

Gri swol d_Ri sk_6_1_6_26_2009.txt

Gri swol d, CT 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	67.0	36.4	1.0	0.05	
06/02	78.7	51.4	9.3	0.81	
06/03	75.5	52.1	16.5	2.28	Infecti on Ri sk
06/04	72.9	52.3	13.8	3.02	Infecti on Ri sk
06/05	61.6	50.9	22.5	1.79	Infecti on Ri sk
06/06	76.1	53.8	12.8	2.37	Infecti on Ri sk
06/07	80.9	58.4	8.3	1.07	Infecti on Ri sk
06/08	79.1	56.7	5.0	0.76	
06/09	58.5	53.9	17.3	1.23	Infecti on Ri sk
06/10	65.3	55.0	19.3	3.04	Infecti on Ri sk
06/11	66.6	56.2	13.5	4.40	Infecti on Ri sk
06/12	76.6	60.0	17.8	6.95	Infecti on Ri sk
06/13	79.0	57.8	12.5	7.94	Infecti on Ri sk
06/14	71.7	50.7	14.3	1.35	Infecti on Ri sk
06/15	73.3	48.3	13.3	0.73	
06/16	71.6	46.7	10.0	0.94	
06/17	72.1	44.5	7.8	0.39	
06/18	68.3	47.5	20.5	2.35	Infecti on Ri sk
06/19	80.0	62.9	15.8	4.03	Infecti on Ri sk
06/20	73.5	60.5	15.3	1.82	Infecti on Ri sk
06/21	71.9	63.0	16.8	3.39	Infecti on Ri sk
06/22	66.9	62.6	21.8	6.50	Infecti on Ri sk
06/23	70.9	62.7	10.3	7.95	Infecti on Ri sk
06/24	69.6	61.8	14.3	10.04	Infecti on Ri sk
06/25	76.2	61.4	13.8	11.27	Infecti on Ri sk
06/26	66.0	60.7	8.0	1.71	Infecti on Ri sk

Gri swol d, CT 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	67.0	36.4	1.0		0.00	
06/02	78.7	51.4	9.3	2.0	0.00	
06/03	75.5	52.1	16.5	9.0	1.04	Hi gh Infecti on Ri sk
06/04	72.9	52.3	13.8	9.3	0.00	
06/05	61.6	50.9	22.5	15.0	2.00	Hi gh Infecti on Ri sk
06/06	76.1	53.8	12.8	10.8	0.00	
06/07	80.9	58.4	8.3	7.0	0.00	
06/08	79.1	56.7	5.0		0.00	
06/09	58.5	53.9	17.3	10.5	1.18	Hi gh Infecti on Ri sk
06/10	65.3	55.0	19.3	11.8	1.67	Hi gh Infecti on Ri sk
06/11	66.6	56.2	13.5	3.8	0.18	Low Infecti on Ri sk
06/12	76.6	60.0	17.8	16.8	1.62	Hi gh Infecti on Ri sk
06/13	79.0	57.8	12.5	10.3	0.09	Low Infecti on Ri sk
06/14	71.7	50.7	14.3	11.8	0.07	Low Infecti on Ri sk
06/15	73.3	48.3	13.3	10.8	0.00	
06/16	71.6	46.7	10.8	8.8	0.00	
06/17	72.1	44.5	12.3	9.5	0.00	
06/18	68.3	47.5	21.0	15.5	2.14	Hi gh Infecti on Ri sk
06/19	80.0	62.9	15.8	15.0	1.21	Hi gh Infecti on Ri sk
06/20	73.5	60.5	15.3	12.0	0.98	Moderate Infecti on Ri sk
06/21	71.9	63.0	16.8	7.8	1.44	Hi gh Infecti on Ri sk
06/22	66.9	62.6	21.8	1.8	2.63	Hi gh Infecti on Ri sk
06/23	70.9	62.7	10.3	0.5	0.07	Low Infecti on Ri sk
06/24	69.6	61.8	14.3	1.3	0.96	Moderate Infecti on Ri sk
06/25	76.2	61.4	13.8	11.0	0.60	Moderate Infecti on Ri sk
06/26	66.0	60.7	8.0	7.8	0.00	

Griswold_Risk_6_1_6_26_2009.txt

Griswold, 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	67.0	0.0		1.0	0.0	0.0	0	Primary Infection
06/02	78.7	>min		9.3	1.3	0.0	1	Possible Infection
06/03	75.5	>min	0.01	16.5	6.5	0.0	1	Possible Infection
06/04	72.9	>min	0.26	13.8	7.5	0.0	1	Possible Infection
06/05	61.6	>min	0.56	22.5	13.8	0.0	1	Possible Infection
06/06	76.1	>min	0.01	12.8	9.8	0.0	1	Possible Infection
06/07	80.9	>min		8.3	7.0	0.0	1	Possible Infection
06/08	79.1	>min		5.0	0.0	0.0	0	
06/09	58.5	>min	0.58	17.3	5.5	0.0	1	Possible Infection
06/10	65.3	>min	0.40	19.3	11.5	0.0	1	Possible Infection
06/11	66.6	>min	0.02	13.5	3.5	0.0	1	Possible Infection
06/12	76.6	>min	0.47	17.8	16.3	4.8	3	High Risk of Infection
06/13	79.0	>min	0.01	12.5	8.0	0.0	1	Possible Infection
06/14	71.7	>min	0.33	14.3	10.5	0.0	1	Possible Infection
06/15	73.3	>min	0.39	13.3	9.8	0.0	1	Possible Infection
06/16	71.6	>min		10.8	7.3	0.0	1	Possible Infection
06/17	72.1	>min		12.3	8.5	0.0	1	Possible Infection
06/18	68.3	>min	0.75	21.0	11.0	0.0	1	Possible Infection
06/19	80.0	>min	0.43	15.8	14.0	1.0	3	High Risk of Infection
06/20	73.5	>min		15.3	11.3	0.3	1	Possible Infection
06/21	71.9	>min	0.01	16.8	6.3	0.0	1	Possible Infection
06/22	66.9	>min		21.8	0.3	0.0	0	
06/23	70.9	>min		10.3	0.0	0.0	0	
06/24	69.6	>min		14.3	0.8	0.0	1	Possible Infection
06/25	76.2	>min		13.8	10.0	0.0	1	Possible Infection
06/26	66.0	>min		8.0	4.8	0.3	1	Possible Infection

Griswold, 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	67.0	54.2	0.0	0.0	1.5		
06/02	78.7	63.0	5.5	0.0	9.3		
06/03	75.5	61.3	4.5	0.0	16.3	Heavy	
06/04	72.9	59.5	2.5	0.0	13.8	Heavy	
06/05	61.6	55.3	0.0	0.0	22.5	Heavy	
06/06	76.1	60.9	4.8	0.0	12.3	Heavy	
06/07	80.9	68.7	10.5	0.0	8.3		
06/08	79.1	65.5	7.8	0.0	4.8		
06/09	58.5	55.8	0.0	0.0	17.3	Heavy	
06/10	65.3	59.5	0.0	0.0	18.3	Heavy	
06/11	66.6	60.9	0.0	0.0	12.3	Heavy	
06/12	76.6	66.6	6.8	0.0	17.5	Heavy	
06/13	79.0	65.6	6.0	0.0	12.5	Heavy	
06/14	71.7	61.7	1.3	0.0	14.3	Heavy	
06/15	73.3	59.5	0.5	0.0	13.0		
06/16	71.6	59.2	0.5	0.0	10.8		
06/17	72.1	57.9	2.0	0.0	12.3		
06/18	68.3	60.0	0.0	0.0	21.0	Heavy	
06/19	80.0	68.6	8.5	0.0	15.5	Heavy	
06/20	73.5	66.0	5.3	0.0	15.0	Heavy	
06/21	71.9	65.5	1.8	0.0	14.3	Heavy	
06/22	66.9	64.2	0.0	0.0	20.3	Heavy	
06/23	70.9	65.9	0.8	0.0	8.0	Heavy	
06/24	69.6	65.4	0.0	0.0	12.0	Heavy	
06/25	76.2	66.9	8.0	0.0	13.0	Heavy	

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06/26 66.0 63.7 0.0 0.0 8.3

Leaf Wetness Sensor Parameters:

Base Temperature 0.0
 Upper Temperature 100.0
 Wetness Threshold 6.0

Gri swol d, CT Phomopsi s Cane+Leaf Spot - Grape From 2009-06-01 To 2009-06-26

Date	Temp Mean	Wet Hours	Rai n-Fall	Wet+ Rain	Wet Temp	Di sease Intensi ty Catawba	Seyval
06/01	54.2	1.0	0.00	0.0	0.0	0	0
06/02	63.0	9.8	0.00	0.0	0.0	0	0
06/03	61.3	17.0	0.01	3.5	56.3	9 Li ght	19 Li ght
06/04	59.5	14.3	0.26	14.0	55.5	59 Moderate	76 Moderate
06/05	55.3	23.3	0.56	12.3	55.7	49 Moderate	67 Moderate
06/06	60.9	16.3	0.01	21.5	55.3	108 Hi gh	118 Hi gh
06/07	68.7	9.0	0.00	0.0	0.0	0	0
06/08	65.5	5.3	0.00	0.0	0.0	0	0
06/09	55.8	18.8	0.58	15.5	55.4	68 Moderate	84 Moderate
06/10	59.5	24.0	0.40	39.5	57.9	294 Hi gh	255 Hi gh
06/11	60.9	21.8	0.02	51.8	58.0	436 Hi gh	340 Hi gh
06/12	66.6	24.0	0.47	25.3	66.2	172 Hi gh	196 Hi gh
06/13	65.6	20.0	0.01	41.8	65.6	355 Hi gh	329 Hi gh
06/14	61.7	17.0	0.33	13.8	59.5	69 Moderate	91 Hi gh
06/15	59.5	15.0	0.39	4.5	58.3	13 Li ght	27 Li ght
06/16	59.2	13.8	0.00	13.0	56.5	56 Moderate	75 Moderate
06/17	57.9	12.5	0.00	0.0	0.0	0	0
06/18	60.0	21.8	0.75	9.8	63.2	45 Moderate	70 Moderate
06/19	68.6	23.3	0.43	27.8	66.5	195 Hi gh	217 Hi gh
06/20	66.0	20.8	0.00	0.0	0.0	0	0
06/21	65.5	24.0	0.01	21.0	65.8	133 Hi gh	161 Hi gh
06/22	64.2	24.0	0.00	45.0	64.9	397 Hi gh	354 Hi gh
06/23	65.9	24.0	0.00	69.0	65.3	730 Hi gh	554 Hi gh
06/24	65.4	24.0	0.00	93.0	65.3	1119 Hi gh	756 Hi gh
06/25	66.9	24.0	0.00	117.0	65.6	1549 Hi gh	963 Hi gh
06/26	63.7	8.0	0.00	125.3	65.5	1709 Hi gh	1032 Hi gh

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