



## MUCK CROPS RESEARCH STATION IPM 2009



### **This is the Muck Crops Research Station Report and IPM Information for Friday May 01, 2009**

Degree Days (DD) have begun to accumulate. Degree Days for Onion Maggot are presently at 107, first generation flies begin to emerge at 210 DD. Application of granular insecticides Lorsban 15 G and Pyrifos 15 G at seeding can reduce damages caused by first generation onion maggots. Follow all label directions and rates to ensure good control.

Carrot Weevil DD are presently at 50 and adults will begin to lay eggs at 147 DD. Scouting for weevils on station will begin next week. The threshold for weevils is a cumulative count of 1.5 weevils/trap. Imidan is registered for the control of carrot weevils. For cumulative counts between 1.5 and 5 weevils/trap, one treatment is recommended at the 2<sup>nd</sup> leaf stage. For counts above 5 weevils/trap an additional treatment is recommended at the 4<sup>th</sup> leaf stage.

Carrot Rust Fly is at 128 DD and overwintering adults emerge at 329 DD. Tarnished plant bug and aster leafhopper DD are just beginning to accumulate.

Soil temperatures are relatively warm. For April 30 at the Research Station the soil temperatures at 5 and 20 cm depth were 9.6 and 8°C. 20 mm of rain was accumulated for the period of April 28 to April 30.

The 2008-2009 versions of the pub 363 Vegetable Production Recommendations and pub 75 Guide to Weed Control are available from OMAFRA. All page numbers listed in the Agriphone are for these editions of the guides.

Barley can be used to reduce wind erosion in onions and carrots. In onions, broadcast barley at a rate of 50 to 55 lbs/acre. In carrots use 45-50 lbs/acre. Seed the barley the same day you seed the crop. Treated barley seed is not necessary since barley smut is different from onion smut.

Onion Herbicides recommendations can be found in Publication 75 the "Ontario Guide to Weed Control" on pages 230-232.

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.

Celery transplant health is obviously very important, be sure to control fungus gnats in your greenhouse during transplant production, the larvae will damage the roots in the plug and if conditions are wet and cool in the field the larvae in those plugs will continue to damage the roots. Also check your transplants for possibly pea leaf minor damage (stippling and mining on the leaves) before you transplant.

ANY QUESTIONS OR COMMENTS? Call Michael, Kevin or Mary Ruth McDonald at 905-775-378