

New_Preston_Risk_5_21.txt

New Preston, CT Black Rot - Grape From 2009-05-01 To 2009-05-21

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
05/01	64.6	48.7	20.0	1.78	Infection Risk
05/02	63.3	48.2	6.3	2.22	Infection Risk
05/03	58.1	45.2	11.0	0.57	
05/04	61.1	49.6	9.5	0.92	
05/05	53.5	47.3	10.8	0.39	
05/06	64.4	44.7	1.3	0.39	
05/07	71.8	49.7	16.5	1.32	Infection Risk
05/08	72.3	48.9	8.0	1.53	Infection Risk
05/09	70.0	57.0	14.8	1.95	Infection Risk
05/10	61.8	46.4		0.00	
05/11	61.3	39.8		0.00	
05/12	61.4	44.9		0.00	
05/13	66.7	41.7	1.5	0.06	
05/14	61.6	47.8	19.0	1.31	Infection Risk
05/15	75.5	55.0	9.3	1.89	Infection Risk
05/16	66.9	53.7	14.3	0.82	
05/17	62.3	43.9	6.0	1.48	Infection Risk
05/18	52.2	38.8		0.00	
05/19	68.6	36.4		0.00	
05/20	80.5	45.5		0.00	
05/21	80.6	59.7		0.00	

New Preston. CT Botrytis - Grape From 2009-05-01 To 2009-05-21

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
05/01	64.6	48.7	20.0	14.0	1.85	High Infection Risk
05/02	63.3	48.2	6.3		0.00	
05/03	58.1	45.2	11.0	7.3	0.00	
05/04	61.1	49.6	9.5	9.0	0.00	
05/05	53.5	47.3	12.0	1.3	0.00	
05/06	64.4	44.7	9.0	7.8	0.00	
05/07	71.8	49.7	16.5	12.8	1.10	High Infection Risk
05/08	72.3	48.9	8.0	3.5	0.00	
05/09	70.0	57.0	14.8	13.5	0.66	Moderate Infection Risk
05/10	61.8	46.4			0.00	
05/11	61.3	39.8			0.00	
05/12	61.4	44.9	3.0		0.00	
05/13	66.7	41.7	7.5		0.00	
05/14	61.6	47.8	19.5	4.8	1.56	High Infection Risk
05/15	75.5	55.0	9.3	9.3	0.00	
05/16	66.9	53.7	14.3	12.3	0.16	Low Infection Risk
05/17	62.3	43.9	7.5	6.0	0.00	
05/18	52.2	38.8			0.00	
05/19	68.6	36.4			0.00	
05/20	80.5	45.5	1.0		0.00	
05/21	80.6	59.7			0.00	

New Preston. CT Downy Mildew - Grape From 2009-05-01 To 2009-05-21

Date	High Temp	Deg Hrs<43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
05/01	64.6	0.0	0.04	20.0	10.0	0.0	1	Primary Infection
05/02	63.3	>min	0.13	6.3	0.0	0.0	0	
05/03	58.1	>min	0.16	11.0	7.0	0.0	1	Possible Infection
05/04	61.1	>min	0.03	9.5	8.5	0.0	1	Possible Infection

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05/05	53.5	>min	0.09	12.0	0.5	0.0	1	Possible	Infection
05/06	64.4	>min	0.55	9.0	5.8	0.0	1	Possible	Infection
05/07	71.8	>min	1.69	16.5	12.0	0.0	1	Possible	Infection
05/08	72.3	>min	0.07	8.0	2.5	0.0	1	Possible	Infection
05/09	70.0	>min	0.10	14.8	11.3	0.0	1	Possible	Infection
05/10	61.8	>min			0.0	0.0	0		
05/11	61.3	>min			0.0	0.0	0		
05/12	61.4	>min		3.0	0.0	0.0	0		
05/13	66.7	>min		6.5	0.0	0.0	0		
05/14	61.6	>min	0.59	19.5	2.5	0.0	1	Possible	Infection
05/15	75.5	>min		9.3	9.3	0.0	1	Possible	Infection
05/16	66.9	>min	0.11	14.3	11.5	0.0	1	Possible	Infection
05/17	62.3	>min	0.50	7.5	6.0	0.0	1	Possible	Infection
05/18	52.2	>min			0.0	0.0	0		
05/19	68.6	>min			0.0	0.0	0		
05/20	80.5	>min		1.0	0.0	0.0	0		
05/21	80.6	>min			0.0	0.0	0		

New Preston. CT Powdery Mildew - Grape From 2009-05-01 To 2009-05-21

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
05/01	64.6	58.1	0.0	0.0	18.0	Heavy	
05/02	63.3	55.2	0.0	0.0	5.5	Heavy	
05/03	58.1	51.2	0.0	0.0	10.5		
05/04	61.1	53.5	0.0	0.0	9.0		
05/05	53.5	50.5	0.0	0.0	9.3		
05/06	64.4	53.7	0.0	0.0	9.0		
05/07	71.8	58.3	1.0	0.0	16.3	Heavy	
05/08	72.3	60.9	2.0	0.0	7.5	Heavy	
05/09	70.0	62.1	0.3	0.0	13.3	Heavy	
05/10	61.8	54.9	0.0	0.0	0.0		
05/11	61.3	50.7	0.0	0.0	0.0		
05/12	61.4	52.6	0.0	0.0	3.0		
05/13	66.7	54.4	0.0	0.0	7.5		
05/14	61.6	54.6	0.0	0.0	19.3	Heavy	
05/15	75.5	63.4	7.0	0.0	8.3	Heavy	
05/16	66.9	60.2	0.0	0.0	14.3		
05/17	62.3	50.9	0.0	0.0	7.5	Heavy	
05/18	52.2	45.7	0.0	0.0	0.5		
05/19	68.6	53.4	0.0	0.0	2.8		
05/20	80.5	64.2	9.5	0.0	0.8		
05/21	80.6	66.2	3.8	0.0	0.0		

Leaf Wetness Sensor Parameters:

Base Temperature 0.0
 Upper Temperature 100.0
 Wetness Threshold 6.0

New Preston. CT Phomopsis Cane+Leaf Spot - Grape From 2009-05-01 To 2009-05-21

Date	Temp Mean	Wet Hours	Rain-Fall	Wet+Rain	Wet Temp	Disease Intensity Catawba	Disease Intensity Seyval
05/01	58.1	21.5	0.04	19.5	58.1	108 High	124 High
05/02	55.2	7.0	0.13	4.3	49.8	6 Light	13 Light
05/03	51.2	11.0	0.16	10.5	51.5	28 Light	40 Moderate
05/04	53.5	12.0	0.03	21.8	51.0	74 Moderate	81 Moderate
05/05	50.5	15.3	0.09	15.5	49.7	38 Moderate	48 Moderate
05/06	53.7	9.0	0.55	20.0	48.0	40 Moderate	48 Moderate
05/07	58.3	18.0	1.69	18.5	55.3	87 Moderate	100 High
05/08	60.9	10.5	0.07	3.3	59.2	9 Light	20 Light

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05/09	62.1	20.0	0.10	21.0	60.4	129	Hi gh	146	Hi gh
05/10	54.9	0.0	0.00	0.0	0.0	0		0	
05/11	50.7	0.0	0.00	0.0	0.0	0		0	
05/12	52.6	3.0	0.00	0.0	0.0	0		0	
05/13	54.4	7.5	0.00	0.0	0.0	0		0	
05/14	54.6	20.8	0.59	15.8	56.4	74	Moderate	91	Hi gh
05/15	63.4	11.8	0.00	19.8	56.0	100	Hi gh	112	Hi gh
05/16	60.2	15.0	0.11	1.5	61.1	3	Li ght	10	Li ght
05/17	50.9	7.8	0.50	9.3	57.5	36	Moderate	56	Moderate
05/18	45.7	0.0	0.00	0.0	0.0	0		0	
05/19	53.4	0.0	0.00	0.0	0.0	0		0	
05/20	64.2	1.0	0.00	0.0	0.0	0		0	
05/21	66.2	0.0	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