

**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 2009**

10/2/2009 15:13

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, 2009	Tuesday	52.3	65.8	3:46 PM	38.4	5:58 AM	72.1	100.0	6:10 AM	44.2	1:17 PM	3.9	13.2	2:59 PM	262.40	0.00	2.27	2	0.13
September 2, 2009	Wednesday	55.4	70.4	2:07 PM	39.8	5:32 AM	75.9	100.0	4:53 AM	51.8	12:01 PM	3.6	11.4	10:57 AM	162.10	0.00	5.44	8	0.08
September 3, 2009	Thursday	58.3	72.9	2:13 PM	44.0	5:42 AM	76.5	100.0	3:49 AM	53.1	3:23 PM	3.7	12.8	2:34 PM	180.50	0.00	8.30	16	0.10
September 4, 2009	Friday	58.5	71.9	3:41 PM	45.6	5:57 AM	62.9	100.0	5:33 AM	25.9	1:59 PM	4.6	16.7	1:46 PM	222.30	0.00	8.51	25	0.12
September 5, 2009	Saturday	59.3	71.6	1:56 PM	47.4	4:13 AM	74.7	100.0	5:37 AM	49.4	1:46 PM	4.0	16.4	3:54 PM	190.00	0.00	9.31	34	0.10
September 6, 2009	Sunday	56.6	70.1	1:49 PM	42.8	5:19 AM	70.1	100.0	5:28 AM	40.1	3:52 PM	3.5	13.2	11:38 AM	219.90	0.00	6.57	40	0.12
September 7, 2009	Monday	61.3	72.5	2:47 PM	51.2	12:06 AM	77.7	100.0	11:43 PM	55.4	1:07 PM	4.9	16.7	3:28 AM	195.60	0.00	11.34	52	0.10
September 8, 2009	Tuesday	61.3	72.2	1:46 PM	48.8	4:35 AM	70.7	100.0	12:28 AM	41.4	1:28 PM	3.4	14.2	1:25 PM	91.10	0.00	11.34	63	0.06
September 9, 2009	Wednesday	60.0	71.0	2:35 PM	50.1	11:31 PM	68.5	100.0	4:00 AM	37.1	3:05 PM	4.3	15.3	12:23 PM	159.40	0.00	10.01	73	0.09
September 10, 2009	Thursday	54.5	64.5	2:51 PM	44.4	5:44 AM	71.7	100.0	6:29 AM	43.3	12:24 PM	4.1	14.6	2:02 PM	194.70	0.00	4.50	78	0.10
September 11, 2009	Friday	51.8	64.0	12:45 PM	41.0	4:46 AM	80.0	100.0	3:36 AM	60.0	12:42 PM	5.6	16.4	12:30 PM	148.80	0.07	1.84	79	0.07
September 12, 2009	Saturday	59.5	63.6	4:09 PM	54.2	2:17 AM	94.1	100.0	6:42 AM	88.1	11:36 AM	4.5	11.0	9:53 AM	72.80	0.01	9.50	89	0.03
September 13, 2009	Sunday	59.7	65.5	3:53 PM	51.2	5:28 AM	87.1	100.0	5:48 AM	74.1	3:55 PM	5.7	18.2	9:31 AM	84.60	0.00	9.74	99	0.04
September 14, 2009	Monday	56.9	67.2	4:01 PM	45.9	5:24 AM	77.5	100.0	8:14 AM	55.1	2:04 PM	4.8	21.4	11:12 AM	205.60	0.00	6.91	106	0.10
September 15, 2009	Tuesday	58.9	68.4	1:43 PM	44.1	11:59 PM	74.6	100.0	7:27 AM	49.2	1:43 PM	6.2	19.2	1:28 PM	202.80	0.00	8.91	114	0.10
September 16, 2009	Wednesday	52.9	64.3	2:39 PM	42.6	1:25 AM	76.7	100.0	5:24 AM	53.4	2:32 PM	4.5	15.7	12:01 PM	167.30	0.03	2.88	117	0.08
September 17, 2009	Thursday	53.8	62.3	2:01 PM	48.5	8:36 PM	83.0	100.0	8:45 PM	66.0	2:17 PM	5.0	14.9	2:02 PM	147.90	0.08	3.76	121	0.06
September 18, 2009	Friday	54.7	63.3	10:44 AM	44.1	11:24 PM	79.5	100.0	12:37 AM	59.0	10:44 AM	7.2	22.5	9:28 AM	99.00	0.00	4.66	126	0.05
September 19, 2009	Saturday	46.6	59.4	3:50 PM	35.6	11:53 PM	70.2	100.0	11:20 PM	40.3	1:14 PM	5.6	17.1	7:57 AM	225.30	0.00	0.00	126	0.09
September 20, 2009	Sunday	48.6	71.1	3:28 PM	29.2	5:27 AM	60.9	100.0	6:35 AM	21.9	1:01 PM	3.4	13.2	1:33 PM	167.10	0.00	0.00	126	0.08
September 21, 2009	Monday	57.1	72.5	2:35 PM	35.7	5:54 AM	77.5	100.0	1:02 AM	55.0	11:35 AM	5.9	18.5	12:27 PM	249.40	0.00	7.13	133	0.13
September 22, 2009	Tuesday	62.4	68.0	3:04 PM	57.1	6:23 AM	89.3	100.0	5:39 AM	78.5	1:34 AM	5.5	16.0	12:18 AM	66.42	0.13	12.40	145	0.03
September 23, 2009	Wednesday	68.0	77.8	2:15 PM	62.8	5:34 AM	82.7	100.0	5:04 AM	65.3	2:17 PM	7.2	18.5	8:33 PM	124.20	0.29	18.02	163	0.07
September 24, 2009	Thursday	59.6	64.5	12:00 AM	47.6	11:08 PM	71.2	100.0	4:14 AM	42.4	1:59 PM	6.3	22.8	12:34 PM	189.50	0.00	9.63	173	0.10
September 25, 2009	Friday	47.7	58.1	1:22 PM	36.8	11:36 PM	72.5	100.0	12:42 AM	45.0	1:22 PM	5.0	20.3	7:46 AM	169.50	0.00	0.00	173	0.07
September 26, 2009	Saturday	47.7	59.2	11:19 AM	35.2	3:40 AM	79.8	100.0	3:52 AM	59.7	11:24 AM	8.2	23.9	10:47 AM	132.00	0.23	0.00	173	0.06
September 27, 2009	Sunday	54.3	59.0	12:29 PM	48.9	12:22 AM	96.7	100.0	12:00 AM	93.4	10:01 AM	6.4	20.3	2:04 AM	47.55	0.88	4.27	177	0.02
September 28, 2009	Monday	52.9	61.0	3:09 PM	46.6	10:34 PM	85.6	100.0	4:13 AM	71.2	3:19 PM	6.8	23.5	3:19 PM	67.64	0.25	2.90	180	0.03
September 29, 2009	Tuesday	49.0	53.7	1:39 PM	44.4	11:45 PM	87.7	100.0	3:19 PM	75.4	7:15 AM	9.1	25.7	5:58 PM	63.87	0.34	0.00	180	0.03
September 30, 2009	Wednesday	40.4	44.8	12:02 AM	38.1	6:36 AM	91.3	100.0	12:00 AM	82.5	10:16 AM	7.2	21.0	2:44 AM	76.80	0.15	0.00	180	0.02
<b>Average (if applicable)</b>		<b>55.3</b>					<b>78.0</b>					<b>5.3</b>	<b>17.5</b>		<b>152.87</b>	<b>0.08</b>	<b>6.00</b>		<b>0.07</b>
<b>Minimum (if applicable)</b>		<b>40.4</b>	<b>44.8</b>	<b>12:02 AM</b>	<b>29.2</b>	<b>5:27 AM</b>	<b>60.9</b>	<b>100.0</b>	<b>6:10 AM</b>	<b>21.9</b>	<b>1:01 PM</b>	<b>3.4</b>	<b>11.0</b>	<b>9:53 AM</b>	<b>47.55</b>				
Date When Minimum Occurred	30-Sep	30-Sep			20-Sep		20-Sep	1-Sep		20-Sep		20-Sep	12-Sep		27-Sep				
<b>Maximum (if applicable)</b>		<b>68.0</b>	<b>77.8</b>	<b>2:15 PM</b>	<b>62.8</b>	<b>5:34 AM</b>	<b>96.7</b>	<b>100.0</b>	<b>6:10 AM</b>	<b>93.4</b>	<b>10:01 AM</b>	<b>9.1</b>	<b>25.7</b>	<b>5:58 PM</b>	<b>262.40</b>	<b>0.88</b>	<b>18.02</b>		<b>0.13</b>
Date When Maximum Occurred	23-Sep	23-Sep			23-Sep		27-Sep	1-Sep		27-Sep		29-Sep	29-Sep		1-Sep	27-Sep	23-Sep		1-Sep
<b>Total (if applicable)</b>																<b>2.46</b>	<b>180.1</b>		<b>2.24</b>