

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 2008

9/1/2008 10:16

| Date | Day of Week | T _{avg.} (°F) | T _{max.} (°F) | Time of T _{max.} | T _{min.} (°F) | Time of T _{min.} | RH _{avg.} (%) | RH _{max.} (%) | Time of RH _{max.} | RH _{min.} (%) | Time of RH _{min.} | Wind _{avg.} (mph) | Wind _{max.} (mph) | Time of Wind _{max.} | Solar Rad _{avg.} (W/m ²) | RainFall (in) | GDD (Base T=50°F) | Cum. GDD | ET ₀ (in) |
|--------------------------------|-------------|---------------------------|---------------------------|------------------------------|---------------------------|------------------------------|---------------------------|---------------------------|-------------------------------|---------------------------|-------------------------------|-------------------------------|-------------------------------|---------------------------------|---|------------------|-------------------------|-------------|----------------------|
| August 1, 2008 | Friday | 66.4 | 75.4 | 3:20 PM | 58.5 | 2:09 AM | 74.6 | 95.7 | 2:27 AM | 53.6 | 4:14 PM | 5.1 | 20.7 | 10:31 AM | 256.90 | 0.00 | 16.40 | 16 | 0.14 |
| August 2, 2008 | Saturday | 61.6 | 70.1 | 1:09 PM | 55.7 | 11:51 PM | 82.3 | 96.7 | 5:49 AM | 68.0 | 1:13 PM | 3.1 | 20.3 | 2:21 PM | 126.60 | 1.02 | 11.56 | 28 | 0.07 |
| August 3, 2008 | Sunday | 63.3 | 69.7 | 1:54 PM | 55.4 | 12:22 AM | 80.1 | 94.8 | 12:00 AM | 65.3 | 2:30 PM | 6.2 | 22.8 | 2:37 PM | 213.10 | 0.00 | 13.27 | 41 | 0.11 |
| August 4, 2008 | Monday | 65.1 | 73.7 | 3:14 PM | 55.5 | 11:59 PM | 72.6 | 94.0 | 11:52 PM | 51.1 | 3:49 PM | 5.7 | 19.6 | 10:40 AM | 191.10 | 0.00 | 15.10 | 56 | 0.11 |
| August 5, 2008 | Tuesday | 67.1 | 80.4 | 2:33 PM | 51.9 | 4:22 AM | 66.6 | 95.8 | 4:33 AM | 37.5 | 2:36 PM | 3.1 | 14.6 | 10:37 PM | 278.10 | 0.00 | 17.06 | 73 | 0.17 |
| August 6, 2008 | Wednesday | 67.9 | 74.9 | 2:07 PM | 59.2 | 11:25 PM | 72.1 | 93.3 | 6:52 AM | 50.9 | 3:04 PM | 6.7 | 25.0 | 10:53 AM | 249.10 | 0.00 | 17.86 | 91 | 0.14 |
| August 7, 2008 | Thursday | 63.6 | 72.8 | 1:00 PM | 53.5 | 11:55 PM | 73.5 | 93.6 | 12:00 AM | 53.3 | 1:59 PM | 4.0 | 23.2 | 1:35 PM | 182.00 | 0.00 | 13.55 | 105 | 0.10 |
| August 8, 2008 | Friday | 58.1 | 65.5 | 2:52 PM | 50.9 | 2:41 AM | 82.1 | 96.3 | 4:22 AM | 68.0 | 2:54 PM | 5.3 | 19.6 | 2:04 PM | 158.90 | 0.39 | 8.12 | 113 | 0.08 |
| August 9, 2008 | Saturday | 61.2 | 71.3 | 3:11 PM | 51.8 | 11:59 PM | 67.5 | 94.3 | 11:56 PM | 40.6 | 12:41 PM | 3.9 | 16.4 | 12:23 PM | 253.00 | 0.07 | 11.18 | 124 | 0.14 |
| August 10, 2008 | Sunday | 57.5 | 68.9 | 11:58 AM | 51.2 | 1:21 AM | 81.4 | 95.8 | 11:27 PM | 66.9 | 12:02 PM | 3.2 | 18.9 | 2:37 PM | 118.50 | 0.87 | 7.47 | 132 | 0.06 |
| August 11, 2008 | Monday | 58.1 | 65.5 | 3:40 PM | 52.9 | 7:19 AM | 79.6 | 96.1 | 3:42 AM | 63.1 | 3:45 PM | 4.5 | 15.3 | 1:26 PM | 157.80 | 0.20 | 8.12 | 140 | 0.08 |
| August 12, 2008 | Tuesday | 60.8 | 69.0 | 3:17 PM | 51.7 | 11:38 PM | 75.5 | 94.7 | 11:48 PM | 56.2 | 4:31 PM | 5.9 | 21.0 | 4:10 PM | 205.80 | 0.01 | 10.82 | 150 | 0.10 |
| August 13, 2008 | Wednesday | 58.3 | 72.3 | 1:05 PM | 45.0 | 4:41 AM | 73.6 | 96.7 | 6:48 AM | 50.4 | 1:17 PM | 3.3 | 21.0 | 3:35 PM | 200.80 | 0.15 | 8.33 | 159 | 0.10 |
| August 14, 2008 | Thursday | 60.6 | 71.3 | 2:56 PM | 51.9 | 3:06 AM | 65.6 | 97.1 | 6:17 AM | 34.1 | 1:49 PM | 3.6 | 12.4 | 1:35 PM | 279.20 | 0.00 | 10.58 | 169 | 0.15 |
| August 15, 2008 | Friday | 59.6 | 72.8 | 3:05 PM | 50.4 | 11:41 PM | 70.5 | 95.9 | 6:34 AM | 45.0 | 2:55 PM | 3.1 | 27.1 | 3:51 PM | 197.60 | 0.00 | 9.61 | 179 | 0.11 |
| August 16, 2008 | Saturday | 58.9 | 69.8 | 4:26 PM | 45.8 | 5:06 AM | 74.7 | 97.0 | 7:02 AM | 52.5 | 5:09 PM | 4.2 | 15.7 | 11:38 AM | 190.10 | 0.03 | 8.89 | 188 | 0.10 |
| August 17, 2008 | Sunday | 64.8 | 74.8 | 2:39 PM | 55.8 | 4:08 AM | 74.7 | 95.7 | 11:55 PM | 53.8 | 11:00 AM | 5.1 | 18.9 | 9:03 AM | 224.20 | 0.00 | 14.80 | 203 | 0.13 |
| August 18, 2008 | Monday | 68.3 | 79.3 | 1:40 PM | 55.1 | 4:56 AM | 73.3 | 96.5 | 1:37 AM | 50.1 | 1:32 PM | 5.6 | 21.0 | 2:16 PM | 247.60 | 0.00 | 18.34 | 221 | 0.15 |
| August 19, 2008 | Tuesday | 56.8 | 70.7 | 12:00 AM | 44.4 | 11:50 PM | 75.7 | 95.7 | 7:39 AM | 55.7 | 2:19 PM | 7.0 | 24.2 | 12:32 AM | 196.60 | 0.08 | 6.75 | 228 | 0.09 |
| August 20, 2008 | Wednesday | 53.5 | 65.5 | 4:21 PM | 39.9 | 5:27 AM | 71.3 | 96.4 | 7:15 AM | 46.1 | 4:37 PM | 3.5 | 15.3 | 10:26 AM | 288.10 | 0.00 | 3.49 | 231 | 0.14 |
| August 21, 2008 | Thursday | 60.1 | 76.4 | 4:00 PM | 44.0 | 5:09 AM | 70.8 | 96.4 | 6:40 AM | 45.2 | 3:59 PM | 2.7 | 10.7 | 1:24 PM | 276.70 | 0.00 | 10.08 | 241 | 0.15 |
| August 22, 2008 | Friday | 66.2 | 81.6 | 11:51 AM | 49.8 | 4:45 AM | 68.1 | 96.9 | 6:51 AM | 39.2 | 11:59 AM | 3.1 | 13.9 | 1:29 PM | 273.30 | 0.00 | 16.16 | 258 | 0.17 |
| August 23, 2008 | Saturday | 66.4 | 78.6 | 1:12 PM | 56.1 | 5:49 AM | 69.6 | 92.2 | 6:10 AM | 47.1 | 4:06 PM | 4.4 | 16.4 | 12:51 PM | 242.70 | 0.00 | 16.40 | 274 | 0.14 |
| August 24, 2008 | Sunday | 69.9 | 83.0 | 12:57 PM | 53.7 | 5:08 AM | 68.3 | 92.1 | 5:12 AM | 44.5 | 1:57 PM | 4.5 | 13.5 | 8:11 AM | 238.90 | 0.00 | 19.85 | 294 | 0.15 |
| August 25, 2008 | Monday | 60.9 | 68.0 | 12:03 AM | 47.5 | 11:59 PM | 76.4 | 91.7 | 12:34 AM | 61.0 | 1:40 PM | 6.4 | 19.2 | 2:05 PM | 184.60 | 0.00 | 10.89 | 305 | 0.10 |
| August 26, 2008 | Tuesday | 55.1 | 67.9 | 2:58 PM | 44.4 | 2:59 AM | 62.6 | 94.4 | 5:43 AM | 30.7 | 2:21 PM | 3.9 | 17.8 | 2:14 PM | 277.40 | 0.00 | 5.13 | 310 | 0.15 |
| August 27, 2008 | Wednesday | 58.3 | 74.4 | 3:48 PM | 42.2 | 5:25 AM | 63.2 | 94.2 | 5:55 AM | 32.3 | 1:06 PM | 2.8 | 15.3 | 9:49 AM | 247.60 | 0.00 | 8.33 | 318 | 0.14 |
| August 28, 2008 | Thursday | 61.1 | 75.3 | 2:05 PM | 49.8 | 4:09 AM | 71.4 | 94.7 | 4:35 AM | 48.0 | 2:05 PM | 2.8 | 15.3 | 11:41 AM | 170.70 | 0.00 | 11.11 | 329 | 0.10 |
| August 29, 2008 | Friday | 61.1 | 64.7 | 4:41 PM | 56.9 | 7:35 AM | 83.2 | 93.1 | 9:37 AM | 73.3 | 6:06 AM | 4.7 | 17.1 | 6:03 AM | 56.25 | 0.05 | 11.05 | 340 | 0.03 |
| August 30, 2008 | Saturday | 63.6 | 73.8 | 3:09 PM | 53.5 | 11:43 PM | 72.4 | 94.1 | 11:03 AM | 50.7 | 3:30 PM | 4.3 | 16.4 | 2:19 PM | 148.40 | 0.01 | 13.63 | 354 | 0.08 |
| August 31, 2008 | Sunday | 60.7 | 72.8 | 2:43 PM | 49.4 | 6:12 AM | 66.0 | 95.4 | 7:01 AM | 36.5 | 3:08 PM | 4.0 | 17.8 | 1:53 PM | 261.60 | 0.00 | 10.71 | 365 | 0.15 |
| Average (if applicable) | | 61.8 | | | | | 72.9 | | | | | 4.4 | | | 212.69 | 0.09 | 11.76 | | 0.12 |
| Minimum (if applicable) | | 53.5 | 64.7 | 4:41 PM | 39.9 | 5:27 AM | 62.6 | 91.7 | 12:34 AM | 30.7 | 2:21 PM | 2.7 | 10.7 | 1:24 PM | 56.25 | | | | |
| Date When Minimum Occurred | | 20-Aug | 29-Aug | | 20-Aug | | 26-Aug | 25-Aug | | 26-Aug | | 21-Aug | 21-Aug | | 29-Aug | | | | |
| Maximum (if applicable) | | 69.9 | 83.0 | 12:57 PM | 59.2 | 11:25 PM | 83.2 | 97.1 | 6:17 AM | 73.3 | 6:06 AM | 7.0 | 27.1 | 3:51 PM | 288.10 | 1.02 | 19.85 | | 0.17 |
| Date When Maximum Occurred | | 24-Aug | 24-Aug | | 6-Aug | | 29-Aug | 14-Aug | | 29-Aug | | 19-Aug | 15-Aug | | 20-Aug | 2-Aug | 24-Aug | | 5-Aug |
| Total (if applicable) | | | | | | | | | | | | | | | | 2.88 | 364.6 | | 3.60 |