State University of New York College of Agriculture and Technology at Morrisville
Monthly Climatological Summary for January 2019

Station Location: Academic Quad

Summarized By Dr. Walid H. Shayya, School of Agriculture, Business, and Technology

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	36.4	51.4	5:40a	25.5	11:50p	28.6	0.0	0.07	8.2	45.0	6:45a	NW	0.0	0.0
2	26.6	32.3	12:00m	19.1	8:20a	38.4	0.0	0.00	1.8	15.0	10:40p	SSE	0.0	0.0
3	32.2	35.8	5:55a	30.2	7:30p	32.8	0.0	0.00	4.4	25.0	7:00a	W	0.0	0.0
4	35.3	43.7	1:15p	28.3	5:20a	29.7	0.0	0.06	3.3	16.0	12:10p	SSW	0.0	0.0
5	35.1	42.1	2:30p	29.2	4:35a	29.9	0.0	0.02	3.0	21.0	5:30p	NW	0.0	0.0
6	29.2	36.2	6:45a	15.3	12:00m	35.8	0.0	0.09	5.9	20.0	10:50a	NNW	0.0	0.0
7	18.2	29.4	10:05p	7.3	7:15a	46.8	0.0	0.00	3.6	29.0	9:30p	SSE	0.0	0.0
8	35.3	40.7	1:35p	26.8	12:50a	29.7	0.0	0.26	5.3	27.0	3:25a	SSW	0.0	0.0
9	31.1	38.2	12:05a	25.4	11:40p	33.9	0.0	0.32	5.3	28.0	3:50p	W	0.0	0.0
10	21.3	25.4	12:05a	14.0	12:00m	43.7	0.0	0.00	9.3	27.0	8:45p	NW	0.0	0.0
11	11.2	14.0	12:05a	9.2	8:40a	53.8	0.0	0.00	5.7	25.0	12:50a	NW	0.0	0.0
12	13.8	20.2	2:15p	7.7	10:15p	51.2	0.0	0.00	1.2	10.0	12:15p	NNW	0.0	0.0
13	10.2	21.7	3:05p	0.6	8:15a	54.8	0.0	0.00	0.6	7.0	12:35p	N	0.0	0.0
14	9.6	24.0	4:20p	-2.0	7:30a	55.4	0.0	0.00	0.6	9.0	1:35p	NNW	0.0	0.0
15	23.2	28.8	2:30p	8.6	12:05a	41.8	0.0	0.00	1.7	15.0	3:20p	WSW	0.0	0.0
16	25.8	33.0	1:45p	14.8	12:00m	39.2	0.0	0.01	5.4	25.0	6:35p	SSW	0.0	0.0
17	13.5	23.9	10:10p	-0.7	8:10a	51.5	0.0	0.00	1.4	16.0	10:05p	NNW	0.0	0.0
18	27.4	32.2	12:25p	22.5	12:10a	37.6	0.0	0.00	3.9	16.0	1:35a	SSW	0.0	0.0
19	20.9	26.3	12:05a	17.5	9:30a	44.1	0.0	0.00	1.5	12.0	11:50p	NNW	0.0	0.0
20	9.3	20.7	2:30a	-6.1	12:00m	55.7	0.0	0.00	5.9	29.0	1:40p	NNW	0.0	0.0
21	-1.1	7.2	9:55p	-8.8	7:15a	66.1	0.0	0.00	7.4	30.0	2:10p	NW	0.0	0.0
22	12.5	21.8	11:50p	0.4	4:00a	52.5	0.0	0.00	3.2	22.0	11:45p	SSE	0.0	0.0
23	31.2	42.8	11:55p	21.8	12:05a	33.8	0.0	0.25	6.9	28.0	2:30p	SSW	0.0	0.0
24	36.1	46.9	8:40a	26.1	11:50p	28.9	0.0	0.61	5.8	24.0	5:20p	NW	0.0	0.0
25	22.0	27.1	4:20a	9.0	12:00m	43.0	0.0	0.00	4.9	27.0	10:40a	SW	0.0	0.0
26	14.3	22.2	2:05p	8.9	12:05a	50.7	0.0	0.00	2.2	15.0	1:20p	SSW	0.0	0.0
27	22.2	31.4	11:55a	11.0	12:00m	42.8	0.0	0.00	4.3	28.0	7:10a	SSW	0.0	0.0
28	14.0	22.2	12:00m	6.9	6:20a	51.0	0.0	0.00	2.2	17.0	9:50p	SSE	0.0	0.0
29	24.0	28.1	8:50p	18.2	12:00m	41.0	0.0	0.00	5.1	25.0	8:30a	SSW	0.0	0.0
30	6.6	18.2	12:05a	-3.9	12:00m	58.4	0.0	0.00	5.4	30.0	4:40p	WSW	0.0	0.0
31	1.3	10.0	2:10p	-6.5	7:30a	63.7	0.0	0.00	5.5	26.0	9:50a	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	20.9	51.4	1	-8.8	21	1366.3	0	1.69	4.2	45.0	1	SSW	0.0	0.0

Days with Maximum Temperature in Excess of 90°F: 0 Base Temperature for GDD (°F): 50
Days with Maximum Temperature Less Than 32°F: 19 M.: Monthly
Days with Minimum Temperature Less Than 32°F: 31
Days with Minimum Temperature Less Than 0°F: 6
Maximum Rain (inches): 0.61 on 1/24/2019
Days of Rain: 8 (>0.01 inches) 4 (>0.1 inches) 0 (>1 inch)
Heat Degree Base Temperature (°F): 65 Cold Degree Base Temperature (°F): 65 Method: Integration

State University of New York College of Agriculture and Technology at Morrisville
Monthly Climatological Summary for February 2019

Station Location: Academic Quad

Summarized By Dr. Walid H. Shayya, School of Agriculture, Business, and Technology

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	6.0	17.8	1:50p	-4.6	12:00m	59.0	0.0	0.00	2.9	22.0	2:30a	WSW	0.0	0.0
2	15.3	31.2	6:30p	-5.8	12:40a	49.7	0.0	0.00	1.9	15.0	2:15p	SSE	0.0	0.0
3	38.5	49.4	2:35p	28.5	1:35a	26.5	0.0	0.10	3.3	20.0	7:50p	SSW	0.0	0.0
4	49.3	60.3	3:05p	43.4	12:45a	15.7	0.0	0.00	3.3	22.0	11:30p	SSW	0.0	0.0
5	39.5	49.7	12:05a	26.1	11:35p	25.5	0.0	0.10	4.3	18.0	12:15a	NW	0.0	0.0
6	32.0	38.5	8:55p	23.5	2:55a	33.0	0.0	0.23	2.9	21.0	4:35p	SSE	0.0	0.0
7	40.6	45.9	4:15p	36.5	2:20a	24.4	0.0	0.13	2.8	19.0	6:15p	SSE	0.0	0.0
8	33.1	50.1	6:05a	18.4	12:00m	31.9	0.0	0.15	9.7	39.0	6:15p	W	0.0	0.0
9	18.4	24.1	2:50p	14.4	6:40a	46.6	0.0	0.00	7.9	40.0	12:20a	W	0.0	0.0
10	21.9	28.4	3:50p	18.2	7:15a	43.1	0.0	0.00	2.1	15.0	12:40a	W	0.0	0.0
11	24.4	29.8	2:50p	21.0	11:55p	40.6	0.0	0.00	1.5	10.0	1:30p	NE	0.0	0.0
12	22.9	32.2	12:00m	19.0	5:40a	42.1	0.0	0.00	3.7	21.0	2:15p	ESE	0.0	0.0
13	29.1	34.0	1:45a	22.9	11:20p	35.9	0.0	0.02	4.9	24.0	3:45p	WSW	0.0	0.0
14	29.6	38.0	4:00p	23.0	12:35a	35.4	0.0	0.15	5.3	25.0	2:45a	WSW	0.0	0.0
15	37.9	49.1	1:00p	28.2	11:40p	27.1	0.0	0.54	6.3	24.0	12:00p	SSW	0.0	0.0
16	23.7	28.4	12:05a	17.5	12:00m	41.3	0.0	0.00	5.4	21.0	9:30a	W	0.0	0.0
17	23.1	30.3	1:50p	15.1	1:55a	41.9	0.0	0.02	1.1	11.0	10:50a	ESE	0.0	0.0
18	21.5	26.3	9:45a	16.5	9:00p	43.5	0.0	0.00	3.7	23.0	1:45p	NW	0.0	0.0
19	13.5	21.4	3:30p	4.4	7:10a	51.5	0.0	0.01	2.6	16.0	12:10p	NW	0.0	0.0
20	18.6	30.8	12:00m	5.2	4:35a	46.4	0.0	0.00	3.7	23.0	5:45p	SSE	0.0	0.0
21	35.4	38.4	10:30a	30.8	12:05a	29.6	0.0	0.04	7.1	31.0	10:10a	W	0.0	0.0
22	29.4	32.6	12:05a	23.1	11:10p	35.6	0.0	0.00	3.6	18.0	1:05a	NW	0.0	0.0
23	28.4	38.9	4:50p	15.5	6:20a	36.6	0.0	0.04	2.4	17.0	11:40p	SSE	0.0	0.0
24	37.1	45.4	11:25a	29.0	11:45p	27.9	0.0	0.14	6.7	39.0	11:20p	SSE	0.0	0.0
25	23.4	30.2	12:25a	17.7	11:50p	41.6	0.0	0.00	13.6	45.0	4:55a	W	0.0	0.0
26	15.4	18.0	2:15p	11.9	8:20a	49.6	0.0	0.00	5.3	24.0	12:35a	NW	0.0	0.0
27	11.6	19.1	11:25p	3.0	4:15a	53.4	0.0	0.00	1.4	10.0	3:20p	ESE	0.0	0.0
28	15.6	23.6	3:25p	10.8	7:25a	49.4	0.0	0.04	2.7	17.0	1:30a	NW	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	26.3	60.3	4	-5.8	2	1084.8	0	1.71	4.4	45.0	25	W	0.0	0.0

Days with Maximum Temperature in Excess of 90°F: 0 Base Temperature for GDD (°F): 50
Days with Maximum Temperature Less Than 32°F: 14 M.: Monthly
Days with Minimum Temperature Less Than 32°F: 26
Days with Minimum Temperature Less Than 0°F: 2
Maximum Rain (inches): 0.54 on 2/15/2019
Days of Rain: 13 (>0.01 inches) 6 (>0.1 inches) 0 (>1 inch)
Heat Degree Base Temperature (°F): 65 Cold Degree Base Temperature (°F): 65 Method: Integration

State University of New York College of Agriculture and Technology at Morrisville
Monthly Climatological Summary for March 2019

Station Location: Academic Quad

Summarized By Dr. Walid H. Shayya, School of Agriculture, Business, and Technology

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	26.2	38.6	3:20p	12.9	12:25a	38.8	0.0	0.17	1.1	9.0	12:25p	SSE	0.0	0.0
2	30.1	36.2	1:20p	24.9	2:40a	34.9	0.0	0.00	1.6	16.0	9:10p	NW	0.0	0.0
3	27.3	31.2	1:45p	24.6	6:25a	37.7	0.0	0.02	1.7	13.0	12:20a	N	0.0	0.0
4	19.9	25.2	12:05a	11.0	10:15p	45.1	0.0	0.00	4.8	24.0	11:45a	NW	0.0	0.0
5	14.2	22.4	1:30p	7.8	5:50a	50.8	0.0	0.01	4.9	21.0	9:15p	SW	0.0	0.0
6	11.9	16.6	1:00p	8.6	10:40p	53.1	0.0	0.00	5.7	24.0	4:25p	WSW	0.0	0.0
7	13.8	20.8	12:10p	6.0	6:50a	51.2	0.0	0.00	3.7	23.0	1:30p	W	0.0	0.0
8	19.9	34.5	3:40p	1.0	7:10a	45.1	0.0	0.01	1.8	12.0	12:40a	SSW	0.0	0.0
9	25.8	39.0	2:30p	7.4	7:10a	39.2	0.0	0.01	1.2	17.0	11:50p	ENE	0.0	0.0
10	36.3	41.2	4:10p	30.6	5:10a	27.5	0.0	0.20	6.2	28.0	6:35a	SSE	0.0	0.0
11	33.8	37.6	12:15a	28.4	12:00m	31.2	0.0	0.00	8.6	31.0	8:05a	W	0.0	0.0
12	26.7	31.1	5:35p	17.9	12:00m	38.3	0.0	0.00	5.2	21.0	5:10a	NW	0.0	0.0
13	29.5	44.6	4:50p	9.4	7:15a	35.5	0.0	0.00	1.9	15.0	4:00p	SSE	0.0	0.0
14	47.7	56.3	3:15p	40.3	1:30a	17.3	0.0	0.00	4.0	25.0	11:55p	SSE	0.0	0.0
15	50.8	61.6	3:55p	39.3	11:35p	14.2	0.0	0.09	5.6	27.0	12:45p	SSE	0.8	0.8
16	32.2	39.4	1:20a	26.0	11:35p	32.8	0.0	0.00	7.6	30.0	3:15a	W	0.0	0.8
17	25.9	30.3	4:30p	21.9	7:50a	39.1	0.0	0.04	5.4	26.0	4:40p	W	0.0	0.8
18	28.6	35.7	3:40p	20.4	7:50a	36.4	0.0	0.04	2.6	18.0	2:45p	WSW	0.0	0.8
19	28.8	38.5	4:15p	18.0	7:50a	36.2	0.0	0.02	1.5	18.0	11:35a	W	0.0	0.8
20	38.2	51.4	4:50p	25.2	1:50a	26.8	0.0	0.00	2.5	18.0	5:05p	SSW	0.0	0.8
21	40.0	45.6	1:40p	36.9	4:40a	25.0	0.0	0.38	3.0	18.0	2:40p	SSE	0.0	0.8
22	33.3	37.1	12:05a	25.7	12:00m	31.7	0.0	0.52	4.2	26.0	7:20p	NW	0.0	0.8
23	25.7	30.4	5:55p	21.3	9:20a	39.3	0.0	0.00	5.5	30.0	9:25a	W	0.0	0.8
24	38.2	47.4	4:00p	27.7	7:40a	26.8	0.0	0.01	3.8	20.0	1:45p	SW	0.0	0.8
25	31.5	41.5	12:30a	25.0	11:25p	33.5	0.0	0.00	4.5	16.0	6:25p	NNW	0.0	0.8
26	27.5	35.2	2:50p	17.9	7:55a	37.5	0.0	0.00	3.7	19.0	3:50p	NNW	0.0	0.8
27	32.2	49.5	4:10p	14.8	6:15a	32.8	0.0	0.00	1.5	13.0	5:15p	SSE	0.0	0.8
28	44.5	58.0	3:20p	33.2	7:00a	20.5	0.0	0.01	6.8	27.0	3:35p	SSW	0.0	0.8
29	44.1	48.6	12:05a	36.2	10:45p	20.9	0.0	0.13	2.3	13.0	5:20a	SSW	0.0	0.8
30	52.8	64.2	4:00p	37.5	12:05a	12.2	0.0	0.01	4.2	23.0	3:05p	SSW	2.8	3.6
31	39.8	59.9	12:05a	27.0	12:00m	25.2	0.0	0.08	7.3	27.0	10:20p	W	0.0	3.6
Parameter	**M. Mean**	**M. High**	**Day**	**M. Low**	**Day**	**Sum**	**Sum**	**Sum**	**M. Mean**	**M. High**	**Day**	**Month**	**Month**	**M. High**
Value	31.5	64.2	30	1.0	8	1036.6	0	1.75	4.0	31.0	11	W	3.6	2.8

Days with Maximum Temperature in Excess of 90°F: 0
Days with Maximum Temperature Less Than 32°F: 8
Days with Minimum Temperature Less Than 32°F: 25
Days with Minimum Temperature Less Than 0°F: 0
Maximum Rain (inches): 0.52 on 3/22/2019
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 April 2019

Station Location: Academic Quad

Summarized By Dr. Walid H. Shayya, School of Agriculture, Business, and Technology

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	27.9	34.3	5:00p	22.6	12:00m	37.1	0.0	0.01	5.8	22.0	12:20a	W	0.0	0.0
2	35.8	49.1	3:05p	19.7	4:45a	29.2	0.0	0.01	3.1	21.0	11:15a	SSW	0.0	0.0
3	39.9	50.3	1:25p	33.5	6:15a	25.1	0.0	0.00	6.7	42.0	2:05p	NW	0.0	0.0
4	33.3	38.6	2:20p	26.3	12:00m	31.7	0.0	0.00	6.3	27.0	9:30a	W	0.0	0.0
5	31.6	37.1	11:30p	24.0	4:20a	33.4	0.0	0.26	3.7	21.0	7:10p	SSE	0.0	0.0
6	44.1	54.3	3:40p	37.1	12:05a	20.9	0.0	0.05	3.2	17.0	4:40p	SSW	0.0	0.0
7	50.8	67.4	3:25p	34.8	7:25a	14.3	0.1	0.00	1.0	12.0	11:25p	SSE	0.8	0.8
8	57.8	68.6	1:00p	50.7	12:00m	7.4	0.2	0.09	5.6	33.0	2:00p	SSW	7.8	8.6
9	49.9	65.3	12:05p	39.7	12:00m	15.1	0.0	0.14	5.7	35.0	2:25p	NW	0.0	8.6
10	35.1	40.9	4:25p	29.5	11:15p	29.9	0.0	0.00	5.0	24.0	1:20p	NW	0.0	8.6
11	35.5	42.9	3:05p	25.1	7:10a	29.5	0.0	0.01	1.0	10.0	11:30p	ESE	0.0	8.6
12	53.6	68.1	3:00p	39.4	12:35a	11.6	0.2	0.14	6.6	35.0	1:15p	SSE	3.6	12.2
13	58.2	68.3	5:10p	43.4	12:00m	7.1	0.3	0.00	4.8	20.0	9:50a	SSW	8.2	20.4
14	48.1	63.7	12:00m	39.1	4:10a	16.9	0.0	0.28	2.0	22.0	12:00m	ENE	0.0	20.4
15	43.9	64.4	12:15a	35.6	5:20p	21.1	0.0	0.95	7.7	29.0	1:10a	W	0.0	20.4
16	41.1	48.9	3:35p	32.9	5:35a	23.9	0.0	0.00	5.8	22.0	10:25a	NW	0.0	20.4
17	47.4	62.4	4:10p	29.2	6:35a	17.6	0.0	0.00	1.3	11.0	10:25a	ESE	0.0	20.4
18	55.3	63.8	3:20p	47.4	6:15a	9.7	0.0	0.03	7.6	29.0	10:55a	SSW	5.3	25.7
19	64.2	70.4	11:35a	58.6	4:55a	1.9	1.1	0.67	6.1	26.0	12:20p	SSW	14.2	39.9
20	61.7	73.3	3:20p	49.9	7:55a	4.7	1.3	0.16	3.2	24.0	6:15p	SSE	11.7	51.6
21	53.6	61.0	10:55a	47.4	11:50p	11.4	0.0	0.00	2.9	14.0	12:05p	NNW	3.6	55.2
22	51.0	61.9	4:30p	44.4	5:25a	14.0	0.0	0.00	3.9	18.0	4:25p	NW	1.0	56.2
23	57.6	76.6	2:20p	41.9	6:20a	9.3	1.9	0.08	3.3	22.0	11:30p	SSW	7.6	63.8
24	43.8	56.8	12:05a	37.7	12:00m	21.2	0.0	0.00	5.6	24.0	3:50a	W	0.0	63.8
25	50.0	68.4	4:10p	30.9	6:05a	15.2	0.2	0.00	1.1	10.0	2:30p	SSE	0.0	63.8
26	53.7	59.6	3:50p	44.8	11:30p	11.3	0.0	0.68	5.2	24.0	10:35p	SSE	3.7	67.5
27	38.3	45.2	12:30a	33.5	10:50a	26.7	0.0	0.11	7.3	33.0	12:05p	W	0.0	67.5
28	38.8	43.4	6:25p	32.6	11:25p	26.2	0.0	0.04	2.3	17.0	4:50p	NW	0.0	67.5
29	41.6	51.9	1:35p	28.1	6:35a	23.4	0.0	0.06	1.2	13.0	10:00p	NE	0.0	67.5
30	45.4	52.0	5:55p	42.2	12:00m	19.6	0.0	0.09	2.0	13.0	11:05a	NW	0.0	67.5
Parameter	**M. Mean**	**M. High**	**Day**	**M. Low**	**Day**	**Sum**	**Sum**	**Sum**	**M. Mean**	**M. High**	**Day**	**Month**	**Month**	**M. High**
Value	46.3	76.6	23	19.7	2	566.4	5.3	3.86	4.2	42.0	3	SSW	67.5	14.2

Days with Maximum Temperature in Excess of 90°F: 0 Base Temperature for GDD (°F): 50
Days with Maximum Temperature Less Than 32°F: 0 M.: Monthly
Days with Minimum Temperature Less Than 32°F: 9
Days with Minimum Temperature Less Than 0°F: 0
Maximum Rain (inches): 0.95 on 4/15/2019
Days of Rain: 16 (>0.01 inches) 9 (>0.1 inches) 0 (>1 inch)
Heat Degree Base Temperature (°F): 65 Cold Degree Base Temperature (°F): 65 Method: Integration

State University of New York College of Agriculture and Technology at Morrisville
Monthly Climatological Summary for May 2019

Station Location: Academic Quad

Summarized By Dr. Walid H. Shayya, School of Agriculture, Business, and Technology

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	49.1	58.1	5:50p	42.1	12:05a	15.9	0.0	0.24	4.1	25.0	6:40p	SSE	0.0	0.0
2	55.5	59.7	3:00p	51.4	11:50p	9.5	0.0	0.09	2.5	13.0	12:20a	SSW	5.5	5.5
3	58.3	70.7	2:05p	51.1	3:45a	7.2	0.4	0.15	2.7	16.0	2:05p	SSW	8.3	13.8
4	52.9	60.4	1:55p	48.3	6:05a	12.1	0.0	0.00	1.9	11.0	3:35p	N	2.9	16.7
5	53.0	59.9	3:05p	46.7	6:55a	12.0	0.0	0.07	0.9	9.0	11:20a	S	3.0	19.7
6	58.3	69.9	5:05p	51.0	12:00m	7.4	0.6	0.21	1.4	12.0	3:15p	NW	8.3	28.0
7	51.2	58.4	9:55a	43.1	10:45p	13.8	0.0	0.20	1.3	11.0	10:35a	NW	1.2	29.2
8	48.6	60.7	4:40p	38.7	6:25a	16.4	0.0	0.00	2.2	15.0	1:25p	N	0.0	29.2
9	53.2	66.5	2:40p	38.1	2:20a	11.8	0.0	0.00	5.2	28.0	4:50p	SSE	3.2	32.4
10	56.4	72.0	2:05p	46.2	12:00m	9.0	0.5	0.73	5.5	24.0	1:10a	SSW	6.4	38.8
11	47.8	57.1	3:50p	40.9	6:15a	17.2	0.0	0.00	3.4	22.0	3:25a	NW	0.0	38.8
12	41.9	46.9	2:15a	38.9	5:10p	23.1	0.0	0.70	2.6	19.0	3:25p	ESE	0.0	38.8
13	42.0	46.1	12:15p	39.4	12:05a	23.0	0.0	0.67	2.7	19.0	11:05a	ESE	0.0	38.8
14	41.7	45.4	10:55a	39.1	1:40a	23.3	0.0	0.46	2.9	17.0	6:40p	NNW	0.0	38.8
15	51.1	64.3	4:00p	39.6	5:35a	13.9	0.0	0.00	3.4	20.0	5:25p	NW	1.1	39.9
16	53.3	62.5	3:50p	46.0	2:15a	11.7	0.0	0.06	2.2	17.0	1:35p	WNW	3.3	43.2
17	56.8	67.7	11:15a	47.4	12:00m	8.3	0.1	0.10	3.0	19.0	4:50p	SSW	6.8	50.0
18	54.5	67.9	3:55p	40.6	6:30a	10.6	0.1	0.00	1.8	13.0	11:50a	NW	4.5	54.5
19	70.1	87.1	3:10p	53.9	3:20a	2.8	7.9	0.22	5.3	23.0	4:20p	SSW	20.1	74.6
20	64.0	75.5	1:55p	48.9	12:00m	3.3	2.3	0.18	4.5	22.0	3:15p	NW	14.0	88.6
21	50.9	59.8	5:35p	43.7	3:15a	14.1	0.0	0.01	5.8	23.0	12:30p	NW	0.9	89.5
22	57.0	72.1	4:05p	39.7	6:10a	8.7	0.8	0.01	1.3	14.0	11:30p	SE	7.0	96.5
23	64.2	74.4	5:45p	54.8	6:10a	3.0	2.3	0.04	5.2	25.0	8:05p	SSW	14.2	110.7
24	55.8	60.6	4:40p	48.7	12:00m	9.2	0.0	0.04	4.5	27.0	6:10a	WNW	5.8	116.5
25	58.3	69.9	4:55p	42.7	6:05a	7.6	0.9	0.53	3.8	19.0	10:00a	SSW	8.3	124.8
26	67.6	77.8	3:10p	54.9	12:00m	1.4	4.0	0.01	3.8	18.0	8:55a	WSW	17.6	142.4
27	61.5	73.6	2:45p	48.3	6:20a	5.8	2.3	0.00	2.1	17.0	6:00p	NNW	11.5	153.9
28	57.2	66.1	4:55p	52.4	2:30a	7.9	0.0	0.17	2.3	17.0	2:25p	SSW	7.2	161.1
29	55.9	65.0	3:00p	49.7	7:25a	9.1	0.0	0.00	1.7	12.0	4:50p	WSW	5.9	167.0
30	61.5	71.4	4:10p	53.1	6:25a	4.3	0.8	0.00	2.1	13.0	1:25p	SSW	11.5	178.5
31	62.4	69.2	4:05p	51.2	12:00m	3.5	0.9	0.01	2.8	16.0	11:35a	WNW	12.4	190.9
Parameter	**M. Mean**	**M. High**	**Day**	**M. Low**	**Day**	**Sum**	**Sum**	**Sum**	**M. Mean**	**M. High**	**Day**	**Month**	**Month**	**M. High**
Value	55.2	87.1	19	38.1	9	326.9	23.9	4.90	3.1	28.0	9	NW	190.9	20.1

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): 0.73 on 5/10/2019

Days of Rain: 18 (>0.01 inches) 12 (>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 June 2019

Station Location: Academic Quad

Summarized By Dr. Walid H. Shayya, School of Agriculture, Business, and Technology

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	64.8	79.8	2:00p	47.7	3:20a	5.1	5.0	0.12	2.2	20.0	11:45a	WSW	14.8	14.8
2	58.7	65.9	2:10p	47.4	11:00p	6.3	0.0	0.13	2.6	21.0	3:30p	SW	8.7	23.5
3	50.4	57.9	5:30p	40.7	6:20a	14.6	0.0	0.00	4.0	24.0	11:00a	WNW	0.4	23.9
4	52.1	62.8	12:35p	42.4	4:10a	12.9	0.0	0.09	2.0	21.0	1:00p	WSW	2.1	26.0
5	65.9	77.6	1:40p	52.9	12:05a	1.9	2.8	0.56	2.8	18.0	3:30p	SSW	15.9	41.9
6	63.1	73.6	4:50p	52.8	12:00m	3.5	1.6	0.01	2.3	13.0	1:45a	NNW	13.1	55.0
7	62.5	77.0	4:10p	46.3	6:00a	6.5	4.0	0.00	1.9	14.0	1:05p	NNW	12.5	67.5
8	65.1	81.3	5:25p	46.9	6:25a	5.6	5.7	0.00	1.4	12.0	12:45p	NE	15.1	82.6
9	67.3	83.9	4:50p	48.3	5:40a	4.5	6.8	0.00	1.8	14.0	2:05p	SSE	17.3	99.9
10	63.2	73.3	12:10p	54.0	5:15a	3.0	1.2	0.84	2.4	18.0	12:15p	SSE	13.2	113.1
11	58.8	66.1	12:40a	48.3	12:00m	6.3	0.1	0.07	5.2	24.0	2:05a	WNW	8.8	121.9
12	60.7	76.0	2:30p	41.9	5:55a	7.4	3.2	0.00	2.0	16.0	1:20p	SSE	10.7	132.6
13	57.2	62.5	12:05a	52.7	9:10a	7.8	0.0	0.28	3.4	20.0	11:40a	SSE	7.2	139.8
14	57.4	66.3	6:10p	52.5	10:50a	7.7	0.1	0.05	4.6	29.0	4:40p	WSW	7.4	147.2
15	63.2	75.3	12:40p	55.4	12:40a	3.6	1.9	0.17	5.1	23.0	11:35a	SSW	13.2	160.4
16	62.1	66.5	1:55p	58.9	12:00m	3.0	0.1	0.56	0.8	10.0	3:30p	SE	12.1	172.5
17	63.3	77.6	5:10p	49.5	6:05a	4.7	3.0	0.01	1.0	11.0	11:00a	NNW	13.3	185.8
18	65.8	78.2	2:25p	55.6	6:00a	3.1	4.0	0.00	0.9	9.0	12:30p	SSW	15.8	201.6
19	71.2	81.8	1:55p	62.6	6:15a	0.3	6.5	0.07	1.1	11.0	3:30p	SSE	21.2	222.8
20	67.4	71.9	5:15p	63.2	11:55p	0.1	2.5	1.62	2.4	17.0	1:35p	SSE	17.4	240.2
21	63.7	71.1	3:05p	57.5	7:00a	2.9	1.6	0.17	5.0	24.0	3:15p	NNW	13.7	253.9
22	62.8	71.7	3:25p	52.6	6:20a	4.2	2.0	0.00	3.5	25.0	3:40p	NW	12.8	266.7
23	65.3	77.2	4:00p	52.2	2:55a	3.9	4.2	0.00	2.6	18.0	2:45p	WNW	15.3	282.0
24	66.7	79.8	10:50a	48.6	5:55a	4.6	6.3	0.00	1.4	11.0	12:30p	SSE	16.7	298.7
25	71.9	82.0	2:20p	61.4	12:00m	0.1	7.1	0.07	3.0	19.0	3:20p	WNW	21.9	320.6
26	69.9	86.1	2:05p	55.4	6:10a	2.2	7.1	0.08	1.8	32.0	3:15p	SE	19.9	340.5
27	70.6	82.2	3:55p	57.0	6:15a	1.7	7.3	0.00	1.4	11.0	12:00p	WNW	20.6	361.1
28	72.4	87.6	3:35p	55.3	5:50a	2.4	9.8	0.00	1.1	11.0	11:55a	WSW	22.4	383.5
29	73.1	81.1	2:45p	66.9	5:40a	0.0	8.1	0.00	2.6	19.0	3:40p	NW	23.1	406.6
30	64.8	70.4	1:10p	56.7	12:00m	1.4	1.2	0.00	3.4	25.0	3:40p	NW	14.8	421.4
Parameter	**M. Mean**	**M. High**	**Day**	**M. Low**	**Day**	**Sum**	**Sum**	**Sum**	**M. Mean**	**M. High**	**Day**	**Month**	**Month**	**M. High**
Value	64.0	87.6	28	40.7	3	131.3	103.2	4.90	2.5	32.0	26	SSE	421.4	23.1

Days with Maximum Temperature in Excess of 90°F: 0 Base Temperature for GDD (°F): 50
Days with Maximum Temperature Less Than 32°F: 0 M.: Monthly
Days with Minimum Temperature Less Than 32°F: 0
Days with Minimum Temperature Less Than 0°F: 0
Maximum Rain (inches): 1.62 on 6/20/2019
Days of Rain: 15 (>0.01 inches) 9 (>0.1 inches) 1 (>1 inch)
Heat Degree Base Temperature (°F): 65 Cold Degree Base Temperature (°F): 65 Method: Integration

State University of New York College of Agriculture and Technology at Morrisville
Monthly Climatological Summary for July 2019

Station Location: Academic Quad

Summarized By Dr. Walid H. Shayya, School of Agriculture, Business, and Technology

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	66.4	78.2	3:50p	52.3	6:20a	3.4	4.8	0.00	1.9	14.0	3:45p	NW	16.4	16.4
2	67.3	80.4	3:00p	57.7	6:05a	2.4	4.7	0.00	1.4	14.0	2:45p	WNW	17.3	33.7
3	72.9	89.7	3:10p	56.7	6:05a	1.8	9.7	0.00	1.2	10.0	5:30p	N	22.9	56.6
4	77.4	92.7	4:00p	60.1	6:10a	0.8	13.2	0.00	1.2	11.0	1:00p	SSE	27.4	84.0
5	79.0	89.8	4:30p	71.8	6:20a	0.0	14.0	0.00	2.8	19.0	11:15a	SSW	29.0	113.0
6	75.0	85.0	12:35p	67.9	11:55p	0.0	10.0	0.48	1.9	15.0	1:25p	WNW	25.0	138.0
7	69.3	80.3	3:35p	59.1	6:10a	1.1	5.4	0.00	1.5	11.0	1:15p	N	19.3	157.3
8	67.6	83.1	2:15p	52.7	6:15a	3.5	6.1	0.00	1.4	12.0	5:45p	N	17.6	174.9
9	68.6	84.6	5:15p	51.1	6:30a	3.8	7.4	0.00	1.0	9.0	12:05p	NNW	18.6	193.5
10	72.8	89.0	2:50p	55.3	5:55a	2.6	10.5	0.00	1.0	11.0	11:55a	SE	22.8	216.3
11	74.2	81.6	5:30p	64.8	3:30a	0.0	9.2	0.00	2.5	16.0	5:45p	SSW	24.2	240.5
12	66.0	72.1	12:05a	62.3	11:30p	0.5	1.5	0.10	1.8	14.0	4:00p	WNW	16.0	256.5
13	72.5	84.4	5:10p	62.0	12:35a	0.7	8.2	0.00	1.9	16.0	4:40p	WSW	22.5	279.0
14	70.7	77.4	2:40p	60.2	12:00m	0.3	5.9	0.00	3.1	19.0	3:50p	WNW	20.7	299.7
15	67.3	80.2	4:25p	54.0	5:55a	3.1	5.4	0.00	1.4	15.0	1:35p	NNW	17.3	317.0
16	72.6	90.8	3:30p	57.9	1:40a	2.0	9.6	0.18	2.1	17.0	7:00p	SW	22.6	339.6
17	71.4	75.6	1:05p	67.6	11:55p	0.0	6.4	0.73	1.1	14.0	1:15p	SSE	21.4	361.0
18	73.4	85.8	3:00p	63.8	5:25a	0.1	8.4	0.01	1.0	10.0	11:15a	ESE	23.4	384.4
19	78.0	89.9	3:30p	69.6	1:25a	0.0	13.0	0.54	2.6	20.0	7:55p	WSW	28.0	412.4
20	78.7	90.0	3:10p	71.3	5:20a	0.0	13.7	0.08	2.1	25.0	7:35p	WSW	28.7	441.1
21	76.2	83.5	2:05p	63.1	12:00m	0.0	11.3	0.00	3.2	21.0	8:00a	WNW	26.2	467.3
22	63.2	65.0	9:30a	61.4	1:55a	1.8	0.0	0.52	0.8	9.0	2:50p	N	13.2	480.5
23	67.4	77.2	2:55p	58.4	12:00m	1.7	4.1	0.05	2.0	15.0	3:20p	N	17.4	497.9
24	65.4	78.5	3:45p	52.6	5:30a	4.2	4.5	0.00	1.6	13.0	3:50p	NNW	15.4	513.3
25	66.1	79.7	4:25p	51.3	6:20a	4.3	5.4	0.01	1.7	14.0	3:15p	WNW	16.1	529.4
26	65.5	84.5	1:15p	55.7	6:05a	2.4	2.6	0.00	0.5	9.0	1:15p	ESE	15.5	544.9
27	80.0	88.4	3:20p	68.2	12:00m	0.0	7.3	0.00	3.0	15.0	5:25p	SSW	30.0	574.9
28	74.4	83.9	1:10p	66.8	5:55a	0.0	9.4	0.00	3.7	17.0	2:30p	SSW	24.4	599.3
29	74.2	88.9	3:40p	63.7	6:45a	0.1	9.2	0.51	1.8	29.0	7:15p	WSW	24.2	623.5
30	73.0	87.2	2:30p	65.6	2:30a	0.0	8.0	0.43	1.7	16.0	1:55p	SE	23.0	646.5
31	69.8	79.9	4:45p	61.0	12:00m	0.4	5.2	0.01	1.2	11.0	2:15p	NW	19.8	666.3
Parameter	**M. Mean**	**M. High**	**Day**	**M. Low**	**Day**	**Sum**	**Sum**	**Sum**	**M. Mean**	**M. High**	**Day**	**Month**	**Month**	**M. High**
Value	71.5	92.7	4	51.1	9	41.0	234.1	3.65	1.8	29.0	29	SSW	666.3	30.0

Days with Maximum Temperature in Excess of 90°F: 3
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): 0.73 on 7/17/2019
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 August 2019

Station Location: Academic Quad

Summarized By Dr. Walid H. Shayya, School of Agriculture, Business, and Technology

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	66.7	79.4	4:55p	55.2	6:10a	3.2	4.9	0.00	1.6	11.0	1:10p	N	16.7	16.7
2	66.4	83.3	2:55p	49.8	6:25a	4.5	5.9	0.01	1.1	12.0	5:30p	NNW	16.4	33.1
3	71.0	81.8	4:40p	60.5	11:40p	0.5	6.5	0.01	1.6	14.0	3:05p	NNW	21.0	54.1
4	65.5	76.2	2:00p	54.9	12:00m	3.1	3.6	0.02	1.8	17.0	2:55p	NNW	15.5	69.6
5	65.7	83.3	3:40p	47.7	6:15a	5.6	6.3	0.00	1.1	10.0	3:40p	ESE	15.7	85.3
6	67.9	86.6	3:50p	55.1	5:10a	2.8	5.8	0.06	1.5	22.0	4:45p	SSW	17.9	103.2
7	70.0	78.1	2:15p	65.1	5:00a	0.0	5.0	0.35	1.7	15.0	4:15p	SSE	20.0	123.2
8	68.5	82.8	2:50p	63.6	10:10p	0.3	3.8	0.60	2.5	42.0	3:20p	WSW	18.5	141.7
9	65.3	74.2	5:20p	58.0	6:25a	2.1	2.4	0.11	3.5	24.0	9:00p	WSW	15.3	157.0
10	61.4	69.9	2:30p	54.5	5:55a	4.3	0.7	0.07	2.6	21.0	2:15p	WNW	11.4	168.4
11	64.2	75.8	3:05p	51.8	4:40a	4.3	3.5	0.00	2.2	19.0	12:25p	WNW	14.2	182.6
12	67.6	81.1	2:10p	52.4	5:20a	3.8	6.4	0.01	1.5	14.0	12:25p	WSW	17.6	200.2
13	70.4	82.5	3:45p	63.5	6:15a	0.2	5.6	0.00	0.9	13.0	4:05p	WSW	20.4	220.6
14	69.2	80.7	2:40p	60.2	12:00m	1.3	5.5	0.00	1.6	11.0	1:15p	NW	19.2	239.8
15	66.7	83.8	2:30p	57.4	4:55a	2.5	4.3	0.69	1.1	16.0	5:50p	SW	16.7	256.5
16	68.9	80.3	2:10p	61.4	4:35a	1.0	4.9	0.47	2.1	15.0	4:25p	SSW	18.9	275.4
17	68.0	82.6	1:45p	62.2	6:40a	0.5	3.5	0.50	1.8	16.0	3:15p	SSW	18.0	293.4
18	70.2	86.6	2:25p	58.9	5:20a	1.5	6.8	0.01	2.0	18.0	12:15p	SSW	20.2	313.6
19	72.5	81.9	4:30p	64.4	1:15a	0.0	7.5	0.00	2.4	17.0	12:00p	WNW	22.5	336.1
20	71.1	84.2	3:45p	58.5	7:10a	1.3	7.4	0.00	1.1	13.0	2:05p	WSW	21.1	357.2
21	70.5	79.3	5:50p	63.7	2:15a	0.1	5.6	0.06	1.2	13.0	8:00a	SSE	20.5	377.7
22	67.0	75.4	4:05p	56.4	12:00m	1.2	3.1	0.01	1.6	13.0	12:50p	WNW	17.0	394.7
23	61.6	70.4	5:15p	51.7	6:50a	4.8	1.4	0.01	2.1	16.0	11:45a	NNW	11.6	406.3
24	58.7	68.5	4:55p	47.2	7:00a	6.5	0.3	0.00	1.6	13.0	1:30p	NNW	8.7	415.0
25	66.9	73.7	1:05p	52.4	1:20a	1.2	2.4	0.00	1.3	13.0	12:55p	ESE	16.9	431.9
26	68.7	77.6	3:25p	53.0	12:00m	1.2	3.3	0.01	1.0	15.0	1:45p	SE	18.7	450.6
27	62.4	73.3	2:50p	49.8	3:05a	4.6	2.0	0.00	3.3	20.0	6:05p	SSW	12.4	463.0
28	65.5	67.6	4:05p	60.0	12:00m	0.4	0.9	0.72	1.5	14.0	12:15a	SSE	15.5	478.5
29	61.8	72.5	4:25p	51.7	6:30a	4.9	1.8	0.01	2.3	17.0	9:40a	WSW	11.8	490.3
30	64.1	76.2	4:05p	52.6	2:25a	4.1	3.1	0.00	2.7	16.0	5:25a	SSW	14.1	504.4
31	58.8	69.9	2:20p	47.6	6:55a	7.1	0.9	0.00	1.8	14.0	10:25a	NNW	8.8	513.2
Parameter	**M. Mean**	**M. High**	**Day**	**M. Low**	**Day**	**Sum**	**Sum**	**Sum**	**M. Mean**	**M. High**	**Day**	**Month**	**Month**	**M. High**
Value	66.6	86.6	6	47.2	24	78.9	125.1	3.73	1.8	42.0	8	SSW	513.2	22.5

Days with Maximum Temperature in Excess of 90°F: 0 Base Temperature for GDD (°F): 50
Days with Maximum Temperature Less Than 32°F: 0 M.: Monthly
Days with Minimum Temperature Less Than 32°F: 0
Days with Minimum Temperature Less Than 0°F: 0
Maximum Rain (inches): 0.72 on 8/28/2019
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

State University of New York College of Agriculture and Technology at Morrisville
Monthly Climatological Summary for September 2019

Station Location: Academic Quad

Summarized By Dr. Walid H. Shayya, School of Agriculture, Business, and Technology

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	59.1	70.8	3:40p	47.6	4:40a	6.7	0.8	0.06	2.0	15.0	5:00p	SSE	9.1	9.1
2	63.4	69.3	4:25p	54.6	11:10p	2.4	0.8	0.88	2.1	15.0	12:10a	SSW	13.4	22.5
3	64.5	78.0	4:40p	53.3	3:30a	3.9	3.4	0.00	1.0	11.0	4:55p	SW	14.5	37.0
4	66.9	74.9	1:45p	58.0	10:35p	1.1	3.0	0.03	5.2	22.0	9:50a	SSW	16.9	53.9
5	58.7	69.7	3:10p	47.3	7:10a	7.1	0.8	0.00	1.2	13.0	3:20p	NNW	8.7	62.6
6	59.1	75.3	3:00p	44.2	7:00a	7.8	1.9	0.01	1.7	15.0	11:45a	ESE	9.1	71.7
7	59.3	65.2	5:40p	54.5	11:40p	5.7	0.0	0.00	1.9	16.0	1:55p	WNW	9.3	81.0
8	58.8	66.5	3:20p	51.5	12:00m	6.3	0.1	0.12	2.2	15.0	3:15p	NNW	8.8	89.8
9	55.4	67.2	2:00p	43.9	7:05a	9.7	0.1	0.00	1.0	11.0	3:20p	NNW	5.4	95.2
10	63.4	80.2	3:40p	45.7	3:30a	7.1	5.5	0.01	3.3	17.0	11:50p	SSW	13.4	108.6
11	72.5	81.6	3:45p	63.7	12:00m	0.0	7.5	0.07	3.6	22.0	1:40p	SSW	22.5	131.1
12	61.2	65.2	5:20a	53.7	12:00m	3.8	0.0	0.01	1.5	12.0	10:55a	N	11.2	142.3
13	57.7	71.4	2:30p	42.2	7:00a	8.1	0.9	0.01	4.1	29.0	12:00m	SSE	7.7	150.0
14	62.2	69.5	3:05p	58.2	7:40a	3.4	0.7	0.08	6.2	26.0	1:30a	SSW	12.2	162.2
15	60.3	72.4	2:30p	47.2	7:20a	5.8	1.2	0.03	1.1	15.0	1:10p	WSW	10.3	172.5
16	60.9	70.8	4:00p	50.5	12:00m	5.0	0.9	0.01	1.4	10.0	1:35p	N	10.9	183.4
17	56.3	70.7	3:10p	42.8	7:15a	9.7	1.0	0.00	1.6	14.0	5:50p	NW	6.3	189.7
18	55.3	69.6	5:05p	41.8	7:20a	10.5	0.8	0.01	1.1	12.0	2:00p	NNW	5.3	195.0
19	55.6	74.6	3:50p	39.0	7:00a	11.3	1.9	0.01	0.8	9.0	1:20p	SSE	5.6	200.6
20	57.8	78.0	3:40p	40.9	7:00a	10.1	2.9	0.01	0.7	8.0	2:25p	SE	7.8	208.4
21	63.6	82.7	2:55p	47.8	7:55a	6.3	4.9	0.00	0.5	7.0	1:20p	SSE	13.6	222.0
22	68.3	85.6	2:20p	51.5	6:20a	4.6	7.9	0.01	1.7	13.0	1:10p	SSW	18.3	240.3
23	69.6	77.0	11:15a	58.6	12:00m	0.5	5.2	0.34	3.7	18.0	5:45p	SSW	19.6	259.9
24	58.3	63.1	2:30p	50.5	12:00m	6.7	0.0	0.15	3.6	23.0	2:15p	WNW	8.3	268.2
25	59.5	75.9	2:55p	43.6	7:15a	8.2	2.8	0.01	1.2	13.0	1:50p	S	9.5	277.7
26	60.8	66.3	12:10a	50.4	11:40p	4.3	0.1	0.16	2.2	23.0	6:40p	SSW	10.8	288.5
27	57.8	71.4	3:10p	42.2	7:30a	8.4	1.1	0.01	1.9	13.0	1:50p	SSE	7.8	296.3
28	68.0	79.3	3:40p	59.9	4:00a	1.2	4.2	0.14	3.4	17.0	9:25a	SSW	18.0	314.3
29	57.5	63.9	12:05a	51.0	11:40p	7.5	0.0	0.01	2.5	13.0	4:55a	N	7.5	321.8
30	54.2	60.2	12:10p	50.4	7:10a	10.8	0.0	0.00	2.3	15.0	3:50p	SSE	4.2	326.0
Parameter	**M. Mean**	**M. High**	**Day**	**M. Low**	**Day**	**Sum**	**Sum**	**Sum**	**M. Mean**	**M. High**	**Day**	**Month**	**Month**	**M. High**
Value	60.9	85.6	22	39.0	19	184.0	60.4	2.18	2.2	29.0	13	SSW	326.0	22.5

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): 0.88 on 9/2/2019
Days of Rain: 11 (>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 October 2019

Station Location: Academic Quad

Summarized By Dr. Walid H. Shayya, School of Agriculture, Business, and Technology

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	70.7	85.0	3:50p	58.0	12:05a	1.6	7.4	0.05	4.8	23.0	8:25p	SSW	20.7	20.7
2	61.9	71.0	12:05a	47.3	11:55p	4.7	1.6	0.36	3.1	14.0	2:00a	N	11.9	32.6
3	48.0	54.3	12:00m	44.4	7:30a	17.0	0.0	0.43	2.6	19.0	5:30p	SSE	0.0	32.6
4	46.4	56.4	12:45a	39.0	12:00m	18.6	0.0	0.04	4.5	21.0	1:45a	NNW	0.0	32.6
5	44.1	59.0	4:05p	29.7	8:00a	20.9	0.0	0.00	1.6	18.0	10:55p	SSE	0.0	32.6
6	55.5	61.8	9:55p	45.8	12:05a	9.5	0.0	0.13	6.1	23.0	10:00a	SSW	5.5	38.1
7	55.5	61.7	2:25a	51.1	12:00m	9.5	0.0	0.85	1.0	17.0	2:45a	SSW	5.5	43.6
8	51.3	62.1	2:05p	42.4	11:50p	13.7	0.0	0.01	1.1	14.0	3:35p	NNW	1.3	44.9
9	48.5	59.7	1:55p	38.2	3:45a	16.5	0.0	0.01	1.0	11.0	11:50a	ENE	0.0	44.9
10	51.6	67.9	4:00p	40.7	6:10a	13.5	0.2	0.00	1.1	11.0	11:25a	ENE	1.6	46.5
11	52.4	69.3	3:50p	36.2	7:35a	13.3	0.6	0.00	1.4	15.0	2:40p	ENE	2.4	48.9
12	49.7	60.8	12:50p	41.8	5:00a	15.3	0.0	0.07	1.1	15.0	7:05p	SSE	0.0	48.9
13	49.4	64.5	4:25p	35.1	8:30a	15.6	0.0	0.01	2.0	14.0	1:30p	SSE	0.0	48.9
14	49.7	60.0	12:55p	40.9	11:45p	15.3	0.0	0.00	3.1	18.0	1:40p	NW	0.0	48.9
15	46.9	61.0	3:45p	36.3	8:00a	18.1	0.0	0.00	1.0	10.0	5:40p	SSW	0.0	48.9
16	50.1	58.0	12:05p	38.0	1:45a	14.9	0.0	1.38	4.4	28.0	10:20a	SSE	0.1	49.0
17	45.4	46.8	10:20a	43.5	11:50p	19.6	0.0	0.86	8.4	31.0	6:30p	NW	0.0	49.0
18	42.0	43.6	12:05a	41.2	9:50p	23.0	0.0	0.04	4.8	21.0	2:25a	NW	0.0	49.0
19	43.3	54.4	2:45p	32.8	8:00a	21.7	0.0	0.00	0.8	10.0	1:15p	NW	0.0	49.0
20	45.4	56.1	3:50p	34.9	2:35a	19.6	0.0	0.03	1.5	13.0	3:25p	SSE	0.0	49.0
21	49.8	67.0	3:15p	35.2	7:50a	15.3	0.1	0.01	1.2	14.0	3:40p	SSE	0.0	49.0
22	54.6	59.1	3:20p	50.6	1:15a	10.4	0.0	0.66	4.8	26.0	11:00a	SSE	4.6	53.6
23	49.6	58.4	2:30p	36.2	12:00m	15.4	0.0	0.01	2.6	20.0	11:55a	W	0.0	53.6
24	49.9	65.9	3:40p	35.1	1:40a	15.1	0.0	0.00	3.3	21.0	11:05a	SSW	0.0	53.6
25	46.9	52.5	2:40p	43.1	12:15a	18.1	0.0	0.05	0.5	10.0	4:00p	N	0.0	53.6
26	46.1	54.7	3:35p	37.2	8:05a	18.9	0.0	0.04	0.8	15.0	12:00m	ESE	0.0	53.6
27	52.1	61.0	3:10p	46.7	2:15a	12.9	0.0	0.73	5.5	23.0	9:40a	SSE	2.1	55.7
28	54.3	63.5	3:35p	48.1	9:05p	10.7	0.0	0.00	2.6	21.0	1:00a	SSE	4.3	60.0
29	55.5	63.2	3:10p	50.9	2:15a	9.5	0.0	0.00	5.5	26.0	12:05p	SSW	5.5	65.5
30	55.7	59.7	2:55p	52.6	3:50a	9.3	0.0	0.00	2.1	17.0	12:15a	SSE	5.7	71.2
31	61.9	68.7	6:45p	56.5	12:00m	3.5	0.4	2.11	4.9	47.0	7:30p	SSW	11.9	83.1
Parameter	**M. Mean**	**M. High**	**Day**	**M. Low**	**Day**	**Sum**	**Sum**	**Sum**	**M. Mean**	**M. High**	**Day**	**Month**	**Month**	**M. High**
Value	51.1	85.0	1	29.7	5	441.0	10.3	7.88	2.9	47.0	31	SSE	83.1	20.7

Days with Maximum Temperature in Excess of 90°F: 0 Base Temperature for GDD (°F): 50
Days with Maximum Temperature Less Than 32°F: 0 M.: Monthly
Days with Minimum Temperature Less Than 32°F: 1
Days with Minimum Temperature Less Than 0°F: 0
Maximum Rain (inches): 2.11 on 10/31/2019
Days of Rain: 16 (>0.01 inches) 9 (>0.1 inches) 2 (>1 inch)
Heat Degree Base Temperature (°F): 65 Cold Degree Base Temperature (°F): 65 Method: Integration

State University of New York College of Agriculture and Technology at Morrisville
Monthly Climatological Summary for November 2019

Station Location: Academic Quad

Summarized By Dr. Walid H. Shayya, School of Agriculture, Business, and Technology

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	40.8	56.5	12:05a	37.2	11:45p	24.2	0.0	0.14	9.6	41.0	6:40a	W	0.0	0.0
2	40.3	48.6	2:45p	36.0	1:45a	24.7	0.0	0.00	2.1	17.0	3:05p	SSW	0.0	0.0
3	38.3	42.1	11:10a	31.2	12:00m	26.7	0.0	0.00	3.3	20.0	9:45a	WSW	0.0	0.0
4	39.8	47.6	4:20p	28.7	4:00a	25.2	0.0	0.00	3.5	22.0	2:15p	SSW	0.0	0.0
5	43.8	47.9	2:50a	35.1	10:15p	21.2	0.0	0.22	3.9	22.0	11:45a	SSW	0.0	0.0
6	38.8	43.6	11:10p	35.3	7:45a	26.2	0.0	0.01	3.3	23.0	7:50a	W	0.0	0.0
7	36.4	43.9	8:25a	27.2	9:10p	28.6	0.0	0.05	2.7	15.0	8:25a	NNW	0.0	0.0
8	24.4	27.2	12:05a	22.4	8:55p	40.6	0.0	0.04	3.2	19.0	12:55p	NNW	0.0	0.0
9	28.1	36.4	3:15p	14.9	7:05a	36.9	0.0	0.01	4.3	20.0	8:05p	SSW	0.0	0.0
10	37.9	43.5	3:25p	31.5	4:20a	27.1	0.0	0.01	3.6	18.0	1:15a	SSW	0.0	0.0
11	32.2	38.7	12:05a	27.6	9:45p	32.8	0.0	0.01	2.3	9.0	5:45a	N	0.0	0.0
12	21.0	27.7	12:05a	16.1	12:00m	44.0	0.0	0.00	5.7	27.0	6:50p	NW	0.0	0.0
13	16.5	22.1	2:50p	11.1	7:25a	48.5	0.0	0.00	3.4	17.0	9:15a	NW	0.0	0.0
14	27.7	33.0	8:25p	18.6	12:45a	37.3	0.0	0.00	4.7	22.0	11:45a	SSW	0.0	0.0
15	34.2	38.6	12:10p	29.5	12:00m	30.8	0.0	0.12	4.7	23.0	4:20p	W	0.0	0.0
16	21.6	30.2	2:55p	14.3	7:35a	43.4	0.0	0.00	2.0	15.0	12:25a	NNE	0.0	0.0
17	27.5	38.8	2:30p	15.0	12:25a	37.5	0.0	0.02	2.3	18.0	2:15p	SSE	0.0	0.0
18	35.0	40.6	2:05p	29.9	7:30a	30.0	0.0	0.04	0.7	8.0	12:35a	ENE	0.0	0.0
19	35.4	39.9	2:05p	30.4	12:00m	29.6	0.0	0.03	1.5	15.0	2:10p	NW	0.0	0.0
20	33.8	37.2	1:45p	27.3	2:15a	31.2	0.0	0.00	2.9	15.0	2:15p	NNW	0.0	0.0
21	40.1	45.5	2:15p	32.7	7:40a	24.9	0.0	0.01	2.4	16.0	9:45p	SSW	0.0	0.0
22	38.5	47.5	6:00a	31.0	12:00m	26.5	0.0	0.26	7.4	28.0	1:40p	SSW	0.0	0.0
23	34.2	41.6	2:55p	28.8	7:35a	30.8	0.0	0.01	3.2	17.0	12:20a	SSE	0.0	0.0
24	35.4	38.8	2:55p	33.7	8:00a	29.6	0.0	0.21	2.8	20.0	3:20p	NW	0.0	0.0
25	40.8	46.0	2:30p	37.5	10:35p	24.2	0.0	0.00	2.4	15.0	12:50a	SSW	0.0	0.0
26	44.4	57.6	3:05p	33.9	12:00m	20.6	0.0	0.00	1.9	16.0	12:20p	SSE	0.0	0.0
27	42.5	55.5	1:20p	32.0	3:55a	22.5	0.0	0.41	4.4	30.0	6:15p	SSE	0.0	0.0
28	32.2	39.0	12:05a	24.2	10:50p	32.8	0.0	0.25	7.7	26.0	2:50a	NNW	0.0	0.0
29	24.7	26.5	1:10p	23.0	11:30p	40.3	0.0	0.00	4.8	20.0	12:25a	NNW	0.0	0.0
30	21.9	27.3	3:15p	16.9	12:00m	43.1	0.0	0.00	2.3	11.0	12:15a	NW	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	33.6	57.6	26	11.1	13	941.8	0	1.85	3.6	41.0	1	SSW	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: 22
Days with Minimum Temperature Less Than 0°F: 0
Maximum Rain (inches): 0.41 on 11/27/2019
Days of Rain: 12 (>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 December 2019

Station Location: Academic Quad

Summarized By Dr. Walid H. Shayya, School of Agriculture, Business, and Technology

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	22.3	28.5	3:00p	14.6	1:55a	42.7	0.0	0.00	2.0	17.0	1:50p	ESE	0.0	0.0
2	28.9	31.4	12:30p	23.9	12:00m	36.1	0.0	0.00	1.7	9.0	11:40a	NNW	0.0	0.0
3	24.2	29.6	3:25p	15.9	7:05a	40.8	0.0	0.01	3.8	19.0	11:40a	NW	0.0	0.0
4	32.0	34.1	3:15p	28.6	2:35a	33.0	0.0	0.00	2.6	12.0	11:35p	SSW	0.0	0.0
5	29.9	32.9	12:05a	26.9	12:00m	35.1	0.0	0.01	5.9	22.0	6:15a	W	0.0	0.0
6	28.5	34.3	3:05p	22.2	11:35p	36.5	0.0	0.00	2.7	17.0	4:30p	SSE	0.0	0.0
7	21.1	25.6	12:05p	7.9	11:45p	43.9	0.0	0.00	2.7	19.0	11:40a	NW	0.0	0.0
8	22.1	36.2	11:45p	1.9	5:15a	42.9	0.0	0.02	5.2	26.0	2:40p	SSW	0.0	0.0
9	41.5	46.2	11:30p	36.2	12:05a	23.5	0.0	0.72	6.5	28.0	2:15a	SSW	0.0	0.0
10	38.9	47.4	4:10a	24.5	12:00m	26.1	0.0	0.14	4.1	18.0	11:10a	NW	0.0	0.0
11	24.5	31.9	1:50p	19.2	8:00a	40.5	0.0	0.00	5.4	30.0	5:35p	WSW	0.0	0.0
12	23.0	28.2	3:25p	15.7	7:50a	42.0	0.0	0.00	3.3	22.0	11:25p	SSE	0.0	0.0
13	34.4	41.3	7:45p	27.0	3:35a	30.6	0.0	0.04	4.4	24.0	1:45a	SSE	0.0	0.0
14	39.7	46.6	12:20p	33.2	8:55p	25.3	0.0	0.47	2.8	23.0	7:00p	WSW	0.0	0.0
15	30.7	34.4	1:55a	24.9	12:00m	34.3	0.0	0.01	8.3	33.0	1:05p	W	0.0	0.0
16	24.4	31.0	2:50p	21.2	9:05p	40.6	0.0	0.02	0.6	9.0	12:15a	ESE	0.0	0.0
17	26.8	30.4	3:05p	22.2	12:05a	38.2	0.0	0.00	1.1	11.0	5:15p	S	0.0	0.0
18	21.6	29.0	11:10a	10.2	10:25p	43.4	0.0	0.01	6.5	31.0	11:15a	W	0.0	0.0
19	10.1	14.5	3:20p	5.7	6:25a	54.9	0.0	0.00	4.1	21.0	1:15a	NW	0.0	0.0
20	12.2	19.7	3:10p	3.9	11:35p	52.8	0.0	0.00	1.9	12.0	9:30a	NW	0.0	0.0
21	18.2	30.8	3:35p	2.9	1:45a	46.8	0.0	0.00	1.8	21.0	1:30p	SSW	0.0	0.0
22	31.2	45.8	2:45p	19.6	8:15a	33.8	0.0	0.22	2.1	17.0	2:15p	SE	0.0	0.0
23	29.3	39.5	9:20a	25.4	5:20a	13.9	0.0	0.01	1.6	16.0	8:05a	SSW	0.0	0.0
24	29.9	35.4	2:05p	22.2	11:55p	17.5	0.0	0.00	0.8	8.0	12:30p	NE	0.0	0.0
25	31.7	42.2	3:35p	21.5	3:40a	33.3	0.0	0.00	1.2	13.0	11:35a	SSE	0.0	0.0
26	36.3	41.8	2:40p	29.0	2:20a	28.7	0.0	0.00	3.2	19.0	11:35p	SSE	0.0	0.0
27	42.3	49.8	5:45p	37.2	12:00m	22.7	0.0	0.03	5.1	21.0	6:10a	SSW	0.0	0.0
28	34.3	38.5	3:20p	27.2	10:25p	30.7	0.0	0.01	3.1	19.0	5:45a	NW	0.0	0.0
29	33.8	37.4	1:05p	27.8	7:50a	31.2	0.0	0.51	2.0	16.0	10:55p	SSE	0.0	0.0
30	37.4	40.1	1:10p	35.3	12:00m	27.6	0.0	0.53	4.1	19.0	1:15p	SSE	0.0	0.0
31	34.5	38.4	12:30p	30.8	10:10p	30.5	0.0	0.04	3.4	27.0	5:05p	SSE	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	28.9	49.8	27	1.9	8	1079.9	0	2.80	3.4	33.0	15	SSE	0.0	0.0

Days with Maximum Temperature in Excess of 90°F: 0 Base Temperature for GDD (°F): 50
Days with Maximum Temperature Less Than 32°F: 12 M.: Monthly
Days with Minimum Temperature Less Than 32°F: 27
Days with Minimum Temperature Less Than 0°F: 0
Maximum Rain (inches): 0.72 on 12/9/2019
Days of Rain: 11 (>0.01 inches) 6 (>0.1 inches) 0 (>1 inch)
Heat Degree Base Temperature (°F): 65 Cold Degree Base Temperature (°F): 65 Method: Integration