



MUCK CROPS RESEARCH STATION IPM 2009

This is the Muck Crops Research Station Report and IPM Information for Friday May 08, 2009

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

Early season insect development is monitored through temperature accumulation (Degree Days or DD) and trapping. Degree Days for Onion Maggot are presently at 156, first generation flies begin to emerge at 210 DD, so emergence is expected early next week. To reduce onion maggot problems, all volunteer onions and any remaining cull piles should be removed.

Carrot Weevil DD are presently at 78 and adults will begin to lay eggs at 147 DD, which will be in about 10 to 14 days. Scouting for weevils on station has begun and the cumulative count is 0.17 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. For cumulative counts between 1.5 and 5 weevils/trap, one treatment is recommended at the 2nd leaf stage. For counts above 5 weevils/trap, or if weevils show up after the first spray, an additional treatment is recommended at the 4th leaf stage.

Carrot Rust Fly DD is at 185 DD and overwintering adults emerge at 329 DD. So emergence is not expected for at least another 2-3 weeks. Tarnished plant bug and aster leafhopper DD are just beginning to accumulate.

For May 7 at the Research Station the soil temperatures at 5 and 20 cm depth were 11.5 and 9.2°C. A total of 8.5 mm rain was accumulated between May 5 and May 7.

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. Onion Herbicide 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 transplanting, 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, two sunny days before application.

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 (stippling and mining on the leaves) before you transplant.

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