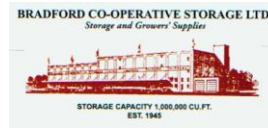




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MUCK CROPS RESEARCH STATION IPM 2017

This is the Muck Crops Research Station Report and IPM Information for Friday June 23, 2017

An extensive downpour, nearing almost 80 mm, last night has left most fields in the marsh at least partially flooded. It's already been so wet that it has been difficult to get into fields over the past week.

Onion Maggot Fly

We've started seeing some onion maggot damage occurring in fields. First generation trap captures seem to be slowing down. Onion maggot fly counts are 0.19 flies/trap/day at our Jane street field.

Onion Thrips

Thrips have been seen in a few fields, however the heavy rains we've received can be helpful at keeping populations down. No strong infestations have been noted.

Carrot Rust Fly

The insecticide spray threshold for carrot rust fly is 0.1 flies/trap/day for fresh market and 0.2 flies/trap/day for processing carrots. Sprays can begin once the carrots reach the 2nd TLS if trap counts warrant it. Mako (used to be Ripcord), Up-Cyde, Matador/Warrior, and Silencer are registered for rust fly control. Diazinon has officially rotated out and is no longer registered for rust fly control. The current count at our Jane street field the count is 0 flies/trap/day.

Carrot Weevil

Carrot weevil are finishing up their egg laying, having reached the 90% egg laying degree day threshold. The insecticide spray threshold for weevil control is a cumulative count of 1.5 weevils/trap. Imidan, Rimon, Matador/Warrior, and Silencer are currently registered for carrot weevil control. Recent research done by the research station has indicated Imidan may no longer be working as effectively due to the development of resistance. The current cumulative weevil count is 16.5 weevils/trap on station and 18.9 weevils/trap at our Jane street field.

Onion

Prowl H2O can be applied when onions are at the 2nd leaf stage. Prowl controls emerging weeds but does not control any existing weeds. Chateau WDG provides pre-emergence control of several common broadleaf weeds. It may be applied on onions between the 3-6 leaf stages. For post emergence broadleaf weed control, Aim, Goal and Pardner are registered. Goal can be applied when onions have two fully developed leaves and the onions have been exposed to one or two sunny days before application.

Carrot

Most carrot fields are coming up, with a few fields putting on true leaves. Do not use Gesagard near the time of crop emergence or once the crop has emerged. Note that emerging carrots are very sensitive to Lorox and severe injury may occur if there is heavy rain, or if the area is irrigated.

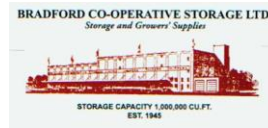
Celery

Lorox and Gesagard can be used for weed control in celery. Apply Lorox 8-10 days after transplanting. Do not apply Gesagard until 21 days after transplanting.





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Disease Forecasting

BOTCAST – Cumulative disease severity index (CDSI) for botrytis currently at 17, therefore risk is currently low.
DOWNCAST – No sporulation has occurred, meaning risk of downy mildew on onion is low.
BREMCAST – There have been no sporulation infection periods (SIP) for downy mildew on lettuce in the past four days, meaning risk is low.

Soil Temperatures:

June 22: 5 cm – 18.2
10 cm – 17.3
20 cm – 18.3

DATE (June, 2017)	TEMPERATURE (°C)		ACCUMULATED RAINFALL (mm)
	MAX	MIN	
19	28.6	23.4	1.6
20	25.7	20.8	0.8
21	21.3	17.3	11.0
22	23.2	11.8	0.6

