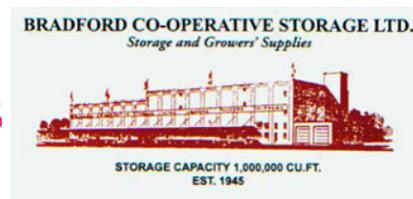




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Muck Crops Research Station Agriphone 2019

Highlights for 24 May

- Onions fields are coming up, some have a true leaf
- Onion maggot flies have been seen
- Carrot weevil has been caught, but it is not yet laying eggs

Disease Forecasting Highlight:

BOTCAST (Botrytis leaf blight)	DOWNCAST (Onion downy mildew)	BSP Cast (Stemphylium leaf blight)	White Rot on onions	Sclerotinia (White Mold) on Carrot	TOMCAST (General conditions for disease)	BREMCAST (Lettuce downy mildew)
LOW RISK	LOW RISK	LOW RISK	LOW RISK	LOW RISK	LOW RISK	LOW RISK

Onion Update:

Onions are in, and depending on the field they may now be coming up or putting on leaves. As your onions are coming up, weed control is critical. Prowl H2O can be applied at the loop stage and the 2nd true leaf stage for weed control, although Prowl only control emerging weeds and not established weeds. Prowl can also be applied to transplants once they are established, around 10 good days after transplanting. Chateau is also registered to control weeds before they emerge, recommended around the 2-6 leaf stage in transplants of 3-6 leaf stage in seeded onions. With how wet the season has been, and the lack of good sunny days to dev, it might pay to be a little more cautious until the weather turns around as the onions can struggle the develop that thick, waxy layer which helps protect them from herbicide injury. Frontier Max is registered for controlling yellow nutsedge pre-emergence. Apply Frontier Max once per season at the loop stage.

Carrot Update:

Carrots are continuing to be seeded. In a couple early carrot fields there are some bunny ears peaking up. Carrot insect activity hasn't quite started up yet, but we have found carrot weevils. The weevil is approaching the start of it's egg laying periods, but with the delay in seeding most carrot fields carrot weevil may not be a major issue.

Celery Update:

There is a fair amount of celery transplants out in the marsh already this year. With the later carrot seedings, carrot weevil may move into these fields as they begin their egg laying. 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

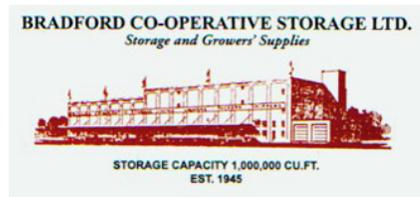


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Disease Forecasting:

Currently there is a very low risk for all diseases we forecast. As crops develop and temperatures increase, more information will be provided here.

Daily Weather and Soil Temperatures:

Date (May, 2019)	Max temperature	Min temperature	Rain (mm)
20	17.1	7.0	0.0
21	17.5	5.6	0.0
22	15.9	3.7	0.0
23	24.9	7.9	0.4

Soil Temperature (°C): 5cm:12.3

10cm: 15.2

20 cm: 14.6



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