



Bayer CropScience



Canada



MUCK CROPS RESEARCH STATION IPM 2015

This is the Muck Crops Research Station Report and IPM Information for Friday June 5, 2015

Due to a combination of frost damage, wind damage along with heat canker some early seeded carrot fields have been re-seeded. We have been catching high amounts of carrot weevils in our traps over the past few days in some areas. Weevils are currently laying eggs so if the carrots have reached the 2nd leaf stage and if you have reached the cumulative weevil count of 1.5 weevils/trap then a spray is recommended. Imidan and Matador/Warrior are registered for carrot weevil control.

We have started to see the emergence of 1st generation rust flies. The current count at our station is 0.33 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. Insecticide sprays can start once the carrots reach the 2nd true leaf stage and if the counts warrant it. Ripcord, UP-Cyde, Matador, Silencer, and Diazinon are all registered for control of carrot rust fly.

Most seeded onion fields in the marsh are at the 1st to 2nd leaf stage. For control of emerged weeds in onions spray Goal, starting when the onions have 2 true leaves. Goal should be sprayed after there has been dry, sunny weather for two days. Aim and Pardner are also registered for post emergence broadleaf weed control. The second application of Prowl should 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 and 6 leaf stages. Always read and follow the label.

For carrot weed control, Gesegard, Lorox, and Prowl H2O are registered for pre-emergence use. Do not use Gesegard 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. Apply Prowl H2O 2 days after planting prior to emergence, with adequate rainfall/irrigation within 7 days after application.

Onion maggot fly activity has slowed in most areas over the past week. The current count at the station is 0.4 flies/trap/day.

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

We have reached the degree day threshold for tarnished plant bug emergence but not TPB have been caught around the marsh yet. Weeds can harbour tarnished plant bug so control of weedy areas is important.

Soil temperatures at the Research Station for June 5 at 5 cm, 10 cm and 20 cm depths were 17.6 °C, 16.2 °C and 14.2 °C respectively.

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