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MUCK CROPS RESEARCH STATION IPM 2017

This is the Muck Crops Research Station Report and IPM Information for Monday May 29, 2017

The weather continues to be wet, with over 15 mm of rain accumulating last week. With all the wet weather, planting has been delayed, delaying some scouting in hand, but the scouts are officially scouting full time now. Expect to see them around fields in the marsh.

We are currently running the disease forecasting models BOTCAST, DOWNCAST, and BREMCAST. For BOTCAST (botrytis leaf blight) and DOWNCAST (downy mildew on onions), risk is currently low. BREMCAST has predicted sporulation infection periods for downy mildew on lettuce, meaning risk is moderate.

Onions

Most onions are emerging, at the loop and flag leaf stage, around the marsh. Onion maggots are currently emerging and traps are set out around the marsh. The current count at the research station is 1 fly/trap/day.

Barley windbreaks continue to grow 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.

Carrots

Carrot fields continue to be planted, with a couple fields with an emerged crop. Both carrot weevil and carrot rust fly are now active in the marsh, with carrot rust fly traps being set up as the crop emerges. On station, we currently have 3 cumulative CW/trap.

For weed control, Gesagard can be applied after planting but before the time of crop emergence. Post-emergence, Lorox is available, although recently emerged carrots are very sensitive to Lorox, particularly after heavy rain or irrigation.

Celery

There are a few fields of transplanted celery around the marsh. Remember to watch for small brown/black spots while transplanting at the spots are signs of Septoria late blight. Do not plant infected transplants. Tarnished plant bug nymphs are now beginning to emerge.

For weed control, Lorox can be applied 8-10 days after transplanting, once new growth has started. Gesagard can be applied 21 days after transplanting, once the transplants are well established.

DATE (May, 2017)	TEMPERATURE (°C)		ACCUMULATED RAINFALL (mm)
	MAX	MIN	
22	16.0	7.6	0
23	21.4	5.7	0
24	23.0	11.8	0.2
25	18.3	12.5	7.2
26	18.5	12.5	5.2
27	20.3	12.9	3.0
28	22.2	9.1	0

