



## MUCK CROPS RESEARCH STATION IPM 2010

### **This is the Muck Crops Research Station Report and IPM Information for Tuesday May 11, 2010**

To reduce wind erosion in carrots, barley can be used. Broadcast barley at a rate of 45-50 lbs/acre. Seed the barley the same day you seed the crop.

Onion flies have just begun to emerge, but the count is very low. To reduce onion maggot problems, all volunteer onions and any remaining cull piles should be removed.

Degree Days for tarnished plant bug reached 51, which means we will start to see tarnished plant bug any time now. This is 2 to 3 weeks earlier than the last 2 years. Weeds can harbour tarnished plant bug and thus weed control is essential at this moment.

Carrot Weevil DD are presently at 152, which indicates the time that adult weevils start to lay eggs. Scouting for weevils on station has begun and the cumulative count is 3.16 weevils per trap. The threshold for weevils is a cumulative count of 1.5 weevils/trap. Imidan is registered for the control of carrot weevils.

The Pest Management Regulatory Agency (PMRA) recently announced the approval of URMULE registrations for MATADOR/WARRIOR INSECTICIDE for control of carrot rust fly and carrot weevil on carrots in Canada. Matador/Warrior Insecticide can be used for control of carrot rust fly and carrot weevil at a rate of 83 mL per ha in 100 – 200 L water per ha. Follow label directions to ensure good control.

Carrot Rust Fly DD is at 297 DD and overwintering adults emerge at 329 DD. So emergence is expected in about 7-9 days.

Onion Herbicides recommendations can be found in Publication 75 the “Ontario Guide to Weed Control” on pages 225-227. Prowl can 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.

In carrots, 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.

In carrots Ridomil 1G is registered for damping off and cavity spot control. Apply the granular formulation in the seed furrow at a rate of 25Kg/ha or 215 g/100m of row. This material will not help control forking of carrots even though Pythium is believed to be one of the main causes of forking

Celery transplant health is obviously very important. Before transplanting, check for small, dark brown spots that are the first signs of Septaria late blight. Don't use transplants that are infected with late blight.

For May 11 at the Research Station the soil temperature at 5 and 10 cm depth was 8 and 7°C. A total of 47.4 mm rain was accumulated between May 7 and May 10.

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

