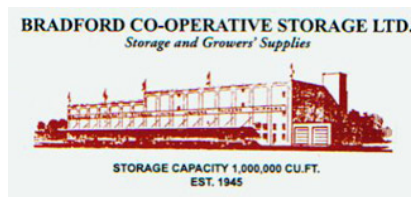




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Keswick IPM 2019 – 2 August

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	HIGH RISK	LOW RISK	LOW RISK	MODERATE RISK	LOW RISK

Forecasting/weather information as of 2 August

Daily Weather and Soil Temperatures:

Date (July/August)	Max temperature	Min temperature	Rain (mm)
26	31.1	12.6	0.0
27	29.2	14.3	0.0
28	29.4	18.4	0.0
29	30.7	16.3	0.0
30	28.8	19.1	0.2
31	26.4	12.2	0.0
1	26.7	8.8	0.0

Soil Temperature: 5cm: 23.3

Disease Forecasting:

Disease model	Cumulative DSI	Change since last report	Comments
BOTCAST (Botrytis leaf blight)	0	0	Risk is low
DOWNCAST (Onion downy mildew)	No sporulation-infection periods	No activity	Risk is low, weather not appropriate
BSPCast (Stemphylium leaf blight)	6/7 days with good weather for stemphylium	High activity	Risk is high, weather is conducive to disease development
White Rot on Onions	0	No activity	Soil too warm
Sclerotinia (White Mold) on Carrot	0	No activity	No risk until canopy closes and is more moist
TOMCAST (General conditions for disease)	81	18	Favourable weather for leaf diseases
BREMCAST (Lettuce downy mildew)	0		Temp. too high for lettuce downy mildew



We create chemistry



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Standard Growing Degree Day Model (1 April):

MODELS	CUMULATIVE DEGREE DAYS	DEGREE DAYS SINCE LAST REPORT
Growing degree days (DD base 5)	1023	113

Insect Degree Day Models:

MODELS	CUM DEGREE DAYS	THRESHOLD ONE	THRESHOLD TWO	COMMENTS:
CARROT RUST FLY (DD base 3)	1211	Emergence at 329-395 DD (1 st gen)	Emergence at 1399-1711 DD (2 nd gen)	2 nd generation likely 1-2 weeks away
ONION MAGGOT (DD base 4)	1117	Emergence at 210 DD (1 st gen)	Emergence at 1025 DD (2 nd gen)	2 nd generation active
CARROT WEEVIL (DD base 7)	842	Egg laying starts at 138-156 DD	Egg laying 90% complete at 455 DD	Weevil done laying eggs
ASTER LEAFHOPPER (DD base 9)	672	Nymphs emerge at 128 DD	Adults emerge at 390 DD	Active
TARNISHED PLANT BUG (DD base 12)	451	Activity can start at 40 DD		Active
CABBAGE MAGGOT (DD base 6)	931	Emergence at 314 DD (1 st gen)	Emergence at 847 DD (2 nd gen)	2 nd generation active
SEEDCORN MAGGOT (DD base 4)	1117	Emergence at 200 DD (1 st gen)	Emergence at 600 DD (2 nd gen)	Well past 2 nd generation