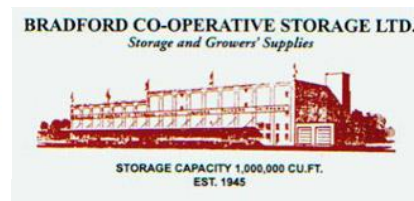




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# Grand Bend IPM 2020

## Forecasting/weather information as of June 5

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)
LOW RISK	LOW RISK	LOW RISK	LOW RISK	LOW RISK	MODERATE RISK

### Daily Weather and Soil Temperatures:

Date (June 2020)	Max temperature	Min temperature	Rain (mm)
2	31.7	13.0	5.6
3	25.9	15.1	1.4
4	29.3	12.8	0.0

Soil Temperature (°C): 5cm: 23.5

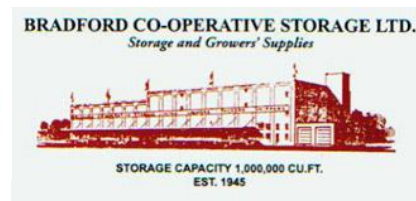
### Disease Forecasting:

Disease model	Cumulative DSI	Change since last report	Comments
BOTCAST (Botrytis leaf blight)	18	+6	Weather has been favourable for development of botrytis, but risk is low with no inoculum.
DOWNCAST (Onion downy mildew)	No sporulation-infection period	0	Downy mildew requires very specific weather conditions that have not occurred.
BSPCast (Stemphylium leaf blight)	Low risk	0	Risk is currently low. Weather conditions are not favourable for disease development.
White Rot on Onions	0	-2	Low risk.
Sclerotinia (White Mold) on Carrot	0	0	No risk until carrot canopy is fully closed.
TOMCAST (General conditions for disease)	40	+8	Conditions could be favourable for potential disease development.





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Standard Growing Degree Day Model (Starting 1 April):

MODELS	CUMULATIVE DEGREE DAYS	DEGREE DAYS SINCE LAST REPORT
Growing degree days (DD base 5)	339	56

Insect Degree Day Models:

MODELS	CUMULATIVE DEGREE DAYS	THRESHOLD ONE	THRESHOLD TWO	COMMENTS:
CARROT RUST FLY (DD base 3)	420	Emergence at 329-395 DD (1 <sup>st</sup> gen)	Emergence at 1399-1711 DD (2 <sup>nd</sup> gen)	1 <sup>st</sup> generation adults active
ONION MAGGOT (DD base 4)	377	Emergence at 210 DD (1 <sup>st</sup> gen)	Emergence at 1025 DD (2 <sup>nd</sup> gen)	1 <sup>st</sup> generation active
CARROT WEEVIL (DD base 7)	272	Egg laying starts at 138-156 DD	Egg laying 90% complete at 455 DD	Weevils are in the egg laying period
ASTER LEAFHOPPER (DD base 9)	211	Nymphs emerge at 128 DD	Adults emerge at 390 DD	Nymph emergence
TARNISHED PLANT BUG (DD base 12)	133	Activity can start at 40 DD		Active
CABBAGE MAGGOT (DD base 6)	304	Emergence at 314 DD (1 <sup>st</sup> gen)	Emergence at 847 DD (2 <sup>nd</sup> gen)	1 <sup>st</sup> generation emergence imminent
SEEDCORN MAGGOT (DD base 4)	377	Emergence at 200 DD (1 <sup>st</sup> gen)	Emergence at 600 DD (2 <sup>nd</sup> gen)	First generation adults active

