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MUCK CROPS RESEARCH STATION IPM 2014

This is the Muck Crops Research Station Report and IPM Information for Monday June 9, 2014

We have started to see some onion seedling damage due to onion maggots in our plots on station. Onion fly activity is still elevated in some areas but we seem to have passed the first generation peak. The current count at our station is 2 flies/trap/day. To reduce onion maggot problems, remove all volunteer onions and any cull piles.

Carrot rust flies have emerged and the counts may start to increase this week. The current count at our station is 0.05 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.

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.

Carrot weevils continue to move into some carrot fields. The current cumulative count at our station is 5.5 weevils/trap. Control of carrot weevil is not necessary until carrots reach the 2nd true leaf stage and only if the field has reached the 1.5 weevil/trap threshold. The insecticide spray threshold for weevils is a cumulative count of 1.5 weevils/trap. Imidan and Matador/Warrior are registered for carrot weevil control.

Once celery is 1/3 grown, apply magnesium and boron. Use Epsom salt or other forms of magnesium and spray every 10-14 days.

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.

The DD threshold for tarnished plant bug emergence is well past. We have not caught or seen any TPB around the marsh yet though. Weeds can harbour tarnished plant bug so control of weedy areas is important.

Barley windbreaks should be sprayed when they are 10-15 cm (4-6) inches high. Excel Super, Post Ultra, Select, and Venture are registered for this use.

Soil temperatures at the Research Station as of June 9 at the 10 and 20 cm depths are 15.8°C and 14.6 °C respectively. A total of 4.4 mm of rain has been accumulated over the past 4 days.

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

Follow us on twitter @MuckIPM for up-to-date disease alerts and insect emergence updates.



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