

**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 October 2009**

11/6/2009 11:21

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)
October 1, 2009	Thursday	38.9	41.1	2:31 PM	36.5	6:38 AM	94.7	100.0	12:44 AM	89.3	12:56 PM	4.6	15.3	12:19 PM	61.62	0.11	0.00	0	0.02
October 2, 2009	Friday	44.8	53.8	11:57 PM	39.5	1:38 AM	91.1	100.0	12:00 AM	82.2	10:46 AM	6.2	23.2	8:30 PM	52.00	0.40	0.00	0	0.02
October 3, 2009	Saturday	54.5	67.4	1:15 PM	39.9	11:48 PM	68.3	100.0	11:52 PM	36.6	2:27 PM	4.8	21.7	2:26 PM	166.30	0.06	4.50	5	0.09
October 4, 2009	Sunday	48.0	60.0	1:34 PM	37.6	3:20 AM	74.9	100.0	4:05 AM	49.8	3:41 PM	3.8	14.9	1:28 PM	111.60	0.02	0.00	5	0.05
October 5, 2009	Monday	48.2	53.6	11:20 AM	44.5	6:04 AM	81.1	100.0	1:17 AM	62.3	2:00 PM	7.6	22.1	3:10 PM	102.00	0.06	0.00	5	0.04
October 6, 2009	Tuesday	50.4	59.6	2:39 PM	44.6	6:12 AM	72.7	100.0	10:51 PM	45.5	2:07 PM	6.6	18.9	9:48 PM	154.80	0.32	0.43	5	0.07
October 7, 2009	Wednesday	48.7	55.5	5:02 AM	45.1	5:51 PM	84.4	100.0	12:00 AM	68.8	8:53 AM	12.8	40.0	5:45 PM	49.99	0.52	0.00	5	0.02
October 8, 2009	Thursday	48.3	54.9	1:31 PM	42.9	4:08 AM	75.9	97.2	4:17 AM	54.6	1:31 PM	6.7	22.8	12:33 AM	132.00	0.00	0.00	5	0.06
October 9, 2009	Friday	50.6	53.4	2:26 PM	47.4	7:25 AM	87.4	100.0	7:18 AM	74.7	1:20 AM	3.7	13.9	1:27 AM	32.43	0.09	0.65	6	0.01
October 10, 2009	Saturday	42.8	49.6	12:00 AM	30.0	11:39 PM	69.9	100.0	12:00 AM	39.8	2:56 PM	6.7	21.0	1:47 PM	86.80	0.05	0.00	6	0.03
October 11, 2009	Sunday	38.3	45.7	1:58 PM	29.7	12:50 AM	66.6	100.0	12:00 AM	33.2	12:20 PM	6.9	27.1	11:42 AM	140.80	0.00	0.00	6	0.06
October 12, 2009	Monday	36.6	44.9	11:25 AM	26.3	5:56 AM	72.2	100.0	3:34 AM	44.3	12:47 PM	4.3	15.7	3:54 PM	106.30	0.05	0.00	6	0.04
October 13, 2009	Tuesday	39.0	42.3	10:53 AM	34.8	11:54 PM	94.3	100.0	12:00 AM	88.5	4:35 PM	6.4	21.0	2:28 PM	41.81	0.19	0.00	6	0.01
October 14, 2009	Wednesday	33.5	37.8	1:18 PM	26.1	11:55 PM	79.3	100.0	12:00 AM	58.5	1:30 PM	4.4	17.5	1:38 PM	82.50	0.00	0.00	6	0.03
October 15, 2009	Thursday	30.2	35.0	1:19 PM	23.7	2:45 AM	83.2	100.0	12:00 AM	66.5	1:45 PM	5.2	16.0	11:32 PM	70.10	0.00	0.00	6	0.02
October 16, 2009	Friday	33.9	42.3	1:13 PM	27.5	6:57 AM	77.6	100.0	2:01 AM	55.1	3:28 PM	3.8	13.2	1:14 AM	119.30	0.04	0.00	6	0.04
October 17, 2009	Saturday	36.4	45.6	1:40 PM	29.9	12:00 AM	69.0	100.0	12:02 AM	38.1	12:55 PM	3.2	13.5	11:57 AM	108.10	0.00	0.00	6	0.04
October 18, 2009	Sunday	36.9	46.8	3:07 PM	27.6	6:44 AM	70.3	100.0	12:00 AM	40.6	12:13 PM	5.6	18.2	11:40 AM	156.00	0.00	0.00	6	0.06
October 19, 2009	Monday	38.2	51.5	3:49 PM	24.6	6:25 AM	64.6	100.0	6:20 AM	29.1	2:16 PM	3.6	13.5	11:07 AM	158.40	0.00	0.00	6	0.06
October 20, 2009	Tuesday	47.6	54.3	3:19 PM	39.4	11:36 PM	77.6	100.0	10:10 PM	55.2	11:27 AM	4.6	16.4	10:36 AM	63.58	0.00	0.00	6	0.04
October 21, 2009	Wednesday	48.9	58.9	3:46 PM	40.1	3:10 AM	82.9	100.0	12:01 AM	65.7	3:38 PM	2.6	10.3	11:54 PM	42.03	0.00	0.00	6	0.02
October 22, 2009	Thursday	53.3	66.9	1:09 PM	36.8	11:58 PM	60.4	100.0	5:56 PM	20.9	12:47 PM	7.4	22.5	11:59 AM	106.80	0.04	3.28	9	0.08
October 23, 2009	Friday	40.0	47.5	12:46 PM	33.6	6:11 AM	85.4	100.0	12:00 AM	70.7	12:31 PM	9.0	28.9	8:33 PM	69.80	0.20	0.00	9	0.02
October 24, 2009	Saturday	52.7	61.5	4:37 PM	44.2	12:01 AM	87.0	100.0	12:00 AM	73.9	5:17 PM	7.8	25.0	12:50 AM	30.09	0.40	2.72	12	0.01
October 25, 2009	Sunday	43.0	50.3	3:02 PM	33.1	11:57 PM	74.4	100.0	9:52 PM	48.9	2:49 PM	7.1	22.8	4:40 AM	131.50	0.00	0.00	12	0.05
October 26, 2009	Monday	45.1	57.2		34.9											0.00	0.00	12	
October 27, 2009	Tuesday	47.3	55.4		39.2											0.38	0.00	12	
October 28, 2009	Wednesday	50.9	53.6		48.2											1.26	0.90	12	
October 29, 2009	Thursday	50.0	51.8		48.2											0.00	0.00	12	
October 30, 2009	Friday	50.0	51.8		48.2											0.10	0.00	12	
October 31, 2009	Saturday	55.4	62.6		48.2											0.07	5.40	18	
<b>Average (if applicable)</b>		<b>44.6</b>					<b>77.8</b>					<b>5.8</b>	<b>19.8</b>		<b>95.07</b>	<b>0.14</b>	<b>0.58</b>		<b>0.04</b>
<b>Minimum (if applicable)</b>		<b>30.2</b>	<b>35.0</b>	<b>1:19 PM</b>	<b>23.7</b>	<b>2:45 AM</b>	<b>60.4</b>	<b>97.2</b>	<b>4:17 AM</b>	<b>20.9</b>	<b>12:47 PM</b>	<b>2.6</b>	<b>10.3</b>	<b>11:54 PM</b>	<b>30.09</b>				
Date When Minimum Occurred		15-Oct	15-Oct		15-Oct		22-Oct	8-Oct		22-Oct		21-Oct	21-Oct		24-Oct				
<b>Maximum (if applicable)</b>		<b>55.4</b>	<b>67.4</b>	<b>1:15 PM</b>	<b>48.2</b>	<b>12:00 AM</b>	<b>94.7</b>	<b>100.0</b>	<b>12:44 AM</b>	<b>89.3</b>	<b>12:56 PM</b>	<b>12.8</b>	<b>40.0</b>	<b>5:45 PM</b>	<b>166.30</b>	<b>1.26</b>	<b>5.40</b>		<b>0.09</b>
Date When Maximum Occurred		31-Oct	3-Oct		28-Oct		1-Oct	1-Oct		1-Oct		7-Oct	7-Oct		3-Oct	28-Oct	31-Oct		3-Oct
<b>Total (if applicable)</b>																<b>4.36</b>	<b>17.9</b>		<b>0.99</b>