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MUCK CROPS RESEARCH STATION IPM 2013

This is the Muck Crops Research Station Report and IPM Information for May 14, 2013

Onions around the marsh have been seeded and most transplanted onions have been transplanted. Most carrots will be seeded this week and next week. Early seeded onions are at loop stage and some at flag leaf stage. On muck soil, Prowl can be applied when onions are at the loop stage and again at the 2nd leaf stage. Prowl controls weeds as they emerge but do not control any existing weeds. Prowl can also be applied to onion transplants once they are established, usually a good 10 days after transplant once the roots have begun to spread and establish. Goal can also be applied once the transplants are established. The onions should be exposed to one or better yet two sunny days before application.

The last 3 days were cool with frost in the forecasts. Growers should watch the forecast particularly pay attention to the frost warnings when you plan to spray herbicides to avoid damage to your crop.

Degree days (DD) for onion maggot are currently at 257, which means first generation flies begin to emerge. To reduce onion maggot problems, all volunteer onions and any remaining cull piles should be removed. Onion maggot fly count on our station is 1 fly/trap/day. The number may increase as the temperature started to warm up.

Carrot weevil DD is presently at 142 and adults will begin to lay eggs this week. Overwintered carrot weevils started to move into fields. Late-sawn carrot may escape the worst damage if it has not emerged when the carrot weevils are laying eggs. The count of carrot weevils at our Research Station is currently 1.75 weevils/trap.

In carrots, Ridomil 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 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 label for information on applications.

A complete list of herbicides for pre and post-emergence weed control is listed in OMAF's pub. 75 (Guide to Weed Control). Do not use Gesagard 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.

Before transplanting celery, check all transplants for small, black brown spots that are the first signs of Septoria late blight. Don't use any transplants infected with late blight. Control fungus gnats in your greenhouse during transplant production and check your transplants for possible pea leaf minor damage before transplanting.

Carrot rust fly DD is at 256, which means adults will start to fly around next week.

Soil temperatures at the Research Station for May 13 at the 5 and 10 cm depth were 6.9°C and 8.7°C respectively. A total of 18.6 mm rain was accumulated between May 9 and May 12.

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

