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## MUCK CROPS RESEARCH STATION IPM 2014

### This is the Muck Crops Research Station Report and IPM Information for Monday June 2, 2014

The weather conditions this past week have been ideal and growers have been busy seeding carrots. 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. Please read and follow the label for more detailed application information.

For weed control in onions, Prowl can be applied when onions are at the loop and again at the 2<sup>nd</sup> leaf stage. Prowl controls emerging weeds but does not control any existing weeds. For post emergence broadleaf weed control, Aim, Goal and Pardner are registered. Remember to read and follow the labels.

Onion fly activity is still high, with the current count at our station at 10.8 flies/trap/day. To reduce onion maggot problems remove all volunteer onions and any remaining cull piles.

In carrots, Ridomil 1G, and Reason 500SC are registered for damping off and cavity spot control. Apply the granular formulation of Ridomil in the seed furrow at a rate of 25 Kg/ha or 215 g/100m of row. Reason application can be made within 7 days after planting. Ranman 400SC and Torrent 400 SC are registered for the suppression of cavity spot. A maximum of one application per season of Ranman is allowed, as post-plant, pre-emergent application within 3 days after planting. Torrent can be applied post-plant, pre-emergent applied to soil within 3 days after seeding or broadcast or banded application 14 days after seeding. Please refer to the label for more information on applications.

Barley windbreaks are growing rapidly this week and 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.

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 2<sup>nd</sup> 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.

Carrot rust flies have started to emerge, especially in sheltered areas and we are starting to see them on our orange sticky traps. Local populations of aster leafhoppers are starting to emerge but we have only found one aster leafhopper on our orange sticky traps so far.

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 (TPB) emergence, but we have not seen any TPB around the marsh yet. Weeds can harbour tarnished plant bug so control of weedy areas is important.

Soil temperatures at the Research Station as of June 2 at the 10 and 20 cm depths are 15.6°C and 14.0°C respectively. No rain has accumulated in 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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