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## MUCK CROPS RESEARCH STATION IPM 2017

**This is the Muck Crops Research Station Report and IPM Information for Tuesday May 23, 2017**

There were a couple large storms on Thursday and Sunday, damaging some onion fields and celery transplants. The wind was strong enough to even blow around irrigation pipes as well. Physical damage to the crop can increase the risk of bacterial or fungal diseases. The weather has been warm as well, meaning insect pests are developing and thresholds for emergence and egg laying are being reached. We've also started accumulating values for our disease forecasting models. In addition, our scouts should begin full time scouting this week.

### Onion

Most fields have been seeded and onions are beginning to emerge around the marsh. We have passed the threshold for onion maggot emergence.

The threshold for first generation onion maggot emergence has now passed. Yellow sticky traps are being set up around the marsh to track this first generation.

### Carrot

Some carrot fields have been planted around the marsh, and a few of the earlier seeded carrots have emerged.

The threshold for carrot weevil egg laying has just been reached. We monitor CW populations in fields through our IPM program and recommend insecticide applications at the 2<sup>nd</sup> and 4<sup>th</sup> TLS to control CW as they enter the field and begin to lay eggs into the carrot crop.

Carrot rust fly has also passed the degree day threshold for emergence. Carrot rust fly traps will be set up in scouted fields as the carrots begin to emerge to track this pest.

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

DATE (May, 2016)	TEMPERATURE (°C)		ACCUMULATED RAINFALL (mm)
	MAX	MIN	
16	17.7	3.7	0
17	29.9	9.9	0.2
18	29.9	16.0	17
19	16.0	6.4	0
20	17.2	4.2	0
21	14.3	11.4	13.4
22	15.3	8.1	0

