

**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 August 2009**

9/3/2009 16:32

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)
August 1, 2009	Saturday	65.1	78.1	2:59 PM	51.2	4:45 AM	70.9	100.0	12:06 AM	41.7	12:26 PM	4.0	16.4	3:53 PM	295.70	0.00	15.10	15	0.17
August 2, 2009	Sunday	65.8	71.7	3:33 PM	60.4	11:59 PM	86.9	100.0	12:06 PM	73.8	3:40 PM	4.4	18.5	10:53 AM	84.30	0.77	15.77	31	0.04
August 3, 2009	Monday	63.4	75.4	2:23 PM	50.6	5:18 AM	67.5	100.0	6:05 AM	35.0	3:23 PM	3.9	14.9	11:32 AM	321.60	0.00	13.41	44	0.18
August 4, 2009	Tuesday	68.4	80.6	2:43 PM	54.1	4:00 AM	71.8	100.0	4:18 AM	43.7	2:33 PM	6.7	24.6	4:34 PM	305.90	0.00	18.43	63	0.19
August 5, 2009	Wednesday	62.2	68.1	4:28 PM	49.0	11:34 PM	74.2	100.0	4:15 AM	48.4	2:58 PM	5.6	19.2	12:14 PM	252.30	0.19	12.24	75	0.13
August 6, 2009	Thursday	57.9	69.2	2:40 PM	45.1	5:02 AM	71.8	100.0	7:11 AM	43.6	2:35 PM	4.9	17.8	12:31 PM	221.40	0.00	7.87	83	0.12
August 7, 2009	Friday	58.3	68.0	2:13 PM	47.4	11:43 PM	72.6	100.0	4:27 AM	45.3	2:50 PM	6.7	20.7	3:30 PM	273.40	0.00	8.33	91	0.14
August 8, 2009	Saturday	58.5	71.0	1:31 PM	42.7	5:04 AM	69.4	100.0	5:05 AM	38.8	11:08 AM	3.4	14.6	9:00 AM	235.10	0.00	8.48	100	0.13
August 9, 2009	Sunday	66.5	73.7	5:30 PM	61.0	4:55 AM	86.8	100.0	2:30 PM	73.5	12:22 AM	6.2	20.3	2:26 PM	98.50	0.41	16.52	116	0.05
August 10, 2009	Monday	70.9	81.8	2:13 PM	63.5	4:08 AM	80.8	100.0	9:19 PM	61.7	1:56 PM	5.0	19.6	9:11 AM	212.50	0.38	20.93	137	0.12
August 11, 2009	Tuesday	68.5	76.4	3:28 PM	59.1	12:00 AM	77.6	100.0	11:57 PM	55.1	2:46 PM	5.4	17.5	10:52 AM	241.30	0.00	18.45	156	0.13
August 12, 2009	Wednesday	66.9	77.0	2:42 PM	57.4	2:46 AM	77.3	100.0	12:13 AM	54.6	11:57 AM	3.4	12.1	2:23 PM	243.10	0.02	16.87	172	0.14
August 13, 2009	Thursday	67.9	78.3	1:57 PM	58.2	5:15 AM	76.2	100.0	1:37 AM	52.4	1:27 PM	3.8	13.5	12:09 PM	271.90	0.00	17.89	190	0.15
August 14, 2009	Friday	67.5	80.4	4:01 PM	55.1	5:15 AM	75.5	100.0	4:30 AM	50.9	11:36 AM	3.3	11.4	11:55 AM	292.70	0.00	17.51	208	0.17
August 15, 2009	Saturday	69.5	83.2	2:32 PM	55.2	5:28 AM	73.7	100.0	4:14 AM	47.5	1:40 PM	3.5	14.6	1:05 PM	262.80	0.00	19.51	227	0.15
August 16, 2009	Sunday	71.6	84.5	2:28 PM	59.5	3:58 AM	71.9	100.0	11:29 PM	43.8	2:23 PM	3.7	13.9	1:52 PM	273.40	0.00	21.62	249	0.17
August 17, 2009	Monday	73.0	86.5	1:04 PM	58.2	5:10 AM	72.4	100.0	12:03 AM	44.9	1:07 PM	3.7	15.7	12:05 PM	303.80	0.00	22.99	272	0.19
August 18, 2009	Tuesday	72.2	83.9	1:03 PM	63.8	11:59 PM	74.9	100.0	11:59 PM	49.8	3:00 PM	6.9	32.8	4:29 PM	257.80	0.69	22.19	294	0.16
August 19, 2009	Wednesday	67.7	77.3	3:07 PM	57.9	11:30 PM	71.6	100.0	2:17 AM	43.2	2:57 PM	4.5	19.2	12:37 PM	224.40	0.00	17.75	312	0.13
August 20, 2009	Thursday	70.9	82.2	1:45 PM	56.5	2:14 AM	79.5	100.0	12:59 AM	59.0	1:52 PM	6.7	23.2	1:53 PM	259.10	0.00	20.86	333	0.15
August 21, 2009	Friday	70.1	76.0	2:59 PM	64.0	11:49 PM	84.5	100.0	9:54 PM	69.0	3:09 PM	4.9	22.1	4:57 PM	92.40	0.08	20.07	353	0.06
August 22, 2009	Saturday	68.9	78.4	12:39 PM	62.6	2:47 AM	82.9	100.0	2:16 AM	65.8	12:42 PM	3.7	11.0	9:25 AM	158.60	0.01	18.86	372	0.09
August 23, 2009	Sunday	66.2	73.7	12:08 PM	62.0	5:35 PM	84.3	100.0	9:06 PM	68.6	12:05 PM	5.1	17.1	3:48 PM	104.10	0.15	16.18	388	0.06
August 24, 2009	Monday	62.9	69.0	3:55 PM	54.5	11:53 PM	86.3	100.0	11:11 PM	72.6	4:35 PM	4.5	16.4	2:14 PM	122.50	0.03	12.94	401	0.06
August 25, 2009	Tuesday	62.6	76.2	2:56 PM	49.6	6:01 AM	75.7	100.0	12:01 AM	51.5	2:54 PM	3.7	14.2	12:17 PM	221.60	0.00	12.60	413	0.12
August 26, 2009	Wednesday	61.9	70.8	12:04 PM	52.7	11:59 PM	87.8	100.0	12:42 AM	75.5	8:22 AM	5.2	22.1	11:49 AM	103.20	0.05	11.86	425	0.05
August 27, 2009	Thursday	55.2	65.5	1:41 PM	44.6	5:35 AM	69.4	100.0	5:01 AM	38.9	1:17 PM	4.3	14.9	11:03 AM	260.60	0.00	5.18	430	0.13
August 28, 2009	Friday	57.8	69.7	2:02 PM	49.8	5:46 AM	75.2	100.0	7:13 PM	50.3	11:51 AM	4.6	13.5	11:33 AM	184.70	0.92	7.76	438	0.10
August 29, 2009	Saturday	62.9	73.7	1:52 PM	55.4	11:59 PM	88.0	100.0	5:53 AM	75.9	1:52 PM	5.6	18.5	3:14 PM	90.40	0.12	12.91	451	0.04
August 30, 2009	Sunday	58.0	67.9	1:00 PM	49.6	6:01 AM	77.8	100.0	7:23 AM	55.5	1:13 PM	6.8	21.7	4:45 PM	193.80	0.00	7.99	459	0.09
August 31, 2009	Monday	52.7	61.1	3:21 PM	42.6	11:30 PM	72.9	100.0	6:34 AM	45.8	3:33 PM	5.7	21.0	10:30 AM	222.10	0.01	2.72	462	0.10
<b>Average (if applicable)</b>		<b>64.9</b>			<b>42.6</b>	<b>11:30 PM</b>	<b>77.0</b>			<b>35.0</b>	<b>3:23 PM</b>	<b>4.8</b>	<b>17.8</b>		<b>215.65</b>	<b>0.12</b>	<b>14.90</b>		<b>0.12</b>
<b>Minimum (if applicable)</b>		<b>52.7</b>	<b>61.1</b>	<b>3:21 PM</b>	<b>42.6</b>	<b>11:30 PM</b>	<b>67.5</b>	<b>100.0</b>	<b>12:06 AM</b>	<b>35.0</b>	<b>3:23 PM</b>	<b>3.3</b>	<b>11.0</b>	<b>9:25 AM</b>	<b>84.30</b>				
Date When Minimum Occurred		31-Aug	31-Aug		31-Aug		3-Aug	1-Aug	3-Aug			14-Aug	22-Aug		2-Aug				
<b>Maximum (if applicable)</b>		<b>73.0</b>	<b>86.5</b>	<b>1:04 PM</b>	<b>64.0</b>	<b>11:49 PM</b>	<b>88.0</b>	<b>100.0</b>	<b>12:06 AM</b>	<b>75.9</b>	<b>1:52 PM</b>	<b>6.9</b>	<b>32.8</b>	<b>4:29 PM</b>	<b>321.60</b>	<b>0.92</b>	<b>22.99</b>		<b>0.19</b>
Date When Maximum Occurred		17-Aug	17-Aug		21-Aug		29-Aug	1-Aug	29-Aug			18-Aug	18-Aug		3-Aug	28-Aug	17-Aug		4-Aug
<b>Total (if applicable)</b>																<b>3.83</b>	<b>461.8</b>		<b>3.72</b>