



## MUCK CROPS RESEARCH STATION IPM 2009

### **This is the Muck Crops Research Station Report and IPM Information for Tuesday May 12, 2009**

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

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.

A complete list of herbicides for pre and post-emergence weed control in carrots is listed on 219-221 in pub. 75. 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.

Onion Maggot degree days are presently at 180 and 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.

Carrot Weevil DD are presently at 91 and adults will begin to lay eggs at 147 DD, which will be in about 10 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 2<sup>nd</sup> leaf stage. For counts above 5 weevils/trap, or if weevils show up after the first spray, an additional treatment is recommended at the 4<sup>th</sup> leaf stage.

Carrot Rust Fly DD is at 213 DD and overwintering adults emerge at 329 DD. So emergence is expected in about 3 weeks. Tarnished plant bug and aster leafhopper DD are just beginning to accumulate.

For May 11 at the Research Station the soil temperature at 5 and 20 cm depth was 10°C. A total of 41 mm rain was accumulated between May 8 and May 11.

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