

**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 July 2008**

8/4/2008 8:05

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)
July 1, 2008	Tuesday	62.0	69.9	5:12 PM	50.3	11:55 PM	76.0	93.8	12:22 AM	58.2	5:05 PM	4.4	13.5	10:38 AM	178.80	0.00	11.99	12	0.10
July 2, 2008	Wednesday	63.7	76.4	3:53 PM	45.7	4:33 AM	64.5	94.3	5:03 AM	34.7	4:01 PM	4.8	17.1	12:57 PM	317.50	0.00	13.66	26	0.20
July 3, 2008	Thursday	63.2	69.8	10:14 AM	55.2	11:59 PM	77.7	94.8	11:56 PM	60.5	12:00 AM	5.8	22.8	9:13 AM	97.60	0.35	13.23	39	0.06
July 4, 2008	Friday	60.7	71.6	5:25 PM	52.0	12:00 AM	67.1	96.7	6:11 AM	37.5	5:38 PM	3.6	14.9	11:45 AM	340.40	0.00	10.73	50	0.17
July 5, 2008	Saturday	60.0	71.5	3:11 PM	48.9	4:42 AM	74.7	95.9	6:01 AM	53.6	3:21 PM	3.4	10.7	3:17 PM	227.70	0.00	10.03	60	0.12
July 6, 2008	Sunday	65.9	80.9	1:10 PM	48.7	4:23 AM	65.1	95.7	4:37 AM	34.5	4:17 PM	2.8	11.4	1:12 PM	296.20	0.00	15.86	75	0.18
July 7, 2008	Monday	72.7	85.5	1:39 PM	59.4	12:06 AM	68.0	95.3	11:58 PM	40.7	1:24 PM	3.3	18.2	9:16 PM	265.10	0.23	22.70	98	0.17
July 8, 2008	Tuesday	75.2	84.1	1:11 PM	64.4	12:23 AM	69.4	96.2	1:16 AM	42.6	1:25 PM	5.5	17.8	1:31 PM	280.50	0.00	25.20	123	0.19
July 9, 2008	Wednesday	70.9	77.9	12:49 PM	62.0	11:58 PM	78.1	91.1	4:58 AM	65.1	12:46 PM	6.3	21.4	1:54 PM	141.60	0.03	20.93	144	0.09
July 10, 2008	Thursday	62.0	70.1	3:25 PM	51.4	11:50 PM	70.8	93.0	11:59 PM	48.6	6:07 PM	6.6	23.9	10:28 AM	307.40	0.00	11.97	156	0.16
July 11, 2008	Friday	59.6	66.5	5:06 PM	49.7	3:14 AM	81.4	95.8	6:30 AM	67.0	9:35 AM	2.8	12.8	9:35 AM	82.40	0.01	9.65	166	0.05
July 12, 2008	Saturday	71.2	85.2	2:11 PM	54.6	5:08 AM	69.9	96.6	5:22 AM	43.1	1:40 PM	4.8	18.2	11:54 PM	284.50	0.00	21.22	187	0.19
July 13, 2008	Sunday	68.3	73.7	10:08 AM	63.4	11:56 PM	84.2	95.6	9:58 PM	72.7	10:11 AM	6.9	26.0	10:16 AM	107.80	1.09	18.32	205	0.06
July 14, 2008	Monday	64.6	74.0	2:46 PM	53.6	12:00 AM	68.7	94.7	12:00 AM	42.7	2:44 PM	5.5	19.6	4:25 PM	274.10	0.00	14.56	220	0.16
July 15, 2008	Tuesday	62.3	74.6	3:55 PM	49.1	4:29 AM	66.1	96.3	5:25 AM	35.9	2:54 PM	4.5	16.0	12:07 PM	322.60	0.00	12.28	232	0.18
July 16, 2008	Wednesday	66.4	83.1	2:04 PM	51.1	3:11 AM	67.0	96.7	6:15 AM	37.2	10:43 AM	4.5	21.0	5:56 PM	261.30	0.15	16.36	249	0.17
July 17, 2008	Thursday	68.9	82.4	3:46 PM	55.1	5:20 AM	70.9	96.7	6:17 AM	45.1	3:50 PM	4.1	13.9	4:20 PM	220.70	0.00	18.90	268	0.13
July 18, 2008	Friday	73.6	84.6	2:48 PM	61.8	4:56 AM	71.5	96.3	5:09 AM	46.7	3:20 PM	4.6	18.9	12:38 PM	264.20	0.00	23.63	291	0.17
July 19, 2008	Saturday	72.5	83.4	1:29 PM	62.7	4:42 AM	71.8	95.5	11:55 PM	48.1	1:55 PM	4.5	25.7	7:52 PM	219.00	0.16	22.54	314	0.15
July 20, 2008	Sunday	68.6	81.6	1:36 PM	64.3	4:12 AM	79.6	97.6	7:03 AM	61.6	12:52 PM	4.4	40.0	3:11 PM	129.70	0.84	18.61	332	0.08
July 21, 2008	Monday	68.3	75.8	12:50 PM	62.2	11:42 PM	76.0	95.4	11:53 PM	56.5	12:49 PM	4.1	19.2	1:14 PM	213.80	0.27	18.27	351	0.12
July 22, 2008	Tuesday	65.1	75.5	10:28 AM	56.7	4:34 AM	80.7	97.8	8:09 AM	63.7	5:11 PM	3.1	19.6	12:46 PM	164.00	0.40	15.08	366	0.08
July 23, 2008	Wednesday	64.5	68.4	5:33 PM	60.2	12:00 AM	90.5	97.9	2:37 AM	83.0	5:41 PM	5.0	20.3	10:47 AM	83.50	0.08	14.45	380	0.04
July 24, 2008	Thursday	63.9	76.3	12:28 PM	56.6	11:50 PM	74.2	97.0	5:59 AM	51.3	12:21 PM	5.2	23.9	1:05 PM	202.40	0.05	13.88	394	0.11
July 25, 2008	Friday	65.7	77.8	3:59 PM	53.1	4:01 AM	64.1	94.0	4:11 AM	34.2	3:14 PM	4.7	18.5	11:35 AM	300.50	0.00	15.68	410	0.19
July 26, 2008	Saturday	67.3	80.9	12:33 PM	56.0	4:28 AM	67.7	93.2	11:49 PM	42.2	11:49 AM	5.4	24.6	9:13 PM	203.50	0.88	17.33	427	0.13
July 27, 2008	Sunday	65.6	74.3	1:44 PM	57.3	5:25 AM	67.3	97.6	7:42 AM	37.1	2:18 PM	3.9	17.8	12:27 PM	261.40	0.01	15.61	443	0.15
July 28, 2008	Monday	66.1	76.1	1:28 PM	57.7	5:43 AM	73.0	96.0	6:39 AM	50.1	1:38 PM	3.7	17.1	3:40 PM	195.10	0.14	16.06	459	0.12
July 29, 2008	Tuesday	65.3	75.3	1:53 PM	54.2	11:57 PM	74.2	97.4	5:05 AM	51.1	2:17 PM	4.8	16.7	10:49 AM	286.60	0.00	15.28	474	0.16
July 30, 2008	Wednesday	66.3	78.8	2:29 PM	49.5	5:08 AM	76.3	96.9	6:04 AM	55.7	11:45 AM	3.5	13.9	2:39 PM	198.80	0.00	16.33	490	0.12
July 31, 2008	Thursday	68.5	76.2	11:59 AM	59.8	11:43 PM	74.9	94.5	11:59 PM	55.3	12:12 PM	6.0	27.5	3:22 PM	237.60	0.12	18.54	509	0.13
<b>Average (if applicable)</b>		<b>66.4</b>	<b>66.5</b>	<b>5:06 PM</b>	<b>45.7</b>	<b>4:33 AM</b>	<b>72.9</b>	<b>91.1</b>	<b>4:58 AM</b>	<b>34.2</b>	<b>3:14 PM</b>	<b>2.8</b>	<b>10.7</b>	<b>3:17 PM</b>	<b>82.40</b>	<b>0.16</b>	<b>16.42</b>		<b>0.13</b>
<b>Minimum (if applicable)</b>		<b>59.6</b>	<b>66.5</b>	<b>5:06 PM</b>	<b>45.7</b>	<b>4:33 AM</b>	<b>64.1</b>	<b>91.1</b>	<b>4:58 AM</b>	<b>34.2</b>	<b>3:14 PM</b>	<b>2.8</b>	<b>10.7</b>	<b>3:17 PM</b>	<b>82.40</b>				
Date When Minimum Occurred		11-Jul	11-Jul		2-Jul		25-Jul	9-Jul		25-Jul		11-Jul	5-Jul		11-Jul				
<b>Maximum (if applicable)</b>		<b>75.2</b>	<b>85.5</b>	<b>1:39 PM</b>	<b>64.4</b>	<b>12:23 AM</b>	<b>90.5</b>	<b>97.9</b>	<b>2:37 AM</b>	<b>83.0</b>	<b>5:41 PM</b>	<b>6.9</b>	<b>40.0</b>	<b>3:11 PM</b>	<b>340.40</b>	<b>1.09</b>	<b>25.20</b>		<b>0.20</b>
Date When Maximum Occurred		8-Jul	7-Jul		8-Jul		23-Jul	23-Jul		23-Jul		13-Jul	20-Jul		4-Jul	13-Jul	8-Jul		2-Jul
<b>Total (if applicable)</b>																<b>4.81</b>	<b>508.9</b>		<b>4.15</b>