

**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 April 2009**

8/5/2009 11:34

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)
April 1, 2009	Wednesday	41.2	42.9	12:25 PM	38.0	7:03 AM	75.1	90.3	11:30 PM	59.9	5:37 AM	12.4	33.2	8:48 AM	39.08	0.00	0.00	0	0.02
April 2, 2009	Thursday	50.2	63.3	3:41 PM	38.4	6:10 AM	58.4	92.6	6:32 AM	24.2	4:21 PM	5.3	19.6	1:44 AM	242.40	0.00	0.22	0	0.12
April 3, 2009	Friday	51.4	57.6	12:28 PM	38.7	11:36 PM	79.0	94.5	6:57 PM	63.6	12:04 AM	11.4	30.0	10:50 AM	65.26	0.46	1.37	2	0.04
April 4, 2009	Saturday	32.6	39.1	12:01 AM	30.5	6:18 PM	85.9	94.2	1:31 PM	77.5	12:00 AM	14.4	39.6	9:19 AM	92.10	0.16	0.00	2	0.02
April 5, 2009	Sunday	35.5	47.2	4:19 PM	29.7	11:00 PM	77.2	94.8	11:32 PM	59.5	4:24 PM	8.4	31.4	1:11 AM	167.40	0.13	0.00	2	0.05
April 6, 2009	Monday	38.8	46.5	2:46 PM	29.7	12:01 AM	85.3	95.0	12:31 AM	75.5	11:23 PM	7.4	22.8	11:23 AM	49.36	0.22	0.00	2	0.02
April 7, 2009	Tuesday	27.0	33.7	12:02 AM	24.8	7:27 AM	77.9	87.3	2:25 AM	68.5	10:53 AM	0.6	21.7	12:19 AM	88.50	0.01	0.00	2	0.03
April 8, 2009	Wednesday	29.8	35.0	5:11 PM	24.9	12:08 AM	61.5	80.9	6:19 AM	42.2	11:57 PM	5.5	22.8	3:18 PM	101.40	0.00	0.00	2	0.03
April 9, 2009	Thursday	38.1	49.4	1:53 PM	28.0	11:10 PM	54.8	80.5	11:36 PM	29.0	1:36 PM	7.4	28.5	11:48 AM	262.00	0.00	0.00	2	0.11
April 10, 2009	Friday	41.2	57.1	12:41 PM	24.4	4:44 AM	56.8	89.3	4:48 AM	24.4	12:42 PM	4.4	17.5	1:45 PM	220.20	0.00	0.00	2	0.11
April 11, 2009	Saturday	36.7	43.5	11:58 AM	28.6	11:56 PM	55.9	76.1	6:53 AM	35.8	3:21 PM	10.0	27.8	3:04 PM	268.70	0.00	0.00	2	0.09
April 12, 2009	Sunday	27.9	32.5	4:28 PM	22.4	5:45 AM	55.0	68.0	11:24 PM	42.0	4:05 PM	12.1	32.5	10:50 AM	244.30	0.00	0.00	2	0.06
April 13, 2009	Monday	33.4	42.8	2:20 PM	24.0	5:13 AM	44.5	66.1	12:15 AM	22.9	2:23 PM	6.4	22.1	12:48 PM	265.20	0.00	0.00	2	0.09
April 14, 2009	Tuesday	42.2	57.5	2:01 PM	24.1	5:36 AM	51.6	80.2	5:41 AM	22.9	6:24 PM	5.7	20.3	4:02 PM	257.10	0.00	0.00	2	0.13
April 15, 2009	Wednesday	46.0	57.7	3:51 PM	29.5	5:55 AM	44.1	66.8	6:00 AM	21.4	3:29 PM	5.6	21.0	11:47 AM	272.10	0.00	0.00	2	0.13
April 16, 2009	Thursday	42.7	55.7	2:55 PM	26.9	4:54 AM	47.0	76.8	4:54 AM	17.1	3:53 PM	5.5	20.0	5:22 PM	292.40	0.00	0.00	2	0.14
April 17, 2009	Friday	46.6	60.3	3:45 PM	26.3	5:42 AM	50.2	80.1	5:58 AM	20.2	12:15 PM	7.1	23.9	2:43 PM	288.00	0.00	0.00	2	0.15
April 18, 2009	Saturday	53.2	62.6	1:29 PM	41.6	11:56 PM	57.6	89.1	11:59 PM	26.0	1:24 PM	7.9	25.0	3:19 PM	185.70	0.00	3.19	5	0.13
April 19, 2009	Sunday	46.1	55.5	3:54 PM	36.3	5:46 AM	57.9	92.7	6:15 AM	23.1	11:13 PM	5.6	16.7	11:31 AM	269.70	0.00	0.00	5	0.12
April 20, 2009	Monday	40.9	47.5	8:59 AM	36.2	2:09 PM	59.4	92.6	10:59 PM	26.3	12:04 AM	12.9	30.7	9:51 AM	68.43	0.18	0.00	5	0.05
April 21, 2009	Tuesday	48.1	60.7	4:36 PM	39.7	12:00 AM	65.5	95.3	7:11 AM	35.7	7:26 PM	5.8	23.5	7:29 PM	168.70	0.03	0.00	5	0.08
April 22, 2009	Wednesday	42.1	48.8	11:14 AM	34.6	10:56 PM	67.3	91.8	12:45 AM	42.9	12:46 PM	6.4	19.2	7:50 PM	119.30	0.02	0.00	5	0.06
April 23, 2009	Thursday	37.1	44.1	6:07 PM	32.7	2:03 AM	74.7	91.5	2:16 AM	57.9	6:40 PM	8.4	31.0	11:53 AM	105.00	0.07	0.00	5	0.04
April 24, 2009	Friday	52.7	71.7	2:47 PM	27.3	5:14 AM	55.5	93.5	5:53 AM	17.5	2:05 PM	7.2	23.2	9:48 PM	288.90	0.00	2.72	7	0.18
April 25, 2009	Saturday	69.6	85.0	2:29 PM	54.2	2:10 AM	45.7	74.8	12:00 AM	16.6	1:14 PM	8.7	28.2	8:03 PM	269.10	0.00	19.62	27	0.22
April 26, 2009	Sunday	66.1	78.9	3:57 PM	53.5	11:52 PM	58.9	85.7	11:56 PM	32.0	3:52 PM	5.3	24.6	3:36 PM	231.90	0.00	16.15	43	0.15
April 27, 2009	Monday	69.0	88.7	1:26 PM	50.4	5:12 AM	53.4	91.6	5:21 AM	15.1	1:27 PM	5.1	28.5	12:31 PM	285.00	0.00	18.99	62	0.22
April 28, 2009	Tuesday	61.1	80.3	11:03 AM	40.4	11:58 PM	60.6	94.1	6:32 PM	27.1	10:59 AM	9.0	32.5	9:39 AM	221.00	0.01	11.05	73	0.15
April 29, 2009	Wednesday	45.8	60.8	4:12 PM	35.3	5:21 AM	56.6	89.3	1:01 AM	23.8	4:17 PM	4.1	12.4	9:12 AM	298.60	0.00	0.00	73	0.14
April 30, 2009	Thursday	48.5	59.9	12:46 PM	32.9	2:06 AM	57.1	89.1	10:17 PM	25.2	2:06 PM	10.6	31.8	1:06 PM	158.50	0.05	0.00	73	0.12
<b>Average (if applicable)</b>		<b>44.7</b>			<b>22.4</b>	<b>5:45 AM</b>	<b>61.0</b>			<b>15.1</b>	<b>1:27 PM</b>	<b>7.5</b>	<b>25.4</b>		<b>196.18</b>	<b>0.04</b>	<b>2.44</b>		<b>0.10</b>
<b>Minimum (if applicable)</b>		<b>27.0</b>	<b>32.5</b>	<b>4:28 PM</b>	<b>22.4</b>	<b>5:45 AM</b>	<b>44.1</b>	<b>66.1</b>	<b>12:15 AM</b>	<b>15.1</b>	<b>1:27 PM</b>	<b>0.6</b>	<b>12.4</b>	<b>9:12 AM</b>	<b>39.08</b>				
Date When Minimum Occurred		7-Apr	12-Apr		12-Apr		15-Apr	13-Apr		27-Apr		7-Apr	29-Apr		1-Apr				
<b>Maximum (if applicable)</b>		<b>69.6</b>	<b>88.7</b>	<b>1:26 PM</b>	<b>54.2</b>	<b>2:10 AM</b>	<b>85.9</b>	<b>95.3</b>	<b>7:11 AM</b>	<b>77.5</b>	<b>12:00 AM</b>	<b>14.4</b>	<b>39.6</b>	<b>9:19 AM</b>	<b>298.60</b>	<b>0.46</b>	<b>19.62</b>		<b>0.22</b>
Date When Maximum Occurred		25-Apr	27-Apr		25-Apr		4-Apr	21-Apr		4-Apr		4-Apr	4-Apr		29-Apr	3-Apr	25-Apr		25-Apr
<b>Total (if applicable)</b>																<b>1.34</b>	<b>73.3</b>		<b>2.97</b>