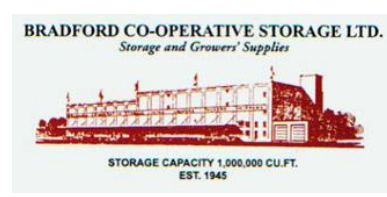




IMPROVE LIFE.



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

This is the Muck Crops IPM Update for September 27, 2023

Highlights

- This will be the last week of scouting for the season. Thank you to all the growers and sponsors for supporting the IPM Program! We look forward to working with you all again next year!
- This will also be the last IPM Update (Agriphone) of the season.
- Carrot leaf blights have not changed too much over the last week or so. Generally severity is light to moderate.
- These dry conditions are expected to continue and will likely slow the development of Sclerotinia white mold.
- Carrot rust fly activity has decreased.

Disease Forecasting Highlight:

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

Carrot Update

The dry conditions should slow the development of most diseases. Cercospora and Alternaria leaf blights are common and most fields have a low to moderate disease severity. 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.

Sclerotinia white mold is present in a number of fields, but the disease severity is low and the dry conditions should impede development at this time. If conditions do change to become conducive for the disease, 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.

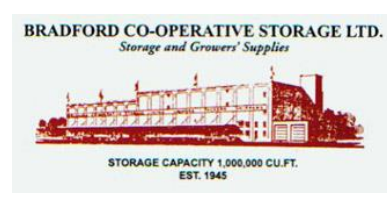


We create chemistry



CORTEVA
agriscience

IMPROVE LIFE.



Carrot rust fly activity has decreased and 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.

We will be visiting fields throughout October to take a 100-carrot sample for disease and pest damage assessment.

Celery Update

Celery continues to be harvested as we near the end of the season. Disease and insect damage remained fairly low this season and were well managed throughout the year. 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](#). 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)
22	27.2	6.8	0.0
23	31.4	4.8	0.0
24	28.1	2.6	0.0
25	27.9	7.0	0.0
26	20.4	9.9	0.0

Soil Temperature (°C): 5cm: 17.1

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

