

**Morrisville State College - School of Agriculture and Natural Resources**  
**Weather Data from the Fully-automated Weather Station at the Free-stall Dairy Complex**  
**Daily Summaries for the Month of May 2009**

8/5/2009 11:34

Date	Day of Week	T <sub>avg.</sub> (°F)	T <sub>max.</sub> (°F)	Time of T <sub>max.</sub>	T <sub>min.</sub> (°F)	Time of T <sub>min.</sub>	RH <sub>avg.</sub> (%)	RH <sub>max.</sub> (%)	Time of RH <sub>max.</sub>	RH <sub>min.</sub> (%)	Time of RH <sub>min.</sub>	Wind <sub>avg.</sub> (mph)	Wind <sub>max.</sub> (mph)	Time of Wind <sub>max.</sub>	Solar Rad <sub>avg.</sub> (W/m <sup>2</sup> )	RainFall (in)	GDD (Base T=50°F)	Cum. GDD	ET <sub>0</sub> (in)
May 1, 2009	Friday	55.1	69.9	3:11 PM	40.0	11:50 PM						9.1	28.9	12:25 AM	121.70	0.56	5.13	5	0.11
May 2, 2009	Saturday	45.5	55.4	4:17 PM	36.8	11:37 PM						6.2	18.2	1:21 PM	284.10	0.06	0.00	5	0.15
May 3, 2009	Sunday	48.1	60.8	2:15 PM	34.6	4:39 AM						4.2	16.0	4:03 PM	179.60	0.00	0.00	5	0.12
May 4, 2009	Monday	51.0	59.9	2:25 PM	39.9	5:34 AM						4.0	15.3	12:08 AM	176.80	0.00	0.95	6	0.12
May 5, 2009	Tuesday	47.7	56.1	12:20 PM	36.8	2:39 AM	57.4	96.0	11:59 PM	18.8	1:24 AM	6.3	19.6	12:29 PM	83.50	0.03	0.00	6	0.06
May 6, 2009	Wednesday	52.7	61.8	1:06 PM	45.0	3:53 AM	78.8	100.0	1:49 AM	57.6	2:59 PM	5.5	16.4	1:41 PM	189.40	0.21	2.72	9	0.09
May 7, 2009	Thursday	53.0	56.2	8:38 AM	47.9	10:50 PM	89.2	100.0	9:21 PM	78.4	2:02 PM	6.3	25.0	12:08 PM	91.70	0.11	2.95	12	0.04
May 8, 2009	Friday	57.5	71.8	3:01 PM	47.9	5:04 AM	65.8	100.0	12:16 AM	31.5	3:01 PM	5.4	25.3	4:00 PM	226.00	0.15	7.51	19	0.12
May 9, 2009	Saturday	58.5	73.7	2:21 PM	44.7	11:59 PM	71.1	100.0	4:26 AM	42.3	2:23 PM	9.5	38.2	8:07 PM	209.90	0.37	8.53	28	0.12
May 10, 2009	Sunday	42.6	46.6	4:49 PM	38.8	9:28 PM	77.7	97.9	1:27 AM	57.4	4:17 PM	9.2	29.3	9:02 AM	92.50	0.03	0.00	28	0.04
May 11, 2009	Monday	43.3	54.4	2:56 PM	32.7	11:43 PM	63.9	95.4	3:17 AM	32.4	6:30 PM	5.8	18.2	11:58 AM	317.90	0.00	0.00	28	0.13
May 12, 2009	Tuesday	43.7	57.6	3:19 PM	28.4	4:32 AM	60.6	100.0	2:09 AM	21.2	12:02 PM	5.2	18.9	1:14 PM	306.20	0.00	0.00	28	0.14
May 13, 2009	Wednesday	51.5	66.8	3:23 PM	29.0	4:31 AM	60.0	100.0	3:12 AM	19.9	2:38 PM	7.5	25.0	3:58 PM	318.40	0.00	1.53	29	0.18
May 14, 2009	Thursday	53.7	60.9	5:22 PM	46.7	5:42 AM	77.4	100.0	10:46 PM	54.8	12:00 AM	11.1	38.2	9:35 AM	72.20	0.36	3.74	33	0.03
May 15, 2009	Friday	53.6	64.7	3:12 PM	39.6	4:57 AM	69.2	100.0	12:00 AM	38.4	3:01 PM	4.6	17.5	1:44 PM	301.20	0.00	3.64	37	0.15
May 16, 2009	Saturday	59.5	74.7	12:53 PM	45.4	2:57 AM	79.8	98.4	4:53 PM	61.3	12:36 PM	8.6	30.7	11:29 AM	146.60	0.74	9.47	46	0.08
May 17, 2009	Sunday	41.6	47.7	4:21 PM	35.6	11:37 PM	61.8	91.2	12:51 AM	32.4	5:31 PM	10.1	31.8	2:08 PM	291.80	0.01	0.00	46	0.11
May 18, 2009	Monday	40.3	48.5	4:09 PM	29.1	11:57 PM	66.7	99.6	11:35 PM	33.7	3:15 PM	5.9	21.4	3:10 PM	222.60	0.00	0.00	46	0.09
May 19, 2009	Tuesday	48.7	68.1	5:01 PM	25.1	4:27 AM	55.6	100.0	12:05 AM	11.3	3:15 PM	5.2	20.0	2:56 PM	328.00	0.00	0.00	46	0.18
May 20, 2009	Wednesday	61.6	77.9	3:10 PM	37.7	4:47 AM	58.8	96.9	4:51 AM	20.6	12:18 PM	5.4	18.5	11:40 PM	313.60	0.00	11.59	58	0.22
May 21, 2009	Thursday	69.4	83.0	3:00 PM	53.2	11:58 PM	46.1	77.8	11:57 PM	14.4	12:58 PM	8.5	23.2	3:39 AM	322.40	0.00	19.44	77	0.26
May 22, 2009	Friday	62.5	74.0	11:19 AM	50.2	11:51 PM	69.7	95.5	11:53 PM	43.9	10:56 AM	5.6	18.2	1:46 PM	284.90	0.00	12.46	90	0.17
May 23, 2009	Saturday	60.5	75.3	12:55 PM	45.1	4:30 AM	72.3	100.0	4:33 AM	44.6	12:56 PM	4.2	14.2	12:52 PM	229.20	0.19	10.55	100	0.13
May 24, 2009	Sunday	59.2	69.8	2:51 PM	41.9	11:54 PM	69.0	100.0	12:00 AM	38.0	7:20 PM	5.1	17.8	3:32 PM	231.80	0.06	9.23	109	0.13
May 25, 2009	Monday	52.4	64.0	1:20 PM	37.4	3:27 AM	63.0	100.0	3:09 AM	26.0	10:19 AM	5.9	23.2	3:31 PM	336.40	0.00	2.39	112	0.18
May 26, 2009	Tuesday	48.4	62.7	3:38 PM	31.2	4:44 AM	67.9	99.8	11:29 PM	36.0	2:14 PM	6.9	19.6	5:32 PM	211.70	0.68	0.00	112	0.11
May 27, 2009	Wednesday	54.1	62.3	3:20 PM	46.6	2:15 AM	89.8	100.0	5:32 AM	79.5	3:20 PM	8.2	24.2	12:35 PM	114.50	1.16	4.14	116	0.05
May 28, 2009	Thursday	62.0	67.4	2:45 PM	57.7	2:58 AM	91.7	99.3	5:36 AM	84.1	4:37 PM	7.7	24.2	10:32 PM	100.70	0.48	12.04	128	0.05
May 29, 2009	Friday	56.4	62.8	12:03 PM	45.2	11:58 PM	88.5	100.0	9:22 PM	76.9	1:42 PM	6.0	16.7	12:47 AM	88.40	0.43	6.39	134	0.04
May 30, 2009	Saturday	54.2	62.3	4:06 PM	44.5	9:40 PM	63.9	100.0	12:00 AM	27.7	1:35 PM	6.5	22.1	1:39 PM	285.90	0.00	4.19	139	0.14
May 31, 2009	Sunday	48.3	56.3	11:41 AM	32.5	11:51 PM	64.1	95.8	6:12 AM	32.4	12:44 PM	8.6	32.1	12:31 PM	290.30	0.02	0.00	139	0.12
<b>Average (if applicable)</b>		<b>52.8</b>					<b>69.6</b>					<b>6.7</b>	<b>22.8</b>		<b>218.38</b>	<b>0.18</b>	<b>4.47</b>		<b>0.12</b>
<b>Minimum (if applicable)</b>		<b>40.3</b>	<b>46.6</b>	<b>4:49 PM</b>	<b>25.1</b>	<b>4:27 AM</b>	<b>46.1</b>	<b>77.8</b>	<b>11:57 PM</b>	<b>11.3</b>	<b>3:15 PM</b>	<b>4.0</b>	<b>14.2</b>	<b>12:52 PM</b>	<b>72.20</b>				
Date When Minimum Occurred		18-May	10-May		19-May		21-May	21-May		19-May		4-May	23-May		14-May				
<b>Maximum (if applicable)</b>		<b>69.4</b>	<b>83.0</b>	<b>3:00 PM</b>	<b>57.7</b>	<b>2:58 AM</b>	<b>91.7</b>	<b>100.0</b>	<b>1:49 AM</b>	<b>84.1</b>	<b>4:37 PM</b>	<b>11.1</b>	<b>38.2</b>	<b>8:07 PM</b>	<b>336.40</b>	<b>1.16</b>	<b>19.44</b>		<b>0.26</b>
Date When Maximum Occurred		21-May	21-May		28-May		28-May	6-May		28-May		14-May	9-May		25-May	27-May	21-May		21-May
<b>Total (if applicable)</b>																<b>5.65</b>	<b>138.6</b>		<b>3.66</b>