



## MUCK CROPS RESEARCH STATION IPM 2011

### **This is the Muck Crops Research Station Report and IPM Information for Tuesday May 10, 2011**

Today was another ideal day for onion seeding and most growers were engaged in transplanting or seeding their onions. Most early carrots have been seeded and the late carrot seeding will begin soon. Soils in certain fields at the Holland Marsh are still wet to be seeded. Between May 6 and 9 a total of 3.1 mm of rain was accumulated. For May 9 at the Research Station the soil temperature at 5 and 10 cm depth was 10 and 7.8°C.

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 and in carrots use 45-50 lbs/acre. Seed the barley the same day you seed the crop.

For weed control in onions transplants, Prowl can be applied once the onions 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.

Degree Days started to accumulate as the weather warms up and will accumulate much faster in the next four days. Onion Maggot degree days are presently at 140, first generation flies begin to emerge in higher numbers around 210 degree days which at current temperatures we can expect in about 5 to 8 days.

Carrot Weevil DD are presently at 83 and adults will begin to lay eggs at 138-156 DD, which at current temperatures will be in about 10- 15 days. Weevils overwinter in plant debris particularly in sheltered grassy areas such as ditches and around barns. To monitor their movements from their shelter to carrot fields, we started to set weevil traps in carrot fields around the Marsh.

### ***Herbicide Resistant Pigweed Project***

This project is being conducted to determine the extent of pigweed resistance to Group 7 (Lorox - linuron) and Group 5 (Gesagard/Sencor -prometryn/metribuzin) herbicides in Ontario. We will be contacting growers over the next several weeks. Participating growers will have pigweed plants collected from their carrot fields and tested for resistance development. They will also be required to fill in a questionnaire regarding their herbicide usage over the past two or more years. Farmers will be provided with recommendations. If there are any questions, contact Bridget Visser by calling the MCRS or email: [bvisser@uoguelph.ca](mailto:bvisser@uoguelph.ca).

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

