



MUCK CROPS RESEARCH STATION IPM 2010

This is the Muck Crops Research Station Report and IPM Information for May 4, 2010

To reduce wind erosion in onions and carrots, barley can be used. 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.

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 2010 Agriphone are referring these editions of the guides.

The degree days (DD) have begun to accumulate earlier than we had in the last three years. This will result in early emergence of most insects around the Holland Marsh. The good news is that plants may escape from damaging pest infestations. Degree days for onion maggot are presently at 219, which indicate the emergence of the first generation flies. 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.

Carrot Weevil DD are presently at 130 and adults will begin to lay eggs at 147 DD, which will be in about 3-4 days. Scouting for weevils on station has begun and the cumulative count is 1.1 weevils per trap. The threshold for weevils is a cumulative count of 1.5 weevils/trap. 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. Imidan is registered for the control of carrot weevils.

The Pest Management Regulatory Agency (PMRA) recently announced the approval of URMULE registrations for MATADOR/WARRIOR INSECTICIDE for control of carrot rust fly and carrot weevil on carrots in Canada. Matador/Warrior Insecticide can be used for control of carrot rust fly and carrot weevil at a rate of 83 mL per ha in 100 – 200 L water per ha. Follow label directions to ensure good control.

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.

Celery transplant health is obviously very important. Before transplanting, check for small, dark brown spots that are the first signs of Septaria late blight. Don't use transplants that are infected with late blight. Control fungus gnats in your greenhouse during transplant production to avoid damage to the roots. Also check your transplants for possibly pea leaf minor damage.

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

