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## MUCK CROPS RESEARCH STATION IPM 2015

### This is the Muck Crops Research Station Report and IPM Information for Tuesday June 9, 2015

We received 43.4 mm (1.7 inches) of rain since Friday at our weather station. We have started to see onion maggot damage from the 1<sup>st</sup> generation in some fields. Onion maggot fly activity is low in most areas as we seem to have past the 1<sup>st</sup> generation peak. The current count at the station is 0.9 flies/trap/day. Due to the heavy rain over the past few days we have seen some minor storm damage in some onion fields.

Carrot rust flies have emerged and activity is up around the marsh. The current count at our station is 0.1 flies/trap/day. Insecticide sprays can start once the carrots reach the 2<sup>nd</sup> 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. The spray threshold is 0.1 flies/trap/day for fresh market carrots and 0.2 flies/trap/day for processing carrots.

Carrot weevils are still moving into carrot fields. The current cumulative count at our station is 28.9 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.

We have observed onion smut in a few seeded onion fields.

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. We have seen some Goal damage in some onion fields, so always read and follow the label. 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 2<sup>nd</sup> 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.

For postemergence carrot weed control, Lorox can be applied once the carrots are at the 2<sup>nd</sup> true leaf stage. 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. Do not use Gesagard at or near crop emergence.

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

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

Aster leafhoppers have been found on orange sticky traps in some carrot fields. Most of the counts are still low so no sprays are recommended as of yet.

We have not caught or seen any tarnished plant bug 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 9 at 5 cm, 10 cm and 20 cm depths were 19.8 °C, 18.6 °C and 15. °C respectively.

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



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