



MUCK CROPS RESEARCH STATION IPM 2010

This is the Muck Crops Research Station Report and IPM Information for Friday May 21, 2010

The barley wind breaks are growing fast and should be sprayed when they are 10 to 15 cm (4 - 6 inches) in height. Both Poast Ultra and Select are registered for this use in onions.

On muck soils, apply Prowl 400 when onions are 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.

The degree days (DD) have accumulated earlier. This resulted in early emergence of most insects around the Holland Marsh. The good news is that the crop may escape the worst damage if it hasn't emerged when the insects are laying eggs. Therefore, there is no need to spray if the crop is not up yet.

Onion fly activity has picked up. At our station fly count was 5.5 flies/trap/day. We found onion fly eggs on volunteer onions. 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.

Tarnished plant bug DD threshold for emergence have reached and we will start to see tarnished plant bug in celery fields. Weeds can harbour tarnished plant bug and thus weed control is essential at this moment.

Carrot weevil adults are moving into some carrot fields. Control of weevils is not necessary until carrots reach the 2nd true leaf stage and only if the population warrants treatment. The threshold for weevils is a cumulative count of 1.5 weevils/trap. Imidan and matador/warrior are registered for the carrot weevil control.

Carrot Rust Fly DD is at 386 which means adults will start to fly around. No carrot rust flies have been found on sticky traps at our station.

Aster leafhopper DD is at 133, which means overwintering eggs start to hatch. Emergence of adults is expected in the next 3-4 weeks.

For May 20 at the Research Station the soil temperature at 5 and 10 cm depth was 10.3 and 11.9°C. No rain fell between May 18 and May 20.

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

