State University of New York College of Agriculture and Technology at Morrisville
Monthly Climatological Summary for January 2012

Station Location: Academic Quad

Summarized By Dr. Walid H. Shayya, School of Agriculture and Natural Resources

Elevation (ft): 1330 **Latitude: 42°53'46"N** **Longitude: 75°38'26"W** **City: Morrisville** **State: New York**

Day	Temperature (°F)					Heat	Cool	Rain	Wind Speed (mph)			Dominant	Growing Degree	Cumulative
	Mean	High	Time of High	Low	Time of Low	Degree	Degree	(inches)	Average	High	Time of High	Wind Dir.	Days (GDD)	GDD
1	41.2	48.5	2:30p	36.5	11:55p	23.8	0.0	0.11	4.8	30.0	10:00p	SSW	0.0	0.0
2	29.8	36.8	12:50a	20.5	12:00m	35.2	0.0	0.00	7.2	28.0	2:10p	WSW	0.0	0.0
3	11.2	20.5	12:05a	6.5	7:10p	53.8	0.0	0.00	4.7	18.0	12:25a	NNW	0.0	0.0
4	14.6	23.8	10:55p	5.4	5:20a	50.4	0.0	0.00	3.0	14.0	1:20p	SW	0.0	0.0
5	26.9	30.6	10:50a	22.8	12:05a	38.1	0.0	0.00	4.5	26.0	12:35p	SW	0.0	0.0
6	37.3	50.4	3:30p	29.0	12:05a	27.7	0.0	0.01	2.1	13.0	12:15p	SSE	0.0	0.0
7	39.6	48.5	2:05p	34.2	1:55a	25.4	0.0	0.00	2.9	22.0	2:40p	W	0.0	0.0
8	27.3	35.6	12:05a	15.8	10:40p	37.7	0.0	0.00	3.9	20.0	12:05a	NW	0.0	0.0
9	29.9	39.1	2:40p	15.8	12:05a	35.1	0.0	0.01	3.5	17.0	8:05p	SW	0.0	0.0
10	34.9	37.2	1:30p	32.7	2:25a	30.1	0.0	0.00	4.2	21.0	2:45p	WNW	0.0	0.0
11	34.9	44.4	1:50p	24.5	7:30a	30.1	0.0	0.05	2.1	20.0	10:40p	SE	0.0	0.0
12	37.2	39.6	2:05p	34.7	12:50a	27.8	0.0	0.59	3.9	24.0	7:10a	SE	0.0	0.0
13	28.7	40.3	6:00a	20.4	2:55p	36.3	0.0	0.36	6.7	28.0	1:35p	WSW	0.0	0.0
14	15.8	24.1	12:05a	2.6	12:00m	49.2	0.0	0.00	5.0	19.0	5:35a	NW	0.0	0.0
15	0.6	10.2	2:15p	-8.3	7:30a	64.4	0.0	0.00	1.9	16.0	12:40p	NW	0.0	0.0
16	14.7	30.6	11:20p	-6.9	3:35a	50.3	0.0	0.00	3.8	25.0	12:55p	SSW	0.0	0.0
17	37.3	45.7	9:50p	28.9	12:20a	27.7	0.0	0.34	5.2	42.0	11:25p	SSW	0.0	0.0
18	21.1	39.0	12:05a	7.4	12:00m	43.9	0.0	0.00	6.5	39.0	1:40a	NW	0.0	0.0
19	16.1	26.0	3:00p	2.1	4:55a	48.9	0.0	0.00	3.3	28.0	4:10p	SW	0.0	0.0
20	15.1	21.7	12:05a	11.0	8:20p	49.9	0.0	0.00	3.9	21.0	1:15a	WSW	0.0	0.0
21	14.0	21.1	1:50p	4.8	11:55p	51.0	0.0	0.00	1.0	10.0	2:30a	SE	0.0	0.0
22	16.5	30.7	12:00m	-0.5	5:10a	48.5	0.0	0.00	2.8	22.0	9:35p	SSE	0.0	0.0
23	39.1	46.1	5:20p	30.7	12:05a	25.9	0.0	0.18	5.4	27.0	9:30a	SSE	0.0	0.0
24	35.7	44.7	12:15a	30.9	11:55p	29.3	0.0	0.10	3.3	19.0	9:55p	NW	0.0	0.0
25	29.0	30.9	12:05a	28.2	11:55p	36.0	0.0	0.00	4.1	22.0	1:10a	WNW	0.0	0.0
26	31.0	35.1	12:00m	24.7	6:45a	34.0	0.0	0.36	2.1	18.0	10:15p	SSE	0.0	0.0
27	38.9	50.4	11:50a	33.6	9:50p	26.1	0.0	0.63	6.2	28.0	12:55p	WNW	0.0	0.0
28	34.5	42.2	2:50p	28.0	11:45p	30.5	0.0	0.02	5.8	40.0	11:00p	WSW	0.0	0.0
29	31.4	35.8	3:45p	26.4	4:00a	33.6	0.0	0.00	6.7	30.0	1:45a	SW	0.0	0.0
30	25.9	30.8	12:05a	23.2	7:40p	39.1	0.0	0.00	4.5	21.0	11:25a	WSW	0.0	0.0
31	41.8	52.1	3:40p	25.3	12:05a	23.2	0.0	0.04	3.4	20.0	1:30p	SW	0.0	0.0
Parameter	**M. Mean**	**M. High**	**Day**	**M. Low**	**Day**	**Sum**	**Sum**	**Sum**	**M. Mean**	**M. High**	**Day**	**Month**	**Month**	**M. High**
Value	27.5	52.1	31	-8.3	15	1163.0	0	2.80	4.1	42.0	17	SW	0.0	0.0

Days with Maximum Temperature in Excess of 90°F: 0
Days with Maximum Temperature Less Than 32°F: 12
Days with Minimum Temperature Less Than 32°F: 26
Days with Minimum Temperature Less Than 0°F: 3
Maximum Rain (inches): 0.63 on 1/27/2012
Days of Rain: 11 (>0.01 inches) 7 (>0.1 inches) 0 (>1 inch)
Heat Degree Base Temperature (°F): 65 Cold Degree Base Temperature (°F): 65 Method: Integration

Base Temperature for GDD (°F): 50
M.: Monthly

State University of New York College of Agriculture and Technology at Morrisville
Monthly Climatological Summary for February 2012

Station Location: Academic Quad

Summarized By Dr. Walid H. Shayya, School of Agriculture and Natural Resources

Elevation (ft): 1330 **Latitude: 42°53'46"N** **Longitude: 75°38'26"W** **City: Morrisville** **State: New York**

Day	Temperature (°F)					Heat	Cool	Rain	Wind Speed (mph)			Dominant	Growing Degree	Cumulative
	Mean	High	Time of High	Low	Time of Low	Degree	Degree	(inches)	Average	High	Time of High	Wind Dir.	Days (GDD)	GDD
1	44.4	52.4	1:25p	35.9	11:55p	20.6	0.0	0.10	6.1	29.0	1:10p	SW	0.0	0.0
2	29.5	35.9	12:05a	22.8	11:20p	35.5	0.0	0.00	5.0	20.0	7:10p	NNW	0.0	0.0
3	28.1	34.1	11:45a	17.9	5:25a	36.9	0.0	0.00	2.8	18.0	10:35a	WNW	0.0	0.0
4	30.1	33.6	12:05a	19.9	11:55p	34.9	0.0	0.00	3.1	13.0	12:05a	NW	0.0	0.0
5	24.3	31.9	1:30p	15.6	4:25a	40.7	0.0	0.00	2.0	14.0	1:50p	NW	0.0	0.0
6	37.9	49.6	3:25p	26.6	7:55a	27.1	0.0	0.01	4.0	22.0	12:55p	WSW	0.0	0.0
7	31.1	37.5	12:05a	21.9	10:35p	33.9	0.0	0.00	3.8	14.0	12:15a	NW	0.0	0.0
8	25.2	32.3	12:20p	16.8	3:40a	39.8	0.0	0.00	1.0	9.0	12:40p	S	0.0	0.0
9	29.7	40.1	3:15p	22.5	12:00m	35.3	0.0	0.00	2.6	20.0	2:30p	WSW	0.0	0.0
10	27.0	35.8	1:20p	16.8	7:05a	38.0	0.0	0.00	1.4	12.0	8:45a	SSW	0.0	0.0
11	23.0	31.7	10:50a	8.7	12:00m	42.0	0.0	0.02	3.2	20.0	8:45p	SW	0.0	0.0
12	13.5	23.4	12:00m	6.0	2:00a	51.5	0.0	0.00	3.6	24.0	11:25p	NW	0.0	0.0
13	28.9	35.6	4:00p	23.4	12:05a	36.1	0.0	0.00	5.9	27.0	1:20a	WSW	0.0	0.0
14	29.6	35.6	11:55p	18.5	3:20a	35.4	0.0	0.00	1.8	14.0	12:05p	SW	0.0	0.0
15	34.2	35.7	12:10a	27.1	12:00m	30.8	0.0	0.02	1.8	15.0	11:00a	WNW	0.0	0.0
16	32.7	39.0	12:25p	22.7	4:25a	32.3	0.0	0.10	2.5	15.0	12:40p	SW	0.0	0.0
17	35.2	39.5	2:10p	29.4	12:00m	29.8	0.0	0.03	4.8	24.0	11:00a	W	0.0	0.0
18	30.3	37.3	3:05p	23.0	6:50a	34.7	0.0	0.06	3.2	25.0	4:45p	SW	0.0	0.0
19	27.3	30.9	1:40p	22.7	5:00a	37.7	0.0	0.04	2.3	9.0	12:25p	NNW	0.0	0.0
20	24.2	31.9	3:35p	15.1	11:10p	40.8	0.0	0.00	2.7	16.0	12:45p	N	0.0	0.0
21	27.9	37.7	3:40p	10.6	4:35a	37.1	0.0	0.00	3.5	23.0	5:30p	SSW	0.0	0.0
22	40.3	47.3	1:10p	35.7	3:15a	24.7	0.0	0.07	5.0	24.0	3:20p	SW	0.0	0.0
23	34.2	40.9	1:15a	28.5	10:10p	30.8	0.0	0.06	2.6	16.0	1:05p	NW	0.0	0.0
24	34.5	38.7	9:20p	28.8	12:55a	30.5	0.0	0.19	4.2	37.0	11:15p	SSE	0.0	0.0
25	28.4	34.8	12:05a	23.5	12:00m	36.6	0.0	0.00	9.9	41.0	12:50a	WNW	0.0	0.0
26	22.5	29.8	2:10p	17.1	9:50p	42.5	0.0	0.00	3.5	21.0	12:05a	NW	0.0	0.0
27	34.7	48.3	4:20p	17.0	12:40a	30.3	0.0	0.00	4.7	29.0	6:40p	SW	0.0	0.0
28	29.4	33.5	2:55p	24.2	10:30p	35.6	0.0	0.00	5.2	28.0	2:40a	NW	0.0	0.0
29	30.6	34.2	10:45p	24.7	12:05a	34.4	0.0	0.03	2.4	15.0	11:25a	SE	0.0	0.0
Parameter	**M. Mean**	**M. High**	**Day**	**M. Low**	**Day**	**Sum**	**Sum**	**Sum**	**M. Mean**	**M. High**	**Day**	**Month**	**Month**	**M. High**
Value	27.5	52.1	31	-8.3	15	1163.0	0	2.80	4.1	42.0	17	SW	0.0	0.0

Days with Maximum Temperature in Excess of 90°F: 0

Days with Maximum Temperature Less Than 32°F: 6

Days with Minimum Temperature Less Than 32°F: 27

Days with Minimum Temperature Less Than 0°F: 0

Maximum Rain (inches): 0.19 on 2/24/2012

Days of Rain: 11 (>0.01 inches) 1 (>0.1 inches) 0 (>1 inch)

Heat Degree Base Temperature (°F): 65 Cold Degree Base Temperature (°F): 65

Base Temperature for GDD (°F): 50

M.: Monthly

Method: Integration

State University of New York College of Agriculture and Technology at Morrisville
Monthly Climatological Summary for March 2012

Station Location: Academic Quad

Summarized By Dr. Walid H. Shayya, School of Agriculture and Natural Resources

Elevation (ft): 1330 **Latitude: 42°53'46"N** **Longitude: 75°38'26"W** **City: Morrisville** **State: New York**

Day	Temperature (°F)					Heat	Cool	Rain	Wind Speed (mph)			Dominant	Growing Degree	Cumulative
	Mean	High	Time of High	Low	Time of Low	Degree	Degree	(inches)	Average	High	Time of High	Wind Dir.	Days (GDD)	GDD
1	34.7	37.3	2:40p	33.5	7:15a	30.3	0.0	0.50	1.8	18.0	1:55a	SE	0.0	0.0
2	36.0	40.9	11:25a	34.0	12:05a	29.0	0.0	0.61	3.9	25.0	5:35p	SSE	0.0	0.0
3	40.4	49.7	12:55p	33.8	11:40p	24.6	0.0	0.02	8.4	34.0	12:55p	WSW	0.0	0.0
4	28.6	33.9	12:05a	19.9	12:00m	36.4	0.0	0.01	4.6	20.0	9:05p	SW	0.0	0.0
5	17.5	22.4	1:40p	12.3	6:25a	47.5	0.0	0.01	4.2	20.0	4:30p	NW	0.0	0.0
6	27.2	38.9	4:30p	11.7	2:50a	37.8	0.0	0.00	2.7	16.0	10:10p	SW	0.0	0.0
7	48.0	62.6	3:20p	33.3	12:55a	17.0	0.0	0.00	6.2	20.0	9:50a	SW	0.0	0.0
8	49.9	57.5	11:45a	32.6	11:55p	15.1	0.0	0.47	7.5	28.0	4:55p	SW	0.0	0.0
9	29.5	35.1	12:15p	22.9	11:25p	35.5	0.0	0.12	5.6	28.0	2:40p	W	0.0	0.0
10	25.0	31.4	5:10p	19.1	5:40a	40.0	0.0	0.02	4.3	20.0	3:30a	NW	0.0	0.0
11	43.4	61.1	5:25p	30.5	12:05a	20.7	0.0	0.01	4.8	20.0	1:45a	SW	0.0	0.0
12	48.6	64.5	2:10p	31.5	6:35a	16.4	0.0	0.00	1.6	14.0	2:40p	SE	0.0	0.0
13	56.9	63.6	3:10p	50.6	8:50p	8.1	0.0	0.14	4.0	23.0	2:20p	SW	6.9	6.9
14	46.1	56.2	4:35p	34.2	11:55p	18.9	0.0	0.00	3.4	22.0	2:20p	NW	0.0	6.9
15	49.1	68.4	4:40p	32.9	3:25a	16.1	0.3	0.00	1.8	17.0	12:50p	SE	0.0	6.9
16	51.5	62.6	4:30p	45.5	7:35a	13.5	0.0	0.12	3.4	15.0	9:05a	SSW	1.5	8.4
17	53.0	69.4	3:15p	42.7	8:25a	12.4	0.3	0.00	1.5	10.0	3:40p	SW	3.0	11.4
18	61.1	77.3	4:20p	44.1	2:40a	7.0	3.1	0.00	2.2	14.0	5:05p	SE	11.1	22.5
19	62.1	76.3	3:05p	54.2	7:45a	4.4	1.4	0.17	1.5	10.0	8:35p	SSE	12.1	34.6
20	61.0	75.3	3:55p	48.0	7:00a	6.5	2.5	0.00	1.6	12.0	12:00p	SE	11.0	45.6
21	61.5	77.8	4:30p	45.8	7:35a	6.9	3.4	0.00	1.3	11.0	12:55p	SE	11.5	57.1
22	63.4	75.4	2:50p	50.6	6:10a	4.4	2.7	0.00	1.9	13.0	2:30p	SE	13.4	70.5
23	60.1	69.6	3:00p	50.9	6:55a	5.5	0.6	0.00	2.0	15.0	1:25p	N	10.1	80.6
24	53.8	58.9	2:05p	48.2	12:00m	11.2	0.0	0.05	1.9	13.0	10:35a	ESE	3.8	84.4
25	47.8	54.0	3:10p	43.2	4:35a	17.2	0.0	0.04	2.3	16.0	3:15a	SSE	0.0	84.4
26	34.2	49.6	1:15a	26.5	12:00m	30.8	0.0	0.00	9.2	32.0	5:00p	NNW	0.0	84.4
27	30.8	41.7	5:25p	19.7	7:00a	34.2	0.0	0.00	4.2	18.0	1:05a	NNW	0.0	84.4
28	48.4	64.1	2:15p	37.3	12:20a	16.6	0.0	0.18	5.1	27.0	5:45p	SSE	0.0	84.4
29	36.3	41.9	12:05a	34.1	12:00m	28.7	0.0	0.18	5.6	27.0	12:05a	NNW	0.0	84.4
30	35.9	45.2	5:50p	25.8	7:25a	29.1	0.0	0.00	3.2	13.0	1:30a	NNW	0.0	84.4
31	36.3	39.9	5:25p	33.0	8:00a	28.7	0.0	0.14	1.0	8.0	11:20a	ESE	0.0	84.4
Parameter	**M. Mean**	**M. High**	**Day**	**M. Low**	**Day**	**Sum**	**Sum**	**Sum**	**M. Mean**	**M. High**	**Day**	**Month**	**Month**	**M. High**
Value	44.5	77.8	21	11.7	6	650.5	14.3	2.79	3.6	34.0	3	SW	84.4	13.4

Days with Maximum Temperature in Excess of 90°F: 0

Days with Maximum Temperature Less Than 32°F: 2

Days with Minimum Temperature Less Than 32°F: 10

Days with Minimum Temperature Less Than 0°F: 0

Maximum Rain (inches): 0.61 on 3/2/2012

Days of Rain: 14 (>0.01 inches) 10 (>0.1 inches) 0 (>1 inch)

Heat Degree Base Temperature (°F): 65 Cold Degree Base Temperature (°F): 65 Method: Integration

Base Temperature for GDD (°F): 50

M.: Monthly

State University of New York College of Agriculture and Technology at Morrisville
Monthly Climatological Summary for April 2012

Station Location: Academic Quad

Summarized By Dr. Walid H. Shayya, School of Agriculture and Natural Resources

Elevation (ft): 1330 **Latitude: 42°53'46"N** **Longitude: 75°38'26"W** **City: Morrisville** **State: New York**

Day	Temperature (°F)					Heat	Cool	Rain	Wind Speed (mph)			Dominant	Growing Degree	Cumulative
	Mean	High	Time of High	Low	Time of Low	Degree	Degree	(inches)	Average	High	Time of High	Wind Dir.	Days (GDD)	GDD
1	37.1	39.6	11:30a	35.7	12:05a	27.9	0.0	0.22	1.3	14.0	11:30p	N	0.0	0.0
2	38.7	46.3	3:40p	32.6	7:35a	26.3	0.0	0.02	6.2	26.0	2:55p	NNW	0.0	0.0
3	40.7	50.9	2:10p	32.2	6:20a	24.3	0.0	0.00	4.2	17.0	1:00p	NW	0.0	0.0
4	41.7	53.0	1:35p	31.9	6:20a	23.3	0.0	0.00	4.2	29.0	3:15p	NNW	0.0	0.0
5	35.2	38.6	4:25p	30.6	11:55p	29.9	0.0	0.01	5.0	20.0	4:30p	NNW	0.0	0.0
6	36.6	44.4	3:50p	30.3	7:25a	28.4	0.0	0.00	5.2	24.0	4:20p	NNW	0.0	0.0
7	40.6	49.0	2:20p	29.0	1:30a	24.4	0.0	0.00	5.5	26.0	11:30a	NNW	0.0	0.0
8	44.3	54.6	5:20p	31.4	7:15a	20.7	0.0	0.08	5.5	26.0	2:55p	NW	0.0	0.0
9	42.6	49.4	6:20p	37.0	8:40a	22.4	0.0	0.02	7.4	28.0	11:25a	WNW	0.0	0.0
10	42.0	48.3	2:05p	36.2	11:40p	23.0	0.0	0.03	5.6	24.0	3:05p	WSW	0.0	0.0
11	37.9	45.1	4:05p	34.4	2:40a	27.1	0.0	0.19	4.2	18.0	4:50p	NW	0.0	0.0
12	41.8	50.2	4:05p	33.0	11:50p	23.2	0.0	0.01	4.2	21.0	3:05p	NNW	0.0	0.0
13	42.6	56.6	3:25p	28.3	6:10a	22.4	0.0	0.00	2.5	16.0	3:55p	NNW	0.0	0.0
14	49.8	65.7	3:55p	29.5	5:50a	15.2	0.0	0.00	2.7	20.0	4:05p	WSW	0.0	0.0
15	56.8	62.3	4:30p	50.8	3:15a	8.2	0.0	0.08	3.2	16.0	11:50a	SSW	6.8	6.8
16	71.4	84.2	3:00p	57.4	12:05a	1.3	7.7	0.03	6.5	27.0	3:20p	SSW	21.4	28.2
17	50.9	62.6	12:05a	38.4	12:00m	14.1	0.0	0.00	5.3	27.0	3:10a	WNW	0.9	29.1
18	41.1	54.2	4:15p	31.4	5:50a	23.9	0.0	0.00	2.0	12.0	4:50p	NNW	0.0	29.1
19	52.2	71.8	5:10p	30.8	5:50a	14.0	1.2	0.00	2.4	20.0	1:05p	ESE	2.2	31.3
20	62.5	76.4	4:05p	45.2	4:45a	5.9	3.4	0.00	5.3	27.0	4:35p	SSW	12.5	43.8
21	49.1	61.5	12:05a	39.4	12:00m	15.9	0.0	0.56	3.9	16.0	5:30p	NW	0.0	43.8
22	39.4	43.9	2:35p	34.4	11:50p	25.6	0.0	0.51	4.3	18.0	8:10p	N	0.0	43.8
23	37.3	44.0	5:05p	34.1	5:25a	27.7	0.0	1.06	5.5	17.0	1:55a	N	0.0	43.8
24	38.5	44.4	2:35p	34.7	4:45a	26.5	0.0	0.05	7.4	28.0	6:55p	SSW	0.0	43.8
25	39.6	44.1	6:15p	31.7	12:00m	25.4	0.0	0.01	4.3	24.0	8:35a	WSW	0.0	43.8
26	42.3	55.4	11:10a	27.6	5:05a	22.7	0.0	0.24	3.8	22.0	12:30p	S	0.0	43.8
27	34.8	41.5	12:05a	30.6	9:50a	30.2	0.0	0.06	6.3	23.0	10:20a	NW	0.0	43.8
28	36.8	47.8	4:30p	27.3	6:20a	28.2	0.0	0.00	4.0	17.0	9:00a	NW	0.0	43.8
29	38.7	50.1	1:00p	26.7	3:40a	26.3	0.0	0.00	4.2	25.0	1:05p	NW	0.0	43.8
30	46.7	61.7	2:45p	26.4	5:50a	18.3	0.0	0.08	2.2	14.0	2:10p	SSE	0.0	43.8
Parameter	**M. Mean**	**M. High**	**Day**	**M. Low**	**Day**	**Sum**	**Sum**	**Sum**	**M. Mean**	**M. High**	**Day**	**Month**	**Month**	**M. High**
Value	43.7	84.2	16	26.4	30	652.7	12.3	3.26	4.5	29.0	4	NNW	43.8	21.4

Days with Maximum Temperature in Excess of 90°F: 0
Days with Maximum Temperature Less Than 32°F: 0
Days with Minimum Temperature Less Than 32°F: 15
Days with Minimum Temperature Less Than 0°F: 0
Maximum Rain (inches): 1.06 on 4/23/2012
Days of Rain: 15 (>0.01 inches) 6 (>0.1 inches) 1 (>1 inch)
Heat Degree Base Temperature (°F): 65 Cold Degree Base Temperature (°F): 65 Method: Integration

Base Temperature for GDD (°F): 50
M.: Monthly

State University of New York College of Agriculture and Technology at Morrisville
Monthly Climatological Summary for May 2012

Station Location: Academic Quad

Summarized By Dr. Walid H. Shayya, School of Agriculture and Natural Resources

Elevation (ft): 1330 **Latitude: 42°53'46"N** **Longitude: 75°38'26"W** **City: Morrisville** **State: New York**

Day	Temperature (°F)					Heat	Cool	Rain	Wind Speed (mph)			Dominant	Growing Degree	Cumulative
	Mean	High	Time of High	Low	Time of Low	Degree	Degree	(inches)	Average	High	Time of High	Wind Dir.	Days (GDD)	GDD
1	51.5	55.4	4:05p	48.2	1:15a	13.4	0.0	0.54	3.0	16.0	3:00a	SSW	1.5	1.5
2	55.0	64.1	1:55p	48.8	12:45a	10.0	0.0	0.16	2.9	18.0	10:45p	SSE	5.0	6.5
3	64.6	76.9	4:55p	53.9	12:05a	3.8	3.4	0.01	2.7	13.0	12:05a	SSE	14.6	21.1
4	64.8	74.0	2:50p	54.8	11:45p	2.0	1.9	0.38	4.2	29.0	12:50a	SSW	14.8	35.9
5	57.0	66.4	3:25p	45.9	12:00m	8.1	0.0	0.00	3.1	12.0	3:35p	N	7.0	42.9
6	54.2	68.5	3:35p	38.8	5:50a	11.2	0.4	0.00	2.0	15.0	2:40p	NNW	4.2	47.1
7	56.1	68.8	11:45a	45.4	6:15a	9.3	0.4	0.36	3.4	21.0	9:05p	SSW	6.1	53.2
8	55.4	59.7	4:30p	50.5	7:05a	9.6	0.0	1.12	5.6	23.0	3:45a	SSW	5.4	58.6
9	59.1	65.9	3:25p	51.8	11:55p	5.9	0.0	0.02	2.4	18.0	8:40p	WSW	9.1	67.7
10	46.3	51.8	12:05a	42.3	10:10a	18.7	0.0	0.07	4.6	22.0	2:25p	WNW	0.0	67.7
11	51.2	60.7	4:25p	38.3	4:10a	13.8	0.0	0.01	4.3	28.0	12:20p	WNW	1.2	68.9
12	60.6	76.3	4:15p	38.2	6:20a	7.7	3.3	0.00	2.5	16.0	1:40p	WSW	10.6	79.5
13	62.4	74.9	2:30p	51.7	5:55a	4.6	2.0	0.00	2.0	13.0	2:40p	NNW	12.4	91.9
14	59.6	66.9	5:35p	55.2	4:55a	5.5	0.1	0.06	2.1	13.0	5:00p	SSE	9.6	101.5
15	60.8	70.0	5:25p	57.7	2:55a	4.4	0.3	0.60	1.7	12.0	3:50p	SSE	10.8	112.3
16	60.9	78.1	2:20p	46.5	12:00m	6.3	2.2	0.10	3.4	19.0	9:35p	SSW	10.9	123.2
17	49.9	60.4	3:25p	38.5	6:20a	15.1	0.0	0.00	3.2	19.0	2:55p	N	0.0	123.2
18	54.6	74.8	2:55p	34.7	6:20a	12.3	1.8	0.00	1.3	11.0	4:05p	SE	4.6	127.8
19	64.8	83.7	2:25p	45.1	5:55a	6.7	6.4	0.00	1.4	11.0	2:50p	NNE	14.8	142.6
20	69.8	89.2	2:25p	48.5	5:45a	4.6	9.4	0.00	1.4	10.0	12:15p	SE	19.8	162.4
21	64.6	78.1	1:45p	52.5	6:10a	2.8	2.4	0.59	2.3	18.0	2:35p	SSE	14.6	177.0
22	65.2	76.6	1:45p	59.6	12:00m	1.9	2.0	0.81	1.7	14.0	8:25p	SSE	15.2	192.2
23	66.2	79.5	4:20p	55.9	3:30a	2.9	4.1	0.00	1.1	10.0	1:55p	ESE	16.2	208.4
24	68.2	79.3	4:15p	58.6	3:20a	1.3	4.5	0.00	3.1	16.0	3:00p	SSE	18.2	226.6
25	70.9	80.8	3:35p	62.4	4:30a	0.5	6.4	0.00	6.1	22.0	4:40p	SSW	20.9	247.5
26	70.3	81.6	12:50p	57.5	12:00m	0.8	6.1	0.00	2.6	16.0	12:25a	NNW	20.3	267.8
27	68.2	85.9	2:35p	50.1	5:40a	4.0	7.2	0.00	1.5	11.0	11:20a	SSE	18.2	286.0
28	73.0	87.6	5:25p	58.2	6:15a	1.4	9.4	0.10	2.8	16.0	2:25p	SSW	23.0	309.0
29	74.0	89.6	1:15p	64.6	10:25p	0.0	9.0	1.03	4.0	19.0	3:15p	SSW	24.0	333.0
30	65.4	76.2	1:45p	52.6	12:00m	2.6	2.9	0.05	2.4	14.0	2:05p	N	15.4	348.4
31	57.6	66.5	1:50p	48.2	12:00m	7.4	0.0	0.00	3.0	16.0	12:45p	NW	7.6	356.0
Parameter	**M. Mean**	**M. High**	**Day**	**M. Low**	**Day**	**Sum**	**Sum**	**Sum**	**M. Mean**	**M. High**	**Day**	**Month**	**Month**	**M. High**
Value	61.4	89.6	29	34.7	18	198.6	85.6	6.01	2.8	29.0	4	SSW	356.0	24.0

Days with Maximum Temperature in Excess of 90°F: 0

Days with Maximum Temperature Less Than 32°F: 0

Days with Minimum Temperature Less Than 32°F: 0

Days with Minimum Temperature Less Than 0°F: 0

Maximum Rain (inches): 1.12 on 5/8/2012

Days of Rain: 15 (>0.01 inches) 9 (>0.1 inches) 2 (>1 inch)

Heat Degree Base Temperature (°F): 65 Cold Degree Base Temperature (°F): 65 Method: Integration

Base Temperature for GDD (°F): 50

M.: Monthly

State University of New York College of Agriculture and Technology at Morrisville
Monthly Climatological Summary for June 2012

Station Location: Academic Quad

Summarized By Dr. Walid H. Shayya, School of Agriculture and Natural Resources

Elevation (ft): 1330 **Latitude: 42°53'46"N** **Longitude: 75°38'26"W** **City: Morrisville** **State: New York**

Day	Temperature (°F)					Heat	Cool	Rain	Wind Speed (mph)			Dominant	Growing Degree	Cumulative
	Mean	High	Time of High	Low	Time of Low	Degree	Degree	(inches)	Average	High	Time of High	Wind Dir.	Days (GDD)	GDD
1	57.2	67.6	1:15p	44.6	6:00a	7.9	0.1	0.12	2.9	19.0	8:20p	ESE	7.2	7.2
2	58.4	64.0	6:45p	48.7	12:00m	6.6	0.0	0.65	2.4	16.0	4:30p	WSW	8.4	15.6
3	56.0	63.2	9:45a	47.9	1:40a	9.0	0.0	0.10	2.8	18.0	10:30a	SW	6.0	21.6
4	53.2	58.0	4:25p	47.6	12:00m	11.8	0.0	0.13	1.8	11.0	11:35a	E	3.2	24.8
5	54.0	66.0	4:00p	44.7	3:45a	11.0	0.0	0.00	2.0	12.0	11:25a	NNW	4.0	28.8
6	55.2	70.4	2:05p	42.2	5:15a	10.3	0.5	0.01	1.6	19.0	4:55p	SW	5.2	34.0
7	57.6	72.2	3:50p	43.5	5:40a	8.8	1.3	0.00	1.5	12.0	2:10p	S	7.6	41.6
8	63.6	76.3	3:05p	46.5	5:35a	5.4	3.9	0.00	3.0	18.0	3:40p	SSE	13.6	55.2
9	61.9	67.2	5:45p	56.4	5:50a	3.2	0.2	0.16	0.6	7.0	12:05a	N	11.9	67.1
10	70.4	82.4	5:55p	59.1	5:25a	1.3	6.7	0.01	1.3	8.0	12:55p	NE	20.4	87.5
11	72.4	85.8	3:15p	61.3	3:25a	0.6	8.0	0.00	3.7	18.0	4:30p	SSE	22.4	109.9
12	64.4	66.6	2:20p	62.1	9:05a	0.7	0.2	0.70	4.7	24.0	2:10p	SSW	14.4	124.3
13	59.2	68.2	4:25p	51.8	5:50a	6.0	0.3	0.01	4.0	17.0	3:00p	NNW	9.2	133.5
14	62.1	75.7	4:05p	46.7	5:45a	6.0	3.1	0.00	1.6	13.0	3:15p	N	12.1	145.6
15	65.3	79.8	4:35p	48.7	4:40a	4.8	5.1	0.00	1.5	11.0	1:20p	ESE	15.3	160.9
16	67.9	81.9	2:35p	53.2	5:50a	3.1	6.0	0.00	1.4	9.0	2:00p	SE	17.9	178.8
17	68.2	78.8	2:55p	56.7	4:15a	1.9	5.0	0.00	4.3	20.0	5:25p	SSW	18.2	197.0
18	64.1	71.1	3:10p	58.9	4:30a	1.8	0.8	0.00	5.3	19.0	1:10p	SSW	14.1	211.1
19	72.3	85.6	4:10p	62.5	4:50a	0.8	8.1	0.09	4.0	22.0	12:05a	SSW	22.3	233.4
20	78.9	91.0	2:25p	66.0	6:00a	0.0	13.9	0.00	1.9	12.0	8:55a	S	28.9	262.3
21	79.3	90.8	3:00p	67.8	6:50a	0.0	14.3	0.00	2.3	18.0	10:00a	ENE	29.3	291.6
22	70.9	77.8	4:05p	62.3	11:20p	0.1	6.0	0.00	2.6	13.0	10:10a	NNW	20.9	312.5
23	66.8	77.2	3:45p	57.9	6:15a	2.0	3.7	0.00	2.7	18.0	4:35p	NE	16.8	329.3
24	65.6	79.5	1:20p	51.3	5:55a	3.8	4.4	0.00	1.9	13.0	10:15a	NE	15.6	344.9
25	60.5	66.8	1:45p	51.8	12:00m	4.5	0.0	0.55	4.4	23.0	8:05p	NNW	10.5	355.4
26	59.0	67.3	5:40p	51.4	12:35a	6.2	0.2	0.06	4.6	26.0	1:45p	NNW	9.0	364.4
27	65.6	75.0	4:15p	56.7	5:55a	2.2	2.8	0.00	5.5	23.0	11:45a	NW	15.6	380.0
28	71.5	84.3	3:10p	56.8	6:45a	1.5	8.0	0.00	2.1	15.0	3:00p	NE	21.5	401.5
29	74.8	86.0	5:20p	66.1	11:40p	0.0	9.8	0.22	2.8	20.0	4:40a	W	24.8	426.3
30	73.9	85.9	3:40p	59.4	4:00a	0.9	9.8	0.00	2.8	21.0	2:55p	WSW	23.9	450.2
Parameter	**M. Mean**	**M. High**	**Day**	**M. Low**	**Day**	**Sum**	**Sum**	**Sum**	**M. Mean**	**M. High**	**Day**	**Month**	**Month**	**M. High**
Value	65.0	91.0	20	42.2	6	122.2	122.2	2.81	2.8	26.0	26	SSW	450.2	29.3

Days with Maximum Temperature in Excess of 90°F: 2
Days with Maximum Temperature Less Than 32°F: 0
Days with Minimum Temperature Less Than 32°F: 0
Days with Minimum Temperature Less Than 0°F: 0
Maximum Rain (inches): 0.70 on 6/12/2012
Days of Rain: 10 (>0.01 inches) 7 (>0.1 inches) 0 (>1 inch)
Heat Degree Base Temperature (°F): 65 Cold Degree Base Temperature (°F): 65 Method: Integration

Base Temperature for GDD (°F): 50
M.: Monthly

State University of New York College of Agriculture and Technology at Morrisville
Monthly Climatological Summary for July 2012

Station Location: Academic Quad

Summarized By Dr. Walid H. Shayya, School of Agriculture and Natural Resources

Elevation (ft): 1330 **Latitude: 42°53'46"N** **Longitude: 75°38'26"W** **City: Morrisville** **State: New York**

Day	Temperature (°F)					Heat	Cool	Rain	Wind Speed (mph)			Dominant	Growing Degree	Cumulative
	Mean	High	Time of High	Low	Time of Low	Degree	Degree	(inches)	Average	High	Time of High	Wind Dir.	Days (GDD)	GDD
1	72.8	83.0	3:05p	61.5	11:55p	0.2	7.9	0.00	2.9	18.0	5:25p	NNW	22.8	22.8
2	69.8	79.6	2:40p	60.0	12:55a	1.0	5.8	0.00	3.1	18.0	3:15p	NNW	19.8	42.6
3	72.0	85.0	2:15p	55.8	5:40a	1.9	8.9	0.00	2.0	13.0	12:50p	SW	22.0	64.6
4	76.9	86.9	5:35p	69.6	6:35a	0.0	11.9	0.00	3.2	17.0	1:20p	WSW	26.9	91.5
5	71.7	80.5	2:45p	60.2	11:55p	0.3	7.0	0.00	2.9	18.0	1:40p	NW	21.7	113.2
6	72.3	89.9	3:55p	53.6	5:55a	2.8	10.1	0.00	1.9	19.0	2:05p	ESE	22.3	135.5
7	69.3	78.0	9:30a	62.4	5:20a	0.4	4.6	0.10	1.6	14.0	4:35p	N	19.3	154.8
8	68.5	81.0	2:00p	56.6	5:20a	2.0	5.5	0.00	2.5	19.0	5:40p	NNW	18.5	173.3
9	65.8	77.3	2:25p	54.5	6:00a	3.4	4.3	0.00	2.3	16.0	4:20p	NNW	15.8	189.1
10	66.4	81.2	4:35p	52.1	1:55a	3.9	5.3	0.01	1.7	12.0	2:35p	NNW	16.4	205.5
11	68.8	84.9	4:30p	51.1	5:45a	3.7	7.5	0.00	1.5	11.0	1:05p	NNW	18.8	224.3
12	72.7	87.7	1:15p	56.7	3:10a	2.1	9.8	0.00	1.5	12.0	12:10p	SSE	22.7	247.0
13	75.4	89.1	4:50p	60.5	4:40a	0.7	11.0	0.00	1.4	11.0	1:30p	SSE	25.4	272.4
14	78.3	89.0	3:30p	67.5	6:15a	0.0	13.3	0.00	2.1	10.0	8:10p	SW	28.3	300.7
15	72.7	80.4	6:15p	66.1	11:50p	0.0	7.7	0.32	1.7	10.0	9:50a	SSW	22.7	323.4
16	73.6	83.8	3:40p	63.2	3:30a	0.1	8.7	0.01	2.3	17.0	2:35p	NW	23.6	347.0
17	81.2	93.9	2:55p	65.0	5:15a	0.0	16.2	0.00	4.7	29.0	4:25p	WSW	31.2	378.2
18	73.7	82.3	3:35p	61.3	11:50p	0.2	8.9	0.00	2.3	14.0	3:05p	NNW	23.7	401.9
19	67.8	81.1	2:20p	55.3	5:55a	2.2	5.0	0.00	2.2	17.0	1:45p	N	17.8	419.7
20	66.6	74.2	3:05p	60.5	4:55a	0.9	2.6	0.00	1.6	12.0	9:45a	SSE	16.6	436.3
21	67.8	80.6	3:50p	55.3	6:10a	2.4	5.2	0.00	1.0	9.0	1:45p	SSE	17.8	454.1
22	72.2	83.6	1:55p	59.5	6:20a	0.8	8.0	0.00	3.0	17.0	2:00p	SSW	22.2	476.3
23	76.4	90.0	4:00p	67.7	6:35a	0.0	11.4	0.19	4.5	20.0	10:40p	SSW	26.4	502.7
24	72.1	80.4	2:55p	58.1	12:00m	0.4	7.5	0.03	4.4	23.0	3:45p	NW	22.1	524.8
25	66.7	78.3	3:15p	53.2	5:55a	2.8	4.5	0.00	2.5	16.0	10:35a	NNW	16.7	541.5
26	71.6	85.1	2:35p	62.4	6:00a	0.3	7.0	0.26	4.0	22.0	3:05p	SW	21.6	563.1
27	71.1	80.8	3:20p	64.0	12:00m	0.0	6.1	0.40	2.1	12.0	11:35a	NNW	21.1	584.2
28	68.2	78.0	4:30p	61.7	6:15a	0.7	3.8	0.31	1.4	17.0	6:15p	NE	18.2	602.4
29	70.5	81.5	3:40p	60.4	11:55p	0.6	6.1	0.00	1.9	13.0	2:50p	NNW	20.5	622.9
30	70.8	85.3	4:05p	54.2	6:35a	2.6	8.4	0.00	2.1	13.0	1:15p	SSW	20.8	643.7
31	72.4	83.2	3:30p	63.7	11:45p	0.1	7.5	0.24	4.1	20.0	7:25p	SSE	22.4	666.1
Parameter	**M. Mean**	**M. High**	**Day**	**M. Low**	**Day**	**Sum**	**Sum**	**Sum**	**M. Mean**	**M. High**	**Day**	**Month**	**Month**	**M. High**
Value	71.5	93.9	17	51.1	11	36.5	237.5	1.87	2.5	29.0	17	NNW	666.1	31.2

Days with Maximum Temperature in Excess of 90°F: 2
Days with Maximum Temperature Less Than 32°F: 0
Days with Minimum Temperature Less Than 32°F: 0
Days with Minimum Temperature Less Than 0°F: 0
Maximum Rain (inches): 0.40 on 7/27/2012
Days of Rain: 8 (>0.01 inches) 6 (>0.1 inches) 0 (>1 inch)
Heat Degree Base Temperature (°F): 65 Cold Degree Base Temperature (°F): 65 Method: Integration

Base Temperature for GDD (°F): 50
M.: Monthly

State University of New York College of Agriculture and Technology at Morrisville
Monthly Climatological Summary for August 2012

Station Location: Academic Quad

Summarized By Dr. Walid H. Shayya, School of Agriculture and Natural Resources

Elevation (ft): 1330 **Latitude: 42°53'46"N** **Longitude: 75°38'26"W** **City: Morrisville** **State: New York**

Day	Temperature (°F)					Heat	Cool	Rain	Wind Speed (mph)			Dominant	Growing Degree	Cumulative
	Mean	High	Time of High	Low	Time of Low	Degree	Degree	(inches)	Average	High	Time of High	Wind Dir.	Days (GDD)	GDD
1	68.8	78.6	4:20p	62.1	6:10a	0.6	4.4	0.86	1.9	14.0	4:25p	S	18.8	18.8
2	71.1	84.5	2:15p	57.8	6:30a	1.7	7.8	0.01	1.5	12.0	1:30p	NE	21.1	39.9
3	74.9	89.2	3:30p	63.1	5:00a	0.2	10.1	0.00	1.5	12.0	12:25p	NE	24.9	64.8
4	77.5	91.2	3:25p	63.8	5:40a	0.1	12.6	0.00	3.3	18.0	12:40p	SSW	27.5	92.3
5	74.5	81.9	2:25p	67.1	11:40p	0.0	9.5	1.55	5.8	24.0	2:25p	SSW	24.5	116.8
6	65.9	74.3	2:55p	56.3	12:00m	1.6	2.5	0.01	2.3	16.0	1:00p	WNW	15.9	132.7
7	66.1	83.0	4:20p	49.7	6:15a	4.8	5.9	0.01	1.5	14.0	3:35p	E	16.1	148.8
8	70.9	86.8	4:25p	54.8	4:45a	2.8	8.7	0.00	1.9	14.0	1:15p	SW	20.9	169.7
9	72.9	86.7	1:40p	61.8	6:45a	0.4	8.3	0.00	2.1	17.0	2:20p	SSE	22.9	192.6
10	68.0	74.8	3:40p	63.8	7:50a	0.2	3.1	0.79	2.4	16.0	12:10a	SSE	18.0	210.6
11	72.8	82.1	3:30p	65.3	11:15p	0.0	7.8	0.00	3.7	20.0	4:30p	SSW	22.8	233.4
12	66.7	76.8	4:20p	58.5	5:00a	1.4	3.0	0.06	2.2	14.0	9:20a	SSW	16.7	250.1
13	66.9	77.7	4:50p	59.6	6:10a	1.4	3.3	0.03	1.6	13.0	3:15p	SW	16.9	267.0
14	66.7	79.1	3:05p	58.2	5:05a	2.3	4.0	0.25	2.1	15.0	11:50a	SE	16.7	283.7
15	66.7	75.3	2:15p	59.8	11:20p	1.3	3.0	0.02	1.3	9.0	2:15p	NNW	16.7	300.4
16	66.9	79.6	3:15p	56.8	5:10a	2.7	4.6	0.00	1.5	14.0	3:10p	NNW	16.9	317.3
17	65.4	72.2	11:20a	57.4	12:10a	1.4	1.8	0.00	2.0	12.0	1:00p	SSW	15.4	332.7
18	61.0	70.1	3:45p	50.9	12:00m	4.8	0.8	0.00	2.1	13.0	11:30a	N	11.0	343.7
19	59.3	74.8	3:50p	43.9	6:15a	7.9	2.2	0.00	0.9	9.0	4:10p	SE	9.3	353.0
20	61.6	73.2	4:35p	50.7	7:00a	5.2	1.8	0.00	1.2	11.0	4:40p	SSW	11.6	364.6
21	61.3	75.4	4:05p	47.5	6:25a	6.4	2.7	0.01	1.6	13.0	12:10p	SE	11.3	375.9
22	63.7	79.2	2:20p	48.3	6:10a	5.7	4.4	0.00	1.1	16.0	1:55p	ESE	13.7	389.6
23	66.2	80.4	4:55p	52.4	7:10a	3.9	5.1	0.00	1.3	11.0	3:05p	SE	16.2	405.8
24	68.4	84.2	3:45p	53.2	6:40a	3.4	6.7	0.00	0.9	10.0	1:40p	E	18.4	424.2
25	70.2	84.3	2:45p	56.6	5:50a	2.2	7.3	0.00	1.4	14.0	1:50p	SSE	20.2	444.4
26	70.7	83.3	4:45p	56.4	6:45a	1.8	7.5	0.00	2.3	16.0	2:55p	S	20.7	465.1
27	70.8	81.5	3:40p	63.5	6:25a	0.1	5.9	0.33	3.3	19.0	12:50p	SSW	20.8	485.9
28	68.5	76.4	2:50p	59.9	12:00m	0.4	3.9	0.38	3.1	20.0	1:35p	NNW	18.5	504.4
29	59.0	70.6	4:10p	48.2	6:45a	6.9	0.9	0.00	1.8	11.0	1:35p	NNW	9.0	513.4
30	61.7	79.6	4:40p	42.7	6:00a	7.4	4.1	0.01	2.0	14.0	12:35p	S	11.7	525.1
31	73.9	88.8	3:30p	52.8	6:40a	1.9	10.7	0.00	3.6	23.0	4:10p	SW	23.9	549.0
Parameter	**M. Mean**	**M. High**	**Day**	**M. Low**	**Day**	**Sum**	**Sum**	**Sum**	**M. Mean**	**M. High**	**Day**	**Month**	**Month**	**M. High**
Value	67.7	91.2	4	42.7	30	80.9	164.4	4.32	2.1	24.0	5	SSW	549.0	27.5

Days with Maximum Temperature in Excess of 90°F: 1
Days with Maximum Temperature Less Than 32°F: 0
Days with Minimum Temperature Less Than 32°F: 0
Days with Minimum Temperature Less Than 0°F: 0
Maximum Rain (inches): 1.55 on 8/5/2012
Days of Rain: 9 (>0.01 inches) 6 (>0.1 inches) 1 (>1 inch)
Heat Degree Base Temperature (°F): 65 Cold Degree Base Temperature (°F): 65 Method: Integration

Base Temperature for GDD (°F): 50
M.: Monthly

State University of New York College of Agriculture and Technology at Morrisville
Monthly Climatological Summary for September 2012

Station Location: Academic Quad

Summarized By Dr. Walid H. Shayya, School of Agriculture and Natural Resources

Elevation (ft): 1330 **Latitude: 42°53'46"N** **Longitude: 75°38'26"W** **City: Morrisville** **State: New York**

Day	Temperature (°F)					Heat	Cool	Rain	Wind Speed (mph)			Dominant	Growing Degree	Cumulative
	Mean	High	Time of High	Low	Time of Low	Degree	Degree	(inches)	Average	High	Time of High	Wind Dir.	Days (GDD)	GDD
1	70.4	80.5	3:15p	56.2	12:00m	0.9	6.4	0.00	2.2	15.0	12:05p	NNW	20.4	20.4
2	64.8	81.0	2:25p	50.9	6:45a	5.0	4.8	0.00	1.1	10.0	1:25p	E	14.8	35.2
3	63.8	74.8	12:50p	52.4	6:20a	3.7	2.5	0.04	3.0	19.0	2:00p	SSE	13.8	49.0
4	70.1	77.8	3:50p	64.4	12:05a	0.0	5.1	0.27	3.7	15.0	10:30p	SSW	20.1	69.1
5	68.1	77.3	5:05p	60.2	12:00m	0.7	3.8	0.04	2.6	15.0	12:10a	NNW	18.1	87.2
6	68.7	83.6	1:40p	57.8	3:05a	1.9	5.6	0.06	1.5	15.0	2:50p	SSW	18.7	105.9
7	69.6	81.3	3:50p	60.6	6:40a	0.9	5.5	0.01	1.4	11.0	11:40a	S	19.6	125.5
8	65.6	74.6	11:55a	53.8	12:00m	2.1	2.6	0.17	4.9	29.0	11:40a	SSW	15.6	141.1
9	57.6	70.2	1:30p	48.7	6:55a	7.7	0.3	0.00	2.2	15.0	2:05p	NNW	7.6	148.7
10	53.4	62.2	3:05p	43.4	12:00m	11.6	0.0	0.00	2.9	21.0	3:20p	NNW	3.4	152.1
11	54.2	72.8	4:45p	37.2	6:10a	12.1	1.3	0.00	1.1	11.0	2:45p	WNW	4.2	156.3
12	60.7	78.8	3:30p	44.0	7:20a	8.1	3.8	0.00	2.0	15.0	12:05p	SSW	10.7	167.0
13	65.3	82.6	3:40p	49.6	6:20a	5.0	5.3	0.00	1.9	14.0	1:10p	SSW	15.3	182.3
14	65.8	78.2	3:45p	54.4	6:55a	3.2	4.0	0.34	3.0	28.0	7:40p	SSW	15.8	198.1
15	55.4	63.8	1:50p	49.5	10:15p	9.6	0.0	0.01	2.7	16.0	1:15p	NW	5.4	203.5
16	54.8	65.1	3:45p	44.6	7:40a	10.2	0.0	0.00	1.8	15.0	1:20p	NW	4.8	208.3
17	59.4	75.1	1:20p	44.7	6:40a	7.9	2.3	0.00	1.8	15.0	3:20p	SSW	9.4	217.7
18	62.4	70.8	2:50p	53.2	11:50p	3.2	0.6	1.02	5.1	29.0	2:50p	SSW	12.4	230.1
19	50.2	56.6	2:35p	40.3	11:50p	14.8	0.0	0.03	2.7	15.0	9:35a	WNW	0.2	230.3
20	51.9	66.5	3:45p	35.0	6:50a	13.2	0.1	0.01	3.3	19.0	1:05p	SSE	1.9	232.2
21	61.6	70.8	1:35p	53.6	1:55a	4.4	1.0	0.00	4.7	19.0	3:50p	SSW	11.6	243.8
22	59.5	67.0	2:25p	51.0	11:15p	5.5	0.1	0.22	3.7	23.0	7:40a	SSE	9.5	253.3
23	50.4	59.8	2:25p	40.2	11:50p	14.6	0.0	0.04	3.2	23.0	12:55a	WSW	0.4	253.7
24	47.5	59.3	4:15p	36.2	7:10a	17.5	0.0	0.00	2.0	16.0	12:45p	SSW	0.0	253.7
25	56.3	68.8	3:25p	45.6	4:00a	9.0	0.4	0.06	5.4	20.0	9:05p	SSW	6.3	260.0
26	59.1	64.5	3:15p	52.2	12:25a	5.9	0.0	0.36	3.4	14.0	4:15a	SSW	9.1	269.1
27	54.2	62.2	2:10p	44.2	11:45p	10.8	0.0	0.00	1.5	11.0	12:50p	NNW	4.2	273.3
28	51.4	55.3	1:05p	44.6	12:05a	13.6	0.0	0.12	1.3	8.0	9:15p	N	1.4	274.7
29	53.7	60.6	1:50p	49.9	12:00m	11.3	0.0	0.03	2.5	11.0	10:55a	N	3.7	278.4
30	51.9	58.6	2:35p	49.9	12:05a	13.1	0.0	0.19	1.7	12.0	5:05p	NNW	1.9	280.3
Parameter	**M. Mean**	**M. High**	**Day**	**M. Low**	**Day**	**Sum**	**Sum**	**Sum**	**M. Mean**	**M. High**	**Day**	**Month**	**Month**	**M. High**
Value	59.3	83.6	6	35.0	20	227.5	55.5	3.02	2.7	29.0	8	SSW	280.3	20.4

Days with Maximum Temperature in Excess of 90°F: 0

Days with Maximum Temperature Less Than 32°F: 0

Days with Minimum Temperature Less Than 32°F: 0

Days with Minimum Temperature Less Than 0°F: 0

Maximum Rain (inches): 1.02 on 9/18/2012

Days of Rain: 15 (>0.01 inches) 8 (>0.1 inches) 1 (>1 inch)

Heat Degree Base Temperature (°F): 65 Cold Degree Base Temperature (°F): 65 Method: Integration

Base Temperature for GDD (°F): 50

M.: Monthly

State University of New York College of Agriculture and Technology at Morrisville
Monthly Climatological Summary for October 2012

Station Location: Academic Quad

Summarized By Dr. Walid H. Shayya, School of Agriculture and Natural Resources

Elevation (ft): 1330 **Latitude: 42°53'46"N** **Longitude: 75°38'26"W** **City: Morrisville** **State: New York**

Day	Temperature (°F)					Heat	Cool	Rain	Wind Speed (mph)			Dominant	Growing Degree	Cumulative
	Mean	High	Time of High	Low	Time of Low	Degree	Degree	(inches)	Average	High	Time of High	Wind Dir.	Days (GDD)	GDD
1	54.4	63.0	4:00p	49.0	11:00p	10.6	0.0	0.06	4.1	23.0	11:35a	W	4.4	4.4
2	57.1	65.6	12:50p	48.1	2:45a	7.9	0.0	0.00	2.1	14.0	12:50p	SSE	7.1	11.5
3	63.7	69.2	3:30p	59.2	12:05a	2.1	0.8	0.10	1.1	8.0	11:35a	S	13.7	25.2
4	61.2	69.3	4:25p	52.1	10:55p	4.2	0.4	0.01	0.7	9.0	4:00p	NW	11.2	36.4
5	58.9	71.9	4:20p	45.3	6:35a	7.2	1.2	0.23	1.4	13.0	2:35p	SW	8.9	45.3
6	52.3	60.2	5:00a	42.7	12:00m	12.7	0.0	0.13	3.2	20.0	5:10p	W	2.3	47.6
7	45.1	51.0	3:25p	41.4	11:55p	19.9	0.0	0.17	2.4	12.0	1:10p	WSW	0.0	47.6
8	44.0	51.8	2:35p	35.2	12:00m	21.0	0.0	0.01	1.4	11.0	5:00a	SSE	0.0	47.6
9	46.4	59.6	2:30p	31.6	4:30a	18.6	0.0	0.00	1.8	12.0	12:45p	SSE	0.0	47.6
10	50.2	57.5	11:50a	42.6	12:00m	14.8	0.0	0.14	3.7	22.0	1:25p	SSW	0.2	47.8
11	45.0	51.8	4:30p	38.9	7:45a	20.0	0.0	0.01	5.3	29.0	4:15a	WSW	0.0	47.8
12	40.7	49.9	2:20a	28.4	12:00m	24.3	0.0	0.26	4.5	24.0	3:15p	NNW	0.0	47.8
13	38.4	49.7	2:20p	24.1	6:10a	26.6	0.0	0.07	2.8	19.0	11:20p	SSW	0.0	47.8
14	54.7	69.1	3:25p	42.6	12:45a	10.6	0.3	0.55	7.6	22.0	3:45a	SSW	4.7	52.5
15	58.5	64.2	11:10a	46.1	12:00m	6.5	0.0	0.01	6.3	22.0	10:10p	SSW	8.5	61.0
16	41.8	49.1	3:15p	32.4	11:50p	23.3	0.0	0.03	4.4	21.0	2:00a	NW	0.0	61.0
17	46.0	64.1	3:25p	30.2	5:30a	19.0	0.0	0.01	1.3	11.0	2:15p	SE	0.0	61.0
18	54.4	61.7	1:20p	46.4	5:55a	10.6	0.0	0.00	4.7	24.0	2:00p	SSE	4.4	65.4
19	54.1	61.2	4:20p	48.7	5:25a	10.9	0.0	1.47	1.3	20.0	11:40p	SSE	4.1	69.5
20	50.8	56.8	2:45p	41.6	10:10p	14.2	0.0	0.03	2.7	18.0	2:05p	SSW	0.8	70.3
21	51.0	57.7	12:50p	45.4	12:05a	14.0	0.0	0.00	5.5	24.0	3:00p	W	1.0	71.3
22	51.1	61.2	3:20p	42.1	11:35p	13.9	0.0	0.00	4.1	21.0	2:05p	WNW	1.1	72.4
23	46.8	52.6	1:40p	38.4	5:40a	18.2	0.0	0.29	0.4	6.0	1:35p	SSE	0.0	72.4
24	52.8	55.2	4:10p	50.5	7:30a	12.2	0.0	0.00	1.0	8.0	4:55a	SSE	2.8	75.2
25	57.5	65.6	2:25p	53.8	1:05a	7.5	0.0	0.00	3.8	20.0	11:55p	SSE	7.5	82.7
26	59.5	65.6	2:05p	56.4	12:15a	5.5	0.0	0.00	4.9	21.0	11:05a	SSW	9.5	92.2
27	57.8	64.6	1:40p	52.2	7:10a	7.2	0.0	0.00	1.2	12.0	1:55a	SSE	7.8	100.0
28	47.3	54.1	12:05a	44.7	11:35p	17.7	0.0	0.00	2.9	11.0	12:15a	N	0.0	100.0
29	49.2	58.5	11:25p	44.6	12:15a	15.8	0.0	0.57	6.4	27.0	5:05p	N	0.0	100.0
30	52.1	58.9	12:50a	46.3	11:55p	12.9	0.0	0.17	4.5	31.0	1:45a	ESE	2.1	102.1
31	41.4	46.3	12:05a	39.9	10:15p	23.6	0.0	0.11	3.8	16.0	2:20p	SSW	0.0	102.1
Parameter	**M. Mean**	**M. High**	**Day**	**M. Low**	**Day**	**Sum**	**Sum**	**Sum**	**M. Mean**	**M. High**	**Day**	**Month**	**Month**	**M. High**
Value	51.1	71.9	5	24.1	13	433.5	2.7	4.43	3.3	31.0	30	SSW	102.1	13.7

Days with Maximum Temperature in Excess of 90°F: 0
Days with Maximum Temperature Less Than 32°F: 0
Days with Minimum Temperature Less Than 32°F: 4
Days with Minimum Temperature Less Than 0°F: 0
Maximum Rain (inches): 1.47 on 10/19/2012
Days of Rain: 16 (>0.01 inches) 11 (>0.1 inches) 1 (>1 inch)
Heat Degree Base Temperature (°F): 65 Cold Degree Base Temperature (°F): 65 Method: Integration

Base Temperature for GDD (°F): 50
M.: Monthly

State University of New York College of Agriculture and Technology at Morrisville
Monthly Climatological Summary for November 2012

Station Location: Academic Quad

Summarized By Dr. Walid H. Shayya, School of Agriculture and Natural Resources

Elevation (ft): 1330 **Latitude: 42°53'46"N** **Longitude: 75°38'26"W** **City: Morrisville** **State: New York**

Day	Temperature (°F)					Heat	Cool	Rain	Wind Speed (mph)			Dominant	Growing Degree	Cumulative
	Mean	High	Time of High	Low	Time of Low	Degree	Degree	(inches)	Average	High	Time of High	Wind Dir.	Days (GDD)	GDD
1	41.6	43.6	2:35p	39.5	11:15p	23.4	0.0	0.14	4.2	16.0	2:15p	SSW	0.0	0.0
2	37.7	39.6	12:15a	35.2	7:20p	27.3	0.0	0.13	4.8	19.0	4:40p	W	0.0	0.0
3	35.5	37.8	3:25p	33.9	8:25a	29.5	0.0	0.11	5.1	18.0	3:25a	NW	0.0	0.0
4	33.9	36.1	12:30p	32.2	11:55p	31.1	0.0	0.06	3.9	15.0	11:35a	NNW	0.0	0.0
5	32.1	35.6	1:40p	30.4	12:00m	32.9	0.0	0.00	3.2	16.0	2:20p	N	0.0	0.0
6	30.2	38.9	2:30p	22.8	6:45a	34.8	0.0	0.00	0.9	12.0	2:10p	E	0.0	0.0
7	29.2	35.4	3:50p	19.9	5:00a	35.8	0.0	0.00	1.8	11.0	11:40a	NNW	0.0	0.0
8	31.3	37.2	2:05p	27.0	12:00m	33.7	0.0	0.00	5.7	23.0	2:25p	NNW	0.0	0.0
9	36.5	42.4	9:35p	25.6	5:35a	28.5	0.0	0.00	2.0	19.0	11:30a	NW	0.0	0.0
10	44.8	48.8	2:05p	40.4	6:10a	20.2	0.0	0.00	1.5	15.0	11:15p	SSE	0.0	0.0
11	56.7	69.6	2:40p	45.7	6:10a	8.8	0.4	0.08	4.2	16.0	10:45a	SSW	6.7	6.7
12	58.3	64.8	12:05p	43.2	12:00m	6.7	0.0	0.34	7.0	26.0	11:35a	SSW	8.3	15.0
13	36.0	43.2	12:05a	33.8	4:50a	29.0	0.0	0.35	3.1	20.0	12:05a	NW	0.0	15.0
14	33.1	40.5	2:35p	25.5	11:45p	31.9	0.0	0.00	1.3	12.0	11:25a	NNW	0.0	15.0
15	30.6	43.0	2:55p	24.1	3:20a	34.4	0.0	0.00	0.5	7.0	9:40a	SSE	0.0	15.0
16	32.1	43.0	3:05p	22.8	5:40a	32.9	0.0	0.01	1.8	16.0	11:20a	NNW	0.0	15.0
17	32.0	45.1	2:05p	24.2	6:45a	33.0	0.0	0.00	0.6	9.0	12:50p	SSW	0.0	15.0
18	32.5	47.1	2:35p	21.4	7:40a	32.5	0.0	0.01	0.8	10.0	11:00a	SE	0.0	15.0
19	34.0	49.8	3:10p	23.4	5:30a	31.0	0.0	0.00	0.8	10.0	1:30p	SSE	0.0	15.0
20	35.3	49.2	12:55p	26.7	7:35a	29.7	0.0	0.00	0.4	6.0	1:45p	NNE	0.0	15.0
21	37.3	52.5	1:45p	28.8	12:00m	27.7	0.0	0.00	0.7	8.0	2:55p	ENE	0.0	15.0
22	39.8	58.7	2:05p	26.0	4:15a	25.2	0.0	0.01	1.0	9.0	3:30p	SSE	0.0	15.0
23	44.3	54.2	12:20p	37.7	5:55a	20.7	0.0	0.02	5.4	24.0	12:35p	SSW	0.0	15.0
24	30.9	38.3	12:05a	27.7	9:55p	34.1	0.0	0.00	7.4	27.0	12:20a	W	0.0	15.0
25	29.4	32.1	12:25p	26.8	6:00a	35.6	0.0	0.00	4.5	19.0	12:55p	SW	0.0	15.0
26	32.5	34.3	2:20p	30.4	12:05a	32.5	0.0	0.02	3.2	20.0	4:20a	WSW	0.0	15.0
27	31.5	35.9	12:55p	26.5	7:10a	33.5	0.0	0.03	1.3	10.0	9:55a	WNW	0.0	15.0
28	30.9	33.3	1:15p	26.5	7:50a	34.1	0.0	0.00	3.6	21.0	9:35p	SW	0.0	15.0
29	35.7	42.0	2:30p	29.5	7:50a	29.3	0.0	0.04	4.4	23.0	2:05p	WSW	0.0	15.0
30	27.2	36.9	12:05a	24.8	7:55a	37.8	0.0	0.00	2.0	12.0	12:40a	E	0.0	15.0
Parameter	**M. Mean**	**M. High**	**Day**	**M. Low**	**Day**	**Sum**	**Sum**	**Sum**	**M. Mean**	**M. High**	**Day**	**Month**	**Month**	**M. High**
Value	35.8	69.6	11	19.9	7	877.6	0.4	1.35	2.9	27.0	24	NW	15.0	8.3

Days with Maximum Temperature in Excess of 90°F: 0
Days with Maximum Temperature Less Than 32°F: 0
Days with Minimum Temperature Less Than 32°F: 21
Days with Minimum Temperature Less Than 0°F: 0
Maximum Rain (inches): 0.35 on 11/13/2012
Days of Rain: 11 (>0.01 inches) 5 (>0.1 inches) 0 (>1 inch)
Heat Degree Base Temperature (°F): 65 Cold Degree Base Temperature (°F): 65 Method: Integration

Base Temperature for GDD (°F): 50
M.: Monthly

State University of New York College of Agriculture and Technology at Morrisville
Monthly Climatological Summary for December 2012

Station Location: Academic Quad

Summarized By Dr. Walid H. Shayya, School of Agriculture and Natural Resources

Elevation (ft): 1330 **Latitude: 42°53'46"N** **Longitude: 75°38'26"W** **City: Morrisville** **State: New York**

Day	Temperature (°F)					Heat	Cool	Rain	Wind Speed (mph)			Dominant	Growing Degree	Cumulative
	Mean	High	Time of High	Low	Time of Low	Degree	Degree	(inches)	Average	High	Time of High	Wind Dir.	Days (GDD)	GDD
1	34.2	38.6	12:00m	26.7	12:05a	30.8	0.0	0.01	4.2	19.0	11:55p	SSE	0.0	0.0
2	44.0	49.8	12:00m	38.5	12:05a	21.0	0.0	0.27	6.0	21.0	12:45a	SSW	0.0	0.0
3	42.7	50.8	12:55a	35.4	9:20p	22.3	0.0	0.01	2.1	15.0	1:20a	WNW	0.0	0.0
4	54.6	66.0	2:15p	36.4	12:25a	10.5	0.0	0.25	6.0	25.0	2:10p	SSW	4.6	4.6
5	35.0	47.0	12:05a	24.6	11:00p	30.0	0.0	0.22	5.6	24.0	3:15p	NW	0.0	4.6
6	28.2	34.2	3:10p	22.1	7:20a	36.8	0.0	0.02	2.6	14.0	11:50p	SSE	0.0	4.6
7	34.8	38.0	10:40a	31.7	7:35a	30.2	0.0	0.10	3.6	17.0	1:00a	SSW	0.0	4.6
8	41.2	48.4	6:40p	35.9	12:05a	23.8	0.0	0.09	3.3	19.0	11:20p	SSE	0.0	4.6
9	36.9	40.7	3:30p	32.2	7:45a	28.1	0.0	0.05	3.4	19.0	10:55p	SSE	0.0	4.6
10	44.0	52.2	2:35p	35.0	9:55p	21.0	0.0	0.68	5.1	22.0	8:20a	SSW	0.0	4.6
11	30.9	36.2	12:30a	26.0	12:00m	34.1	0.0	0.02	3.0	17.0	11:15a	NW	0.0	4.6
12	31.9	38.3	1:25p	24.0	1:05a	33.1	0.0	0.01	2.3	15.0	12:20p	WSW	0.0	4.6
13	33.0	41.1	2:15p	28.1	8:15a	32.0	0.0	0.00	0.8	12.0	1:55p	SSW	0.0	4.6
14	34.5	41.4	1:20p	27.3	7:30a	30.5	0.0	0.00	2.2	16.0	11:40a	WNW	0.0	4.6
15	35.3	40.9	1:45p	29.8	7:50a	29.7	0.0	0.00	1.1	14.0	11:45p	NNW	0.0	4.6
16	40.0	42.4	2:00p	35.2	12:05a	25.0	0.0	0.06	6.5	25.0	7:20a	SSE	0.0	4.6
17	40.8	42.9	3:25p	38.6	7:30a	24.2	0.0	0.52	3.5	15.0	12:30a	SSE	0.0	4.6
18	39.5	44.6	11:30a	35.6	5:45p	25.5	0.0	0.52	3.1	20.0	11:45p	WNW	0.0	4.6
19	35.4	39.5	12:35p	30.7	11:25p	29.6	0.0	0.03	6.0	23.0	2:40p	NW	0.0	4.6
20	31.0	37.8	6:15p	21.3	8:00a	34.0	0.0	0.00	3.3	27.0	9:05p	SSE	0.0	4.6
21	34.9	41.4	5:35a	32.9	2:50p	30.1	0.0	0.99	4.8	25.0	1:40a	WSW	0.0	4.6
22	27.1	33.1	12:05a	24.3	7:50a	37.9	0.0	0.01	8.3	31.0	11:15a	WNW	0.0	4.6
23	30.1	33.9	2:05p	27.7	12:05a	34.9	0.0	0.08	5.2	19.0	2:00a	WSW	0.0	4.6
24	27.6	31.6	12:55p	22.9	8:00p	37.4	0.0	0.01	1.8	19.0	12:30a	SSE	0.0	4.6
25	24.4	28.9	8:55a	12.2	11:00p	40.6	0.0	0.00	2.2	12.0	9:45a	NW	0.0	4.6
26	18.1	26.7	3:05p	5.8	5:55a	46.9	0.0	0.00	1.8	19.0	10:05p	NNW	0.0	4.6
27	23.7	27.8	2:15a	20.3	7:00a	41.3	0.0	0.00	5.7	23.0	5:00p	NW	0.0	4.6
28	24.9	26.9	1:25p	22.9	12:05a	40.1	0.0	0.00	3.5	16.0	2:45a	NW	0.0	4.6
29	25.6	28.8	1:15p	20.1	12:00m	39.4	0.0	0.00	2.0	18.0	10:10p	SSE	0.0	4.6
30	20.6	22.6	12:40p	18.0	3:45a	44.4	0.0	0.00	6.0	25.0	6:40a	NW	0.0	4.6
31	28.1	32.3	2:20p	21.4	12:20a	36.9	0.0	0.01	3.4	18.0	9:40p	SSW	0.0	4.6
Parameter	**M. Mean**	**M. High**	**Day**	**M. Low**	**Day**	**Sum**	**Sum**	**Sum**	**M. Mean**	**M. High**	**Day**	**Month**	**Month**	**M. High**
Value	33.3	66.0	4	5.8	26	982.1	0	3.96	3.8	31.0	22	SSE	4.6	4.6

Days with Maximum Temperature in Excess of 90°F: 0

Days with Maximum Temperature Less Than 32°F: 7

Days with Minimum Temperature Less Than 32°F: 21

Days with Minimum Temperature Less Than 0°F: 0

Maximum Rain (inches): 0.99 on 12/21/2012

Days of Rain: 15 (>0.01 inches) 7 (>0.1 inches) 0 (>1 inch)

Heat Degree Base Temperature (°F): 65 Cold Degree Base Temperature (°F): 65 Method: Integration

Base Temperature for GDD (°F): 50

M.: Monthly