

Hamden_Ri sk_6_1_6_26_2009.txt

Hamden, CT Black Rot - Grape From 2009-06-01 To 2009-06-26

Date	Hi gh Temp	Low Temp	Wet Hours	Dai l y Ri sk	Warni ng
06/01	69.2	39.5		0.00	
06/02	78.3	52.3	8.3	0.47	
06/03	71.5	54.6	12.8	0.94	
06/04	72.7	53.4	12.0	1.54	Infecti on Ri sk
06/05	61.3	53.2	23.3	2.09	Infecti on Ri sk
06/06	77.0	53.1	10.8	2.56	Infecti on Ri sk
06/07	80.7	54.2	10.0	1.08	Infecti on Ri sk
06/08	77.1	59.6	4.0	0.92	
06/09	61.4	55.8	21.3	1.91	Infecti on Ri sk
06/10	68.1	55.1	15.5	3.34	Infecti on Ri sk
06/11	63.1	58.8	24.0	5.98	Infecti on Ri sk
06/12	77.4	59.6	21.8	9.20	Infecti on Ri sk
06/13	76.6	62.1	15.8	10.31	Infecti on Ri sk
06/14	72.5	52.5	11.8	2.02	Infecti on Ri sk
06/15	69.6	51.4	11.8	1.11	Infecti on Ri sk
06/16	70.3	51.7	10.5	1.61	Infecti on Ri sk
06/17	70.0	46.6	10.0	0.61	
06/18	63.5	56.7	24.0	3.01	Infecti on Ri sk
06/19	80.5	61.8	15.0	5.14	Infecti on Ri sk
06/20	73.7	61.3	17.8	7.73	Infecti on Ri sk
06/21	74.3	62.7	19.8	10.74	Infecti on Ri sk
06/22	71.7	64.2	16.0	13.22	Infecti on Ri sk
06/23	77.5	64.0	11.3	14.22	Infecti on Ri sk
06/24	71.6	62.2	21.5	4.02	Infecti on Ri sk
06/25	79.2	62.3	17.8	6.70	Infecti on Ri sk
06/26	65.9	63.1	6.8	7.70	Infecti on Ri sk

Hamden, CT Botrytis - Grape From 2009-06-01 To 2009-06-26

Date	Hi gh Temp	Low Temp	Wet Hours	RH>95 Hours	Dai l y Ri sk	Warni ng
06/01	69.2	39.5			0.00	
06/02	78.3	52.3	8.3	1.5	0.00	
06/03	71.5	54.6	12.8		0.00	
06/04	72.7	53.4	12.0	9.0	0.00	
06/05	61.3	53.2	23.3	16.5	2.23	Hi gh Infecti on Ri sk
06/06	77.0	53.1	10.8	8.3	0.00	
06/07	80.7	54.2	10.0	7.3	0.00	
06/08	77.1	59.6	4.0		0.00	
06/09	61.4	55.8	21.3	20.5	2.37	Hi gh Infecti on Ri sk
06/10	68.1	55.1	15.5	10.5	0.40	Low Infecti on Ri sk
06/11	63.1	58.8	24.0	21.5	2.74	Hi gh Infecti on Ri sk
06/12	77.4	59.6	21.8	16.0	2.58	Hi gh Infecti on Ri sk
06/13	76.6	62.1	15.8	5.8	1.17	Hi gh Infecti on Ri sk
06/14	72.5	52.5	11.8	10.5	0.00	
06/15	69.6	51.4	11.8	9.3	0.00	
06/16	70.3	51.7	10.5	5.0	0.00	
06/17	70.0	46.6	12.5	9.0	0.00	
06/18	63.5	56.7	24.0	19.3	2.81	Hi gh Infecti on Ri sk
06/19	80.5	61.8	15.0	12.8	0.95	Moderate Infecti on Ri sk
06/20	73.7	61.3	17.8	12.3	1.67	Hi gh Infecti on Ri sk
06/21	74.3	62.7	19.8	10.8	2.21	Hi gh Infecti on Ri sk
06/22	71.7	64.2	16.0		1.32	Hi gh Infecti on Ri sk
06/23	77.5	64.0	11.3		0.15	Low Infecti on Ri sk
06/24	71.6	62.2	21.5	12.3	2.62	Hi gh Infecti on Ri sk
06/25	79.2	62.3	17.8	8.5	1.64	Hi gh Infecti on Ri sk
06/26	65.9	63.1	6.8	5.8	0.00	

Hamden_Risk_6_1_6_26_2009.txt

Hamden, CT Downy Mildew - Grape From 2009-06-01 To 2009-06-26

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
06/01	69.2				0.0	0.0	0	
06/02	78.3	0.0		8.3	0.8	0.0	1	Primary Infection
06/03	71.5	>min	0.02	12.8	0.0	0.0	0	
06/04	72.7	>min	0.23	12.0	8.3	0.0	1	Possible Infection
06/05	61.3	>min	0.43	23.3	13.8	0.0	1	Possible Infection
06/06	77.0	>min	0.01	10.8	7.8	0.0	1	Possible Infection
06/07	80.7	>min		10.0	7.0	0.0	1	Possible Infection
06/08	77.1	>min		4.0	0.0	0.0	0	
06/09	61.4	>min	0.89	21.3	19.0	0.0	1	Possible Infection
06/10	68.1	>min	0.01	15.5	10.3	0.0	1	Possible Infection
06/11	63.1	>min	0.03	24.0	19.3	0.0	1	Possible Infection
06/12	77.4	>min	0.64	21.8	15.8	4.3	3	High Risk of Infection
06/13	76.6	>min		15.8	4.8	0.0	1	Possible Infection
06/14	72.5	>min	0.31	11.8	9.8	0.0	1	Possible Infection
06/15	69.6	>min	0.04	11.8	8.8	0.0	1	Possible Infection
06/16	70.3	>min		10.5	1.8	0.0	1	Possible Infection
06/17	70.0	>min		12.5	9.0	0.0	1	Possible Infection
06/18	63.5	>min	1.93	24.0	17.5	0.0	1	Possible Infection
06/19	80.5	>min	0.08	15.0	12.3	0.8	3	High Risk of Infection
06/20	73.7	>min	1.11	17.8	11.0	0.5	3	High Risk of Infection
06/21	74.3	>min	0.47	19.8	10.3	0.5	3	High Risk of Infection
06/22	71.7	>min		16.0	0.0	0.0	0	
06/23	77.5	>min		11.3	0.0	0.0	0	
06/24	71.6	>min	0.18	21.5	10.5	0.3	1	Possible Infection
06/25	79.2	>min	0.02	17.8	8.3	0.5	3	High Risk of Infection
06/26	65.9	>min		6.8	4.3	0.0	1	Possible Infection

Hamden, CT Powdery Mildew - Grape From 2009-06-01 To 2009-06-26

Date	Temperature High	Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
06/01	69.2	56.4	0.0	0.0	0.0		
06/02	78.3	64.9	7.8	0.0	8.0		
06/03	71.5	61.6	1.0	0.0	12.0		
06/04	72.7	60.0	2.0	0.0	12.0	Heavy	
06/05	61.3	57.0	0.0	0.0	23.0	Heavy	
06/06	77.0	64.5	8.5	0.0	10.8	Heavy	
06/07	80.7	68.2	11.8	0.0	9.3		
06/08	77.1	66.5	7.3	0.0	3.8		60 Heavy
06/09	61.4	58.3	0.0	0.0	20.0	Heavy	50 Medium
06/10	68.1	60.6	0.0	0.0	15.0	Heavy	40 Medium
06/11	63.1	60.4	0.0	0.0	23.3	Heavy	30 Light
06/12	77.4	67.2	8.0	0.0	17.3	Heavy	50 Medium
06/13	76.6	66.7	5.8	0.0	14.8	Heavy	40 Medium
06/14	72.5	62.3	1.0	0.0	11.5	Heavy	30 Light
06/15	69.6	60.0	0.0	0.0	11.0		20 Light
06/16	70.3	60.5	0.3	0.0	10.0	Heavy	10 Light
06/17	70.0	58.7	0.3	0.0	12.3		0
06/18	63.5	60.6	0.0	0.0	24.0	Heavy	0
06/19	80.5	68.9	9.3	0.0	11.8	Heavy	20 Light
06/20	73.7	66.0	3.0	0.0	17.5	Heavy	10 Light
06/21	74.3	66.6	2.8	0.0	16.5	Heavy	0
06/22	71.7	66.8	3.3	0.0	12.5	Heavy	0
06/23	77.5	69.8	11.0	0.0	7.3		20 Light
06/24	71.6	66.0	1.5	0.0	18.5	Heavy	10 Light
06/25	79.2	69.1	9.8	0.0	12.0	Heavy	30 Light

06/26 65.9 64.6 0.0 0.0 7.3 20 Light

Leaf Wetness Sensor Parameters:

Base Temperature 0.0
Upper Temperature 100.0
Wetness Threshold 6.0

Hamden, CT Phomopsis Cane+Leaf Spot - Grape From 2009-06-01 To 2009-06-26

Date	Temp Mean	Wet Hours	Rain-Fall	Wet+Rain	Wet Temp	Di sease Catawba	Intensi ty Seyval
06/01	56.4	0.0	0.00	0.0	0.0	0	0
06/02	64.9	10.5	0.00	0.0	0.0	0	0
06/03	61.6	14.0	0.02	7.3	57.3	25 Light	43 Moderate
06/04	60.0	15.8	0.23	17.3	56.1	83 Moderate	98 High
06/05	57.0	23.5	0.43	11.8	56.3	48 Moderate	67 Moderate
06/06	64.5	22.5	0.01	30.3	61.2	221 High	218 High
06/07	68.2	17.0	0.00	0.0	0.0	0	0
06/08	66.5	5.5	0.00	0.0	0.0	0	0
06/09	58.3	23.5	0.89	22.3	58.3	132 High	143 High
06/10	60.6	24.0	0.01	46.3	59.5	390 High	322 High
06/11	60.4	24.0	0.03	70.3	59.8	716 High	503 High
06/12	67.2	24.0	0.64	94.3	61.7	1131 High	722 High
06/13	66.7	24.0	0.00	118.3	62.7	1581 High	936 High
06/14	62.3	22.5	0.31	136.8	62.8	1947 High	1091 High
06/15	60.0	22.5	0.04	10.0	62.1	46 Moderate	71 Moderate
06/16	60.5	21.5	0.00	0.0	0.0	0	0
06/17	58.7	17.5	0.00	0.0	0.0	0	0
06/18	60.6	24.0	1.93	19.0	61.4	114 High	136 High
06/19	68.9	24.0	0.08	43.0	65.6	370 High	340 High
06/20	66.0	24.0	1.11	67.0	65.7	697 High	539 High
06/21	66.6	24.0	0.47	91.0	66.0	1077 High	743 High
06/22	66.8	24.0	0.00	115.0	66.1	1502 High	948 High
06/23	69.8	24.0	0.00	139.0	66.8	1951 High	1158 High
06/24	66.0	24.0	0.18	163.0	66.6	2454 High	1366 High
06/25	69.1	24.0	0.02	187.0	67.0	2971 High	1576 High
06/26	64.6	6.8	0.00	194.3	66.9	3142 High	1640 High

Leaf Wetness Sensor Parameters:

Base Temperature 41.0
Upper Temperature 95.9
Wetness Threshold 3.0

Wet+Rain is the number of rain-initiated leaf wetness hours

Wet Temp is the mean temperature during the rain-initiated wetness period

Di sease Intensi ty projects the estimated lesions per leaf