



Bayer CropScience



Canada



## MUCK CROPS RESEARCH STATION IPM 2016

### This is the Muck Crops Research Station Report and IPM Information for Monday May 30, 2016

The weather in the Holland Marsh continues to be hot and dry. We have received just 1.6 mm of rain in the last 2 weeks. In general seeded onion fields are in the flag-1<sup>st</sup> true leaf stage and most fields have received irrigation. Our scouts have been seeing some heat canker in seeded onions fields due to the high soil temperatures.

#### *Onion Maggot Fly*

Onion maggot fly counts are increasing and we are nearing the 1<sup>st</sup> generation peak. Counts are elevated in most fields and the current count at the station is 5.8 flies/trap/day and 7.2 flies/trap/day at our Jane street field.

#### *Carrot Weevil*

Carrot weevils continue to move into fields and are currently laying eggs. The insecticide spray threshold for weevils is a cumulative count of 1.5 weevils/trap. Apply treatments when the carrots reach 2<sup>nd</sup> true leaf stage. Imidan, Rimon, and Matador/Warrior are currently registered for carrot weevil control. The current count on station is 1.75 weevils/trap.

#### *Onion weed control*

Most seeded onion fields in the marsh are at the flag – 1<sup>st</sup> leaf stage. Prowl H2O can be applied when onions are at the 2<sup>nd</sup> leaf stage. Prowl controls emerging weeds but does not control any existing weeds. Chateau WDG provides pre-emergence control of several common broadleaf weeds. It may be applied on onions between the 3-6 leaf stages. For post emergence broadleaf weed control, Aim, Goal and Pardner are registered. Goal can be applied when onions have two fully developed leaves and the onions have been exposed to one or two sunny days before application.

For transplant onions, Prowl and Goal can also be applied to once they are established, usually a good 10 days after transplanting. We have seen some Goal damage on onion transplants.

Barley windbreaks are growing rapidly this week and should be sprayed when they are 10-15 cm (4-6) inches high. Excel Super, Post Ultra, Select, and Venture are registered for this use.

#### *Carrot*

Carrot fields continue to be worked and seeded. 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.

For damping off and cavity spot control Ridomil 1G and Reason 500SC are registered. Apply the granular formulation of Ridomil in the seed furrow at a rate of 25 Kg/ha or 215 g/100m of row. Reason application can be made within 7 days after planting. Ranman 400SC and Torrent 400 SC are registered for the suppression of cavity spot. A maximum of one application per season of Ranman is allowed, as post-plant, pre-emergent application within 3 days after planting. Torrent can be applied post-plant, pre-emergent applied to soil within 3 days after seeding or broadcast or banded application 14 days after seeding. Please refer label for information on applications.



If you are using PicPlus at seeding for nematode control here are some important points to keep in mind; Make sure there is adequate soil moisture to prevent premature off-gassing of the product. This reduces the efficacy and increases the risk of unnecessary exposure. Maintain a distance of 10” between the point of injection and the seed. Maintain a minimum of an 8m buffer around the treated field and display necessary signage. Also remember to fill out your fumigant management plans prior to application. Wear appropriate face and respirator protection in the case of a leak.

### ***Carrot Rust Fly***

We have reached the degree day threshold for carrot rust fly emergence and flies are starting to be caught on our orange sticky traps.

### ***Celery***

Remember to check celery transplants for small black/brown spots which are signs of Septoria late blight. Don't plant infected transplants. Lorox and Gesegard can be used for weed control in celery. Apply Lorox 8-10 days after transplanting. Do not apply Gesegard until 21 days after transplanting.

### **Soil Temperatures**

**May 30:**           5 cm = 21.8 °C  
                           10 cm = 20.4 °C  
                           20 cm = 17.4 °C

ANY QUESTIONS OR COMMENTS? Call Dennis Van Dyk or Mary Ruth McDonald at 905-775-3783