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MUCK CROPS RESEARCH STATION IPM 2013

This is the Muck Crops Research Station Report and IPM Information for June 3, 2013

The barley windbreaks are growing rapidly and should be sprayed when they are 10-15 cm (4-6 inches) high. Post Ultra, Select and Venture herbicides are registered for this use.

Onion fly activity has increased in the last 4 days and the current fly count at our station is 8.4 flies/trap/day. To reduce onion maggot problems, all volunteer onions and any remaining cull piles should be removed.

For weed control in onions, Prowl can be applied when onions are at the loop and again at the 2nd leaf stage. Prowl control weeds as they emerge but does not control any existing weeds. For post emergence broadleaf weed control, AIM, Goal and Pardner are registered. Follow the label when using pesticides.

In carrots, Ridomil Gold 1G and Reason 500SC are registered for damping off and cavity spot control. Apply the granular formulation 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 also registered for the suppression of cavity spot.

Ridomil Gold 1G is also registered for the control of damping-off caused by *Pythium* in lettuce. Apply Ridomil Gold 1G in the seed furrow at the time of seeding and do not use on transplanted lettuce. Lettuce growers may begin to notice symptoms of lettuce drop, caused by *Sclerotinia* or stunt, caused by *Pythium*. These diseases often show up after rainfall or irrigation.

For post emergence weed control in carrots, use Lorox once the carrots are in the 2nd leaf stage. Lorox appears to work better if applied when sunny and when a few sunny days are expected post application. 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.

Carrot weevil adults continue to move into some carrot fields. The cumulative carrot weevil count at our Research Station currently is 6.3 weevils/trap. Control of carrot weevil is not necessary until carrots reach the 2nd true leaf stage and only if the population warrants treatment. Insecticide spray threshold for weevils is a cumulative count of 1.5 weevil/trap. Imidan and matador/silencer are registered for carrot weevil control.

Carrot rust flies have emerged especially in sheltered areas. The current count at our research station is 0.05 flies/trap/day. Insecticide spray threshold is 0.1 and 0.2 flies/trap/day for fresh market and processing carrots respectively. No aster leafhoppers have been seen.

We have reached degree day threshold for tarnished plant bug emergence. However, we have not seen tarnished plant bug in celery around the marsh yet. Weeds can harbour tarnished plant bug and thus weed control is essential at this moment.

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

A total of 28.6 mm rain was recorded between May 30 and June 2. Soil temperatures at the Research Station for June 2 at the 5 and 10 cm depth were 19.5°C and 19.4°C respectively.

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



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