



MUCK CROPS RESEARCH STATION IPM 2010

This is the Muck Crops Research Station Report and IPM Information for Friday 11, 2010

Carrot weevil adults continue to move into some carrot fields but generally the activity has slowed. The cumulative count at our station is 19.3/trap, which is a threshold for two insecticide application. For counts between 1.5 and 5 weevils/trap, one treatment is recommended at the 2nd leaf stage. For cumulative counts more than 5 weevils/trap, an additional treatment is recommended at the 4th leaf stage. Imidan and Matador/Warrior are registered for the control of carrot weevils. Follow the labels carefully.

Keep an eye on barely windbreaks and spray when they are 10-15 cm (4-6 inches) high.

To control emerged broadleaf weeds in onions, spray Goal, starting when the onions have two true leaves. Goal should be sprayed after there has been dry, sunny weather for two days. The second application of Prowl 400 should be applied at the 2nd true leaf stage of onions. Prowl works best if rain or irrigation is received within seven days of application. Prowl controls weeds as they emerge but do not control any existing weeds.

Onion fly activity is moderate now. Onion fly counts on station decreased to 4.6 flies/trap/day. To reduce onion maggot problems, all volunteer onions and any remaining cull piles should be removed.

A few thrips have been seen in onions around the Holland Marsh. The counts are below the spray threshold. The threshold for pesticide application is 1 thrips per leaf. The Pest Management Regulatory Agency (PMRA) recently announced the approval of an emergency use renewal registration for Carzol for control of onion thrips on dry bulb onions.

Foliar applications of manganese sulfate are recommended when onions are about 15 cm. The rate for manganese sulfate is 1.5 to 2.75 Kg/ha in 300 L of water repeated in 4 to 5 sprays 10 days apart.

Carrot rust flies activity has slowed. Thresholds are 0.1 flies/trap/day for fresh market and 0.2 for processing carrots. Once the carrots reach 2 true leaves, sprays for rust flies can begin when population increases.

For post emergence weed control in carrots, use Lorox once the carrots are in the 2 leaf stage, 8 to 15 cm tall. Lorox appears to work best if applied when sunny and when a few sunny days are expected post application. 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 near the time of crop emergence or once the crop has emerged.

Tarnished plant bug Degree day (DD) threshold for emergence have reached and we will start to see tarnished plant bug in celery fields. Besides pesticide control, good weed control is an important management tool for reducing TPB populations.

Low numbers of aster leafhopper have arrived in our area. The number may increase next week as we are closer to the DD threshold for local adults' emergence.

Flea beetles are active at the moment and if you are growing cole crops, it is time to scout and control your field from flea beetles.

On June 10 at the Research Station the soil temperature at 5 and 20 cm depth was 14.8 and 14.4°C. A total of 6.4 mm rain was accumulated between June 8 and June 10.

ANY QUESTIONS OR COMMENTS? Call Michael or Mary Ruth McDonald at 905-775-3783

