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 July 2004

1/3/2005 11:43

Date	Day of Week	$T_{avg.}$ (ºF)	$T_{max.}$ (ºF)	Time of $T_{max.}$	$T_{min.}$ (ºF)	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=50ºF)	Cum. GDD	ET_0 (in)
July 1, 2004	Thursday	66.2	79.2	3:05 PM	49.0	4:39 AM	69.0	98.7	5:07 AM	39.3	3:11 PM	5.2	17.1	1:19 PM	278.70	0.00	16.22	16	0.18
July 2, 2004	Friday	62.5	72.1	3:04 PM	51.3	11:52 PM	68.8	96.7	11:56 PM	40.8	3:10 PM	6.0	21.0	1:41 PM	328.80	0.00	12.55	29	0.19
July 3, 2004	Saturday	63.1	77.2	5:16 PM	47.0	5:02 AM	64.2	97.5	4:28 AM	30.8	3:01 PM	3.7	13.2	9:23 AM	334.10	0.00	13.05	42	0.19
July 4, 2004	Sunday	67.8	78.8	3:26 PM	51.0	1:30 AM	73.8	97.5	3:46 AM	50.1	3:26 PM	7.8	23.9	5:08 PM	231.40	0.00	17.84	60	0.16
July 5, 2004	Monday	68.7	81.4	1:48 PM	55.5	11:53 PM	71.5	95.7	11:56 PM	47.3	1:57 PM	9.5	25.0	1:52 PM	220.30	0.00	18.67	78	0.15
July 6, 2004	Tuesday	59.2	68.6	4:23 PM	51.7	11:52 PM	79.2	97.8	11:21 PM	60.5	4:24 PM	6.2	18.2	4:08 AM	166.60	0.00	9.20	88	0.08
July 7, 2004	Wednesday	63.5	78.1	11:13 AM	50.0	2:20 AM	83.8	98.8	6:08 AM	68.7	11:14 AM	5.0	21.7	6:12 PM	136.90	2.19	13.48	101	0.08
July 8, 2004	Thursday	65.2	76.0	12:47 PM	55.1	10:56 PM	76.4	98.4	1:06 AM	54.3	12:44 PM	5.1	25.0	6:48 PM	224.50	0.69	15.17	116	0.13
July 9, 2004	Friday	59.3	64.0	1:38 PM	55.0	4:42 AM	80.7	97.6	12:04 AM	63.8	12:04 PM	6.5	19.6	11:34 AM	157.70	0.02	9.32	125	0.08
July 10, 2004	Saturday	64.1	73.8	4:12 PM	56.1	11:37 PM	75.6	97.1	11:52 PM	54.1	3:00 PM	5.0	14.9	10:02 AM	252.10	0.00	14.11	140	0.14
July 11, 2004	Sunday	66.1	80.2	2:51 PM	51.3	5:14 AM	68.1	98.4	5:25 AM	37.9	11:33 AM	3.0	10.3	5:15 PM	294.50	0.00	16.07	156	0.17
July 12, 2004	Monday	64.2	71.2	10:12 AM	56.8	1:32 AM	85.5	96.7	2:12 AM	74.3	10:12 AM	7.1	23.5	9:14 AM	106.10	0.00	14.20	170	0.06
July 13, 2004	Tuesday	64.0	70.5	4:38 PM	59.2	11:57 PM	86.4	97.1	11:03 PM	75.6	4:48 PM	4.7	12.8	12:07 AM	124.40	0.02	13.97	184	0.07
July 14, 2004	Wednesday	61.8	69.0	2:12 PM	58.0	11:56 PM	88.7	97.6	3:26 AM	79.8	3:48 PM	5.6	21.0	9:47 AM	76.20	0.52	11.75	196	0.04
July 15, 2004	Thursday	61.3	70.1	11:22 AM	56.8	1:42 AM	82.0	98.3	1:58 AM	65.7	11:23 AM	5.2	23.5	2:55 PM	174.00	0.10	11.30	207	0.09
July 16, 2004	Friday	63.1	71.5	2:11 PM	58.3	5:53 AM	82.7	97.2	5:47 AM	68.1	2:12 PM	5.5	23.2	2:55 PM	180.30	0.23	13.09	220	0.09
July 17, 2004	Saturday	64.0	74.6	3:37 PM	55.2	3:03 AM	79.9	98.7	6:35 AM	61.2	10:50 AM	2.4	16.0	11:48 AM	174.90	0.04	14.04	234	0.10
July 18, 2004	Sunday	63.2	72.3	11:58 AM	56.5	5:22 AM	81.8	98.3	5:14 AM	65.4	1:01 PM	2.4	17.5	1:01 PM	126.20	0.00	13.16	247	0.07
July 19, 2004	Monday	64.4	74.0	4:01 PM	54.5	3:36 AM	81.6	98.4	6:02 AM	64.7	4:08 PM	2.1	9.9	11:51 AM	161.50	0.02	14.42	262	0.09
July 20, 2004	Tuesday	67.0	76.7	2:26 PM	57.3	11:33 PM	70.9	97.5	12:43 AM	44.2	1:49 PM	4.4	13.9	11:12 AM	260.20	0.01	17.03	279	0.16
July 21, 2004	Wednesday	68.1	81.2	4:48 PM	53.5	4:51 AM	73.0	98.2	5:09 AM	47.8	2:19 PM	2.6	11.4	2:36 PM	228.60	0.00	18.09	297	0.14
July 22, 2004	Thursday	72.2	84.7	2:13 PM	62.3	4:24 AM	73.2	97.9	5:59 AM	48.4	1:18 PM	6.1	24.6	6:24 PM	220.50	0.00	22.21	319	0.15
July 23, 2004	Friday	67.2	75.5	11:16 AM	59.0	12:00 AM	85.8	96.8	6:11 AM	74.8	3:58 PM	6.3	21.0	5:28 PM	123.90	0.26	17.15	336	0.08
July 24, 2004	Saturday	59.4	68.5	4:53 PM	49.5	12:00 AM	71.6	95.2	1:30 AM	48.0	4:14 PM	5.5	17.5	12:56 PM	301.00	0.00	9.38	345	0.15
July 25, 2004	Sunday	59.3	70.3	11:18 AM	47.3	2:42 AM	77.1	97.3	5:37 AM	56.9	11:51 AM	3.8	13.2	1:20 PM	198.40	0.00	9.31	355	0.11
July 26, 2004	Monday	63.0	68.9	9:14 AM	57.9	5:15 AM	87.4	97.8	10:56 PM	77.0	10:11 AM	1.8	9.6	11:19 PM	76.20	0.40	12.96	368	0.04
July 27, 2004	Tuesday	59.4	62.2	12:00 AM	57.9	11:39 PM	96.7	98.5	5:13 AM	94.9	2:58 PM	5.2	17.5	5:32 PM	35.30	1.90	9.36	377	0.01
July 28, 2004	Wednesday	63.3	74.1	12:25 PM	57.9	11:48 PM	80.2	98.4	5:55 AM	62.0	12:43 PM	2.8	15.7	4:11 PM	147.10	0.24	13.32	390	0.08
July 29, 2004	Thursday	65.5	77.3	3:20 PM	56.1	2:01 AM	72.9	98.9	4:38 AM	46.8	3:21 PM	2.6	12.8	11:44 AM	257.40	0.01	15.48	406	0.15
July 30, 2004	Friday	70.0	81.5	1:03 PM	58.4	2:13 AM	79.6	98.5	2:05 AM	60.8	1:01 PM	5.7	21.0	10:08 AM	190.80	0.02	19.98	426	0.12
July 31, 2004	Saturday	71.5	77.5	9:06 AM	68.0	10:49 PM	83.0	94.0	11:23 AM	72.0	9:06 AM	10.1	32.5	8:50 AM	120.60	0.12	21.47	447	0.08
Average (if applicable)		**64.4**					**78.4**					**5.0**			**190.62**	**0.22**	**14.43**		**0.11**
Minimum (if applicable)		**59.2**	**62.2**	**12:00 AM**	**47.0**	**5:02 AM**	**64.2**	**94.0**	**11:23 AM**	**30.8**	**3:01 PM**	**1.8**	**9.6**	**11:19 PM**	**35.30**				
Date When Minimum Occurred		6-Jul	27-Jul		3-Jul		3-Jul	31-Jul		3-Jul		26-Jul	26-Jul		27-Jul				
Maximum (if applicable)		**72.2**	**84.7**	**2:13 PM**	**68.0**	**10:49 PM**	**96.7**	**98.9**	**4:38 AM**	**94.9**	**2:58 PM**	**10.1**	**32.5**	**8:50 AM**	**334.10**	**2.19**	**22.21**		**0.19**
Date When Minimum Occurred		22-Jul	22-Jul		31-Jul		27-Jul	29-Jul		27-Jul		31-Jul	31-Jul		3-Jul	7-Jul	22-Jul		3-Jul
Total (if applicable)																**6.79**	**447.4**		**3.41**