



MUCK CROPS RESEARCH STATION IPM 2010

This is the Muck Crops Research Station Report and IPM Information for Friday May 14, 2010

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

Onion Herbicides recommendations can be found in Publication 75 the “Ontario Guide to Weed Control” on pages 225-227. On muck soils, apply Prowl 400 at the loop stage and again at the 2nd true leaf stage. Prowl works best if rain or irrigation is received within seven days of application. Prowl controls weeds as they emerge but do not control any existing weeds.

Frontier will help suppress yellow nutsedge before the yellow nutsedge has emerged, apply only once per season at the loop stage.

Pest monitoring around the Holland Marsh has been started. Carrot weevil and onion fly traps are set in monitored fields. Onion fly activity has begun but is considered low. To reduce onion maggot problems, all volunteer onions and any remaining cull piles should be removed.

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.

Ranman 400SC is registered for the suppression of cavity spot. A maximum of one application per season is allowed, as post-plant, pre-emergent application within 3 days after planting.

In carrots, 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.

Degree Days (DD) for tarnished plant bug reached 51, which means we will start to see tarnished plant bug any time now. This is 2 to 3 weeks earlier than the last 2 years. Weeds can harbour tarnished plant bug and thus weed control is essential at this moment.

Carrot Weevil DD are presently at 156, which indicates the time that adult weevils start to lay eggs. Scouting for weevils on station has begun and the cumulative count is 3.2 weevils per trap. The threshold for weevils is a cumulative count of 1.5 weevils/trap. Imidan and matador/warrior are registered for the control of carrot weevils. Follow label directions to ensure good control.

Carrot Rust Fly DD is at 311 DD and overwintering adults emerge at 329 DD. So emergence is expected in about 4-6 days. Aster leafhopper DD has started to accumulate and we may expect emergence earlier than the last two years.

Celery transplant health is obviously very important. Before transplanting, check for small, dark brown spots that are the first signs of Septoria late blight. Don't use transplants that are infected with late blight.

For May 13 at the Research Station the soil temperature at 5 and 10 cm depth was 7.7 and 7.5°C. A total of 17.0 mm rain was accumulated between May 11 and May 13.

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

