

Newport_Ri sk_6_1_6_26_2009.txt

Newport, RI Black Rot - Grape From 2009-06-01 To 2009-06-26

Date	Hi gh Temp	Low Temp	Wet Hours	Dai ly Ri sk	Warni ng
06/01	62.1	42.0		0.00	
06/02	74.8	53.9	11.0	1.14	Infecti on Ri sk
06/03	75.3	55.8	14.0	1.71	Infecti on Ri sk
06/04	65.8	53.4	13.5	1.47	Infecti on Ri sk
06/05	58.9	51.9	23.3	1.83	Infecti on Ri sk
06/06	70.5	52.9	13.5	2.35	Infecti on Ri sk
06/07	79.7	54.6	8.5	0.99	
06/08	73.1	55.5	10.5	0.77	
06/09	58.2	52.5	24.0	2.06	Infecti on Ri sk
06/10	67.1	54.7	11.5	2.96	Infecti on Ri sk
06/11	67.0	55.3	14.3	1.32	Infecti on Ri sk
06/12	76.4	58.8	20.5	4.16	Infecti on Ri sk
06/13	76.1	57.9	12.3	5.12	Infecti on Ri sk
06/14	68.7	52.8	14.5	1.39	Infecti on Ri sk
06/15	68.9	51.6	12.0	0.68	
06/16	70.0	47.0	6.5	0.59	
06/17	69.5	46.1	9.0	0.52	
06/18	65.0	50.0	16.3	1.79	Infecti on Ri sk
06/19	74.6	61.6	17.8	4.24	Infecti on Ri sk
06/20	69.4	60.7	15.8	6.26	Infecti on Ri sk
06/21	67.6	59.8	17.5	8.40	Infecti on Ri sk
06/22	63.0	59.5	24.0	11.16	Infecti on Ri sk
06/23	68.9	60.1	20.3	13.63	Infecti on Ri sk
06/24	64.4	57.1	18.8	15.73	Infecti on Ri sk
06/25	72.8	59.5	13.3	17.34	Infecti on Ri sk
06/26	65.8	61.1	8.0	18.34	Infecti on Ri sk

Newport, RI Botrytis - Grape From 2009-06-01 To 2009-06-26

Date	Hi gh Temp	Low Temp	Wet Hours	RH>95 Hours	Dai ly Ri sk	Warni ng
06/01	62.1	42.0			0.00	
06/02	74.8	53.9	11.0		0.00	
06/03	75.3	55.8	14.0	5.8	0.18	Low Infecti on Ri sk
06/04	65.8	53.4	13.5	10.3	0.00	
06/05	58.9	51.9	23.3	18.5	2.07	Hi gh Infecti on Ri sk
06/06	70.5	52.9	13.5	15.5	0.00	
06/07	79.7	54.6	8.5	7.8	0.00	
06/08	73.1	55.5	10.5	3.8	0.00	
06/09	58.2	52.5	24.0	8.8	2.30	Hi gh Infecti on Ri sk
06/10	67.1	54.7	11.5	12.5	0.00	
06/11	67.0	55.3	14.3	10.3	0.20	Low Infecti on Ri sk
06/12	76.4	58.8	20.5	22.8	2.73	Hi gh Infecti on Ri sk
06/13	76.1	57.9	12.3	8.5	0.10	Low Infecti on Ri sk
06/14	68.7	52.8	14.5	11.5	0.06	Low Infecti on Ri sk
06/15	68.9	51.6	12.0	7.5	0.00	
06/16	70.0	47.0	6.8	1.5	0.00	
06/17	69.5	46.1	11.3	7.5	0.00	
06/18	65.0	50.0	16.3	7.5	1.00	Hi gh Infecti on Ri sk
06/19	74.6	61.6	17.8	18.8	1.97	Hi gh Infecti on Ri sk
06/20	69.4	60.7	15.8	18.5	1.47	Hi gh Infecti on Ri sk
06/21	67.6	59.8	17.5	14.8	1.43	Hi gh Infecti on Ri sk
06/22	63.0	59.5	24.0	22.3	2.75	Hi gh Infecti on Ri sk
06/23	68.9	60.1	20.3	18.5	2.00	Hi gh Infecti on Ri sk
06/24	64.4	57.1	18.8	19.3	1.62	Hi gh Infecti on Ri sk
06/25	72.8	59.5	13.3	12.8	0.68	Moderate Infecti on Ri sk
06/26	65.8	61.1	8.0	8.8	0.00	

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Newport, RI Downy Mi ldew - Grape From 2009-06-01 To 2009-06-26

Date	Hi gh Temp	Deg Hrs43	Rai n Fall	Wet Hours	Hours>95%RH	43-86	66-77	Ri sk	Warni ng
06/01	62.1				0.0	0.0	0	0	
06/02	74.8	0.0		11.0	0.0	0.0	0	0	Primary Infection
06/03	75.3	>mi n	0.01	14.0	2.8	0.0	1	1	Possi ble Infection
06/04	65.8	>mi n	0.27	13.5	8.5	0.0	1	1	Possi ble Infection
06/05	58.9	>mi n	0.65	23.3	17.3	0.0	1	1	Possi ble Infection
06/06	70.5	>mi n	0.07	13.5	15.0	0.0	1	1	Possi ble Infection
06/07	79.7	>mi n	0.01	8.5	7.8	0.0	1	1	Possi ble Infection
06/08	73.1	>mi n		10.5	1.5	0.0	1	1	Possi ble Infection
06/09	58.2	>mi n	0.31	24.0	8.0	0.0	1	1	Possi ble Infection
06/10	67.1	>mi n	0.01	11.5	12.3	0.0	1	1	Possi ble Infection
06/11	67.0	>mi n	0.01	14.3	9.3	0.0	1	1	Possi ble Infection
06/12	76.4	>mi n	0.40	20.5	20.3	3.3	3	3	Hi gh Ri sk of Infection
06/13	76.1	>mi n	0.03	12.3	7.8	0.0	1	1	Possi ble Infection
06/14	68.7	>mi n	0.14	14.5	10.0	0.0	1	1	Possi ble Infection
06/15	68.9	>mi n		12.0	7.0	0.0	1	1	Possi ble Infection
06/16	70.0	>mi n		6.8	0.5	0.0	1	1	Possi ble Infection
06/17	69.5	>mi n		11.3	7.0	0.0	1	1	Possi ble Infection
06/18	65.0	>mi n	0.44	16.3	6.3	0.0	1	1	Possi ble Infection
06/19	74.6	>mi n	0.77	17.8	18.3	1.5	3	3	Hi gh Ri sk of Infection
06/20	69.4	>mi n		15.8	17.5	0.8	3	3	Hi gh Ri sk of Infection
06/21	67.6	>mi n	0.04	17.5	12.0	0.0	1	1	Possi ble Infection
06/22	63.0	>mi n	0.10	24.0	19.0	0.0	1	1	Possi ble Infection
06/23	68.9	>mi n	0.01	20.3	16.3	0.0	1	1	Possi ble Infection
06/24	64.4	>mi n	0.02	18.8	18.5	0.0	1	1	Possi ble Infection
06/25	72.8	>mi n	0.01	13.3	10.5	0.0	1	1	Possi ble Infection
06/26	65.8	>mi n		8.0	8.5	0.0	1	1	Possi ble Infection

Newport, RI Powdery Mi ldew - Grape From 2009-06-01 To 2009-06-26

Date	Temperature Hi gh	Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Coni di al Index
06/01	62.1	54.0	0.0	0.0	0.0		
06/02	74.8	61.6	2.0	0.0	10.8		
06/03	75.3	61.7	2.8	0.0	13.8	Heavy	
06/04	65.8	57.9	0.0	0.0	13.5	Heavy	
06/05	58.9	55.2	0.0	0.0	23.3	Heavy	
06/06	70.5	57.7	0.5	0.0	13.3	Heavy	
06/07	79.7	66.5	9.3	0.0	8.5		
06/08	73.1	62.1	1.5	0.0	10.3		
06/09	58.2	55.2	0.0	0.0	23.8	Heavy	
06/10	67.1	59.2	0.0	0.0	9.8	Heavy	
06/11	67.0	59.5	0.0	0.0	12.3		
06/12	76.4	64.9	1.5	0.0	20.5	Heavy	
06/13	76.1	64.7	6.0	0.0	12.3	Heavy	
06/14	68.7	59.7	0.0	0.0	14.3	Heavy	
06/15	68.9	59.1	0.0	0.0	11.8		
06/16	70.0	58.7	0.3	0.0	5.8		
06/17	69.5	58.5	0.0	0.0	11.0		
06/18	65.0	59.9	0.0	0.0	15.8		
06/19	74.6	65.3	4.0	0.0	17.3	Heavy	
06/20	69.4	63.9	0.0	0.0	15.0	Heavy	
06/21	67.6	62.5	0.0	0.0	16.5	Heavy	
06/22	63.0	61.0	0.0	0.0	24.0	Heavy	
06/23	68.9	62.5	0.0	0.0	20.0	Heavy	
06/24	64.4	61.2	0.0	0.0	18.5	Heavy	
06/25	72.8	64.7	2.5	0.0	11.8	Heavy	

06/26 65.8 62.4 0.0 0.0 7.8

Leaf Wetness Sensor Parameters:

Base Temperature 0.0
 Upper Temperature 100.0
 Wetness Threshold 6.0

Newport, RI 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 Intensi ty Catawba	Seyval
06/01	54.0	0.0	0.00	0.0	0.0	0	0
06/02	61.6	12.3	0.00	0.0	0.0	0	0
06/03	61.7	14.3	0.01	3.3	57.2	8 Light	18 Light
06/04	57.9	15.0	0.27	14.3	55.8	62 Moderate	79 Moderate
06/05	55.2	23.5	0.65	12.5	55.0	49 Moderate	65 Moderate
06/06	57.7	16.0	0.07	22.0	54.6	106 Hi gh	114 Hi gh
06/07	66.5	9.8	0.01	0.3	61.6	0 Li ght	2 Li ght
06/08	62.1	11.5	0.00	6.5	60.3	24 Li ght	43 Moderate
06/09	55.2	24.0	0.31	14.3	54.6	57 Moderate	73 Moderate
06/10	59.2	20.3	0.01	28.3	55.9	165 Hi gh	162 Hi gh
06/11	59.5	19.5	0.01	3.3	59.1	9 Li ght	20 Li ght
06/12	64.9	24.0	0.40	27.3	64.2	194 Hi gh	209 Hi gh
06/13	64.7	19.8	0.03	39.8	64.5	333 Hi gh	310 Hi gh
06/14	59.7	16.8	0.14	11.5	57.4	49 Moderate	69 Moderate
06/15	59.1	13.8	0.00	0.0	0.0	0	0
06/16	58.7	12.8	0.00	0.0	0.0	0	0
06/17	58.5	11.8	0.00	0.0	0.0	0	0
06/18	59.9	17.3	0.44	8.3	61.4	35 Moderate	57 Moderate
06/19	65.3	24.0	0.77	32.3	64.3	247 Hi gh	249 Hi gh
06/20	63.9	22.5	0.00	48.0	64.4	437 Hi gh	377 Hi gh
06/21	62.5	24.0	0.04	20.3	62.7	127 Hi gh	149 Hi gh
06/22	61.0	24.0	0.10	44.3	61.8	384 Hi gh	330 Hi gh
06/23	62.5	24.0	0.01	68.3	62.0	716 Hi gh	521 Hi gh
06/24	61.2	24.0	0.02	92.3	61.8	1099 Hi gh	709 Hi gh
06/25	64.7	22.8	0.01	111.0	62.4	1440 Hi gh	871 Hi gh
06/26	62.4	8.8	0.00	0.0	0.0	0	0

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
 Disease Intensity projects the estimated lesions per leaf