



MUCK CROPS RESEARCH STATION IPM 2015

This is the Muck Crops Research Station Report and IPM Information for Tuesday August 25, 2015

Early seeded onion fields are now almost fully lodged while later seeded onions fields have started to lodge. Many growers have started spraying Maleic hydrazide (Royal MH 60) to limit sprouting and extend storage life. Onion should have more than 3 green leaves when Royal MH 60 is applied. The optimum time for application is when at least 50 % of tops are down but the leaves are still green. Best results are obtained when Royal MH is applied in the early morning or on a cloudy day, and 24 hours before or after rain.

With cooler overnight temperatures recently conditions are ideal for foliar diseases on onions such as Stemphylium and downy mildew. If have not yet applied Royal MH and need to preserve healthy leaf tissue, a fungicide spray may still be needed to control these diseases.

White mould caused by Sclerotinia has been seen in some carrot fields. There is a carrot trimmer available for use by all growers from the Holland Marsh Growers' Association. Trimming carrots not only reduces white mould in storage but also makes the harvesting of varieties with a lot of foliage easier without impacting yield. Only Allegro is registered for control of Sclerotinia on carrots. Carrot leaf blight fungicides such as Lance or Pristine may also help suppress the disease.

Carrot rust fly activity has been moderate this week. The current count on station is 0.1 flies/trap/day. The spray threshold is 0.1 flies/trap/day for fresh market carrots and 0.2 flies/trap/day for processing carrots. Mako (Ripcord), Up-Cyde, Matador, Silencer, and Diazinon are registered for control of carrot rust fly.

Onion maggot fly activity has also been moderate this week. The current count on station is 3.1 flies/trap/day on station.

Carrot leaf blight has been found in all scouted carrot fields and is still increasing in some areas. The spray threshold is 25% disease incidence. Fontelis, Bravo, Echo, mancozeb (Dithane, Pancozeb, and Manzate), Pristine, Cabrio, Lance, Cantus, Switch, and Allegro are registered for control of carrot leaf blight.

BREMCAST: Conditions are favourable for lettuce downy mildew. The model has predicted 4 sporulation infection periods in the last 4 days.

Onion thrips counts have leveled off but may increase as the thrips move out of transplant or lodged onion fields. Most scouted onion fields are below the spray threshold of 1 thrips/leaf.

Soil temperatures at the Research Station for August 25 at 5 cm, 10 cm and 20 cm depths were 20.6oC, 20.9oC and 20.6oC, respectively.

ANY QUESTIONS OR COMMENTS? Call Dennis Van Dyk or Mary Ruth McDonald at 905-775-3783

