



MUCK CROPS RESEARCH STATION IPM 2011

This is the Muck Crops Research Station Report and IPM Information for Friday May 3, 2011

The season started with relatively cool and wet conditions, thus most fields are at field capacity and few are too wet to work. This resulted in delaying of seeding activity particularly for onions around the Holland Marsh. A total of 62 mm rain fell in April 2011. The cooler temperatures resulted in slow accumulation of degree days compared to the 2010 spring, which means emergence of most insects will be delayed. Degree days for onion maggot are presently at 107, first generation flies begin to emerge at 210. At current temperatures we may start to see the first generation onion flies in about 7-10 days. To reduce onion maggot problems, all volunteer onions and any remaining cull piles should be removed. Application of granular insecticides Lorsban 15 G and Pyrifos 15 G at seeding can reduce damage caused by first generation onion maggots. Follow label directions to ensure good control.

Seeding of early carrots and transplanting onions has been started around the Holland Marsh. 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.

The 2010-2011 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 IPM update (*Agriphone*) are for these editions of the guides.

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.

Field set up (trap placement) for the 2011 IPM scouting program of the Holland/Bradford Marsh will begin as of the week of May 9, 2011.

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

