



MUCK CROPS RESEARCH STATION IPM 2016

This is the Muck Crops Research Station Report and IPM Information for Monday August 8, 2016

Onion Insects

The hot weather is favourable for onion thrips, the threshold being 1 thrips/leaf. Current count at station is .09 thrips/leaf. Number in scouted fields vary from 0.8-1 thrips/leaf. Thrips move from harvested fields to adjacent fields. Onion thrips develop resistance quickly so always apply two subsequent applications of the same product or group.

Onion maggot fly counts are low in scouted fields. The current count on station is 0.125 flies/trap/day.

Onion Diseases

Stemphylium, purple blotch and bacterial infections have now been found in almost all scouted onion fields. Products registered for stemphylium leaf blight are Luna Tranquility, Quadris Top and Sercadis. For purple blotch control, Inspire, Fontelis, Quadris Top, Pristine, Cantus, Scala, Switch, Cabrio, Aliette, and Manzate are registered.

Carrot Insects

Carrot rust flies counts are low in many scouted fields. The threshold is 0.1 flies/trap/day for fresh market carrots and 0.2 flies/trap/day for processing carrots. The count at station is 0.15 flies/trap/day. Mako, Up-Cyde, Matador, Silencer, and Diazinon are registered for control of carrot rust fly.

Aster yellows symptoms continue to show up in scouted carrot fields. In most fields aster leafhopper counts have slowed. Actara, Admire, Sevin, Surround and Sylvanto Prime are registered for aster leafhopper control.

Celery Leaf Curl

Celery leaf curl is starting to show up and spread in scouted celery fields. Incidence has been increasing with the later plantings of celery. Check your fields for curling/deformed leaves as well as rotting in the heart of the plant similar to calcium deficiency. Currently only Quadris is registered for control of celery leaf curl.

Disease Forecasting

BOTCAST: The cumulative disease severity index (CDSI) for botrytis leaf blight is 17, so the risk for disease is low to moderate. Risk of botrytis is low when temperatures exceed 30°C. DOWNCAST and BREMCAST have both predicted no sporulation infection periods in the past 7 days. The risk of downy mildew on onion and lettuce is low to moderate at this time.

ANY QUESTIONS OR COMMENTS? Call 905-775-3783

