

**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 September 2008**

10/6/2008 17:06

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)
September 1, 2008	Monday	60.9	74.1	3:18 PM	46.2	5:36 AM	70.1	95.6	6:53 AM	44.5	11:28 AM	4.1	16.7	10:53 AM	257.10	0.00	10.87	11	0.14
September 2, 2008	Tuesday	64.5	78.5	2:39 PM	49.2	5:37 AM	70.9	94.9	6:09 AM	46.9	2:50 PM	3.8	13.2	12:33 PM	249.30	0.00	14.53	25	0.15
September 3, 2008	Wednesday	64.4	78.5	2:18 PM	52.4	5:14 AM	70.1	94.2	5:28 AM	46.0	4:15 PM	3.7	13.5	11:24 AM	238.30	0.00	14.36	40	0.14
September 4, 2008	Thursday	67.1	82.0	3:04 PM	54.2	12:23 AM	72.7	96.2	7:13 AM	49.3	1:58 PM	2.9	12.4	11:42 AM	227.20	0.00	17.12	57	0.13
September 5, 2008	Friday	73.1	86.2	1:40 PM	61.7	3:26 AM	61.1	95.3	12:07 AM	26.8	3:31 PM	6.5	27.1	12:50 PM	235.00	0.00	23.09	80	0.19
September 6, 2008	Saturday	65.1	70.3	3:23 PM	60.2	2:52 AM	80.2	96.2	7:06 PM	64.1	12:01 AM	4.7	17.1	5:26 PM	48.55	0.19	15.08	95	0.03
September 7, 2008	Sunday	59.1	67.7	1:11 PM	53.0	10:45 PM	74.9	96.0	1:06 AM	53.7	1:20 PM	5.5	19.2	12:30 AM	186.50	0.01	9.13	104	0.10
September 8, 2008	Monday	59.1	71.5	3:30 PM	46.4	6:05 AM	69.2	96.3	7:56 AM	42.1	3:41 PM	4.4	17.5	1:06 PM	198.40	0.00	9.11	113	0.11
September 9, 2008	Tuesday	57.6	63.3	4:46 AM	51.0	10:03 PM	83.4	94.6	1:00 AM	72.1	5:08 PM	5.8	20.7	11:04 AM	69.32	0.13	7.63	121	0.04
September 10, 2008	Wednesday	51.0	62.9	1:59 PM	40.6	11:58 PM	66.9	94.4	6:04 AM	39.5	1:54 PM	3.5	15.7	8:46 AM	232.90	0.00	1.04	122	0.10
September 11, 2008	Thursday	54.2	69.4	12:30 PM	37.8	2:43 AM	67.7	96.1	7:10 AM	39.4	12:32 PM	3.7	14.6	11:30 AM	205.70	0.00	4.19	126	0.11
September 12, 2008	Friday	61.4	64.8	9:58 PM	55.5	12:53 AM	86.2	95.1	8:47 PM	77.3	2:10 AM	6.4	20.0	2:54 AM	45.64	0.31	11.39	138	0.03
September 13, 2008	Saturday	67.5	75.1	1:53 PM	62.4	4:21 AM	81.3	96.8	7:39 AM	65.8	2:26 PM	2.5	11.0	11:41 PM	124.30	0.03	17.53	155	0.07
September 14, 2008	Sunday	75.0	84.0	1:15 PM	65.7	12:05 AM	76.0	95.7	2:20 AM	56.2	1:19 PM	8.9	33.2	9:39 PM	159.70	0.15	24.97	180	0.11
September 15, 2008	Monday	59.8	77.7	12:46 AM	51.6	11:46 PM	71.6	91.0	8:48 PM	52.1	1:14 AM	10.4	43.9	1:27 AM	116.20	0.00	9.83	190	0.06
September 16, 2008	Tuesday	52.4	60.2	4:00 PM	41.4	11:54 PM	75.1	95.7	7:22 AM	54.4	2:39 PM	3.1	15.7	12:50 PM	122.70	0.00	2.36	192	0.06
September 17, 2008	Wednesday	53.1	69.5	2:54 PM	36.6	6:02 AM	68.0	97.5	8:57 AM	38.6	2:06 PM	3.2	13.2	2:09 PM	219.40	0.00	3.06	195	0.11
September 18, 2008	Thursday	52.4	59.8	1:54 PM	36.8	11:54 PM	67.3	93.7	6:43 AM	40.9	2:57 PM	5.9	22.8	10:46 AM	223.50	0.00	2.39	198	0.10
September 19, 2008	Friday	48.6	64.9	2:37 PM	33.4	4:17 AM	66.5	95.5	6:39 AM	37.6	2:16 PM	4.2	15.7	10:26 AM	228.10	0.00	0.00	198	0.11
September 20, 2008	Saturday	54.8	69.7	3:15 PM	41.0	5:36 AM	69.5	93.2	6:21 AM	45.7	3:15 PM	4.6	17.5	7:57 AM	208.20	0.00	4.81	203	0.10
September 21, 2008	Sunday	54.0	64.6	9:57 AM	44.1	6:05 AM	85.3	96.4	7:21 AM	74.2	9:54 AM	2.8	15.3	11:21 AM	89.30	0.00	3.98	206	0.04
September 22, 2008	Monday	51.5	60.9	2:42 PM	41.1	11:55 PM	72.8	95.1	6:26 AM	50.4	2:37 PM	2.4	12.8	1:24 PM	192.30	0.00	1.48	208	0.09
September 23, 2008	Tuesday	50.2	65.5	2:45 PM	36.9	6:03 AM	64.4	96.1	7:39 AM	32.6	3:02 PM	2.9	14.2	2:29 PM	209.50	0.00	0.20	208	0.10
September 24, 2008	Wednesday	55.8	74.6	2:05 PM	40.3	6:12 AM	68.7	95.4	6:54 AM	42.1	2:05 PM	2.2	9.2	1:38 PM	205.10	0.00	5.81	214	0.11
September 25, 2008	Thursday	56.4	70.5	1:43 PM	45.7	6:09 AM	67.2	96.5	7:02 AM	38.0	7:15 PM	3.2	14.9	10:18 AM	167.10	0.00	6.43	220	0.09
September 26, 2008	Friday	53.7	57.7	2:42 PM	45.6	3:29 AM	80.5	96.3	11:55 PM	64.7	12:49 AM	3.3	16.4	12:58 PM	47.30	0.23	3.71	224	0.02
September 27, 2008	Saturday	60.0	66.0	4:25 PM	55.9	12:25 AM	92.8	97.3	8:04 AM	88.3	4:40 PM	2.3	14.6	12:10 PM	53.13	0.10	10.01	234	0.03
September 28, 2008	Sunday	60.3	65.1	2:17 PM	56.1	11:59 PM	92.3	97.9	8:12 AM	86.6	11:56 AM	4.2	16.0	10:43 PM	49.76	0.02	10.31	244	0.03
September 29, 2008	Monday	51.1	56.2	12:00 AM	44.3	11:53 PM	91.8	97.5	5:13 AM	86.1	10:39 AM	4.5	15.3	3:02 AM	38.42	0.00	1.08	246	0.02
September 30, 2008	Tuesday	53.8	64.6	2:01 PM	43.6	1:16 AM	81.0	97.6	2:40 AM	64.4	3:14 PM	5.2	18.2	1:09 PM	86.20	0.03	3.78	249	0.04
<b>Average (if applicable)</b>		<b>58.3</b>					<b>74.8</b>					<b>4.4</b>			<b>157.80</b>	<b>0.04</b>	<b>8.31</b>		<b>0.09</b>
<b>Minimum (if applicable)</b>		<b>48.6</b>	<b>56.2</b>	<b>12:00 AM</b>	<b>33.4</b>	<b>4:17 AM</b>	<b>61.1</b>	<b>91.0</b>	<b>8:48 PM</b>	<b>26.8</b>	<b>3:31 PM</b>	<b>2.2</b>		<b>1:38 PM</b>	<b>38.42</b>				
Date When Minimum Occurred		19-Sep	29-Sep		19-Sep		5-Sep	15-Sep		5-Sep		24-Sep	24-Sep		29-Sep				
<b>Maximum (if applicable)</b>		<b>75.0</b>	<b>86.2</b>	<b>1:40 PM</b>	<b>65.7</b>	<b>12:05 AM</b>	<b>92.8</b>	<b>97.9</b>	<b>8:12 AM</b>	<b>88.3</b>	<b>4:40 PM</b>	<b>10.4</b>	<b>43.9</b>	<b>1:27 AM</b>	<b>257.10</b>	<b>0.31</b>	<b>24.97</b>		<b>0.19</b>
Date When Maximum Occurred		14-Sep	5-Sep		14-Sep		27-Sep	28-Sep		27-Sep		15-Sep	15-Sep		1-Sep	12-Sep	14-Sep		5-Sep
<b>Total (if applicable)</b>																<b>1.20</b>	<b>249.3</b>		<b>2.56</b>