

MONTHLY CLIMATE SUMMARY, OCTOBER 2017
NIU WEATHER SERVICE: DE KALB, IL.

Day	Record HI	Record LO	Average HI	Average LO	Obs. HI	Obs. LO	Obs. Avg.	GDD	CDD	HDD	Precip. (in)	Snowfall (in)
1	93	28	73	45	69	46	57.5	8	0	7	0	0.0
2	90	25	70	45	72	46	59.0	9	0	6	0	0.0
3	89	26	67	44	81	60	70.5	21	6	0	0	0.0
4	92	27	68	45	79	66	72.5	23	8	0	0.02	0.0
5	89	26	66	43	76	54	65.0	15	0	0	0.02	0.0
6	92	20	67	44	75	54	64.5	15	0	0	0.06	0.0
7	87	26	66	43	69	58	63.5	14	0	1	0.27	0.0
8	89	22	65	43	73	50	61.5	12	0	3	0.12	0.0
9	86	23	66	43	78	50	64.0	14	0	1	0	0.0
10	87	21	64	42	79	53	66.0	16	1	0	0	0.0
11	86	20	64	40	60	54	57.0	7	0	8	2.13	0.0
12	84	22	66	41	56	54	55.0	5	0	10	0.07	0.0
13	87	21	65	42	57	50	53.5	4	0	11	0.01	0.0
14	85	21	63	41	70	51	60.5	11	0	4	1.3	0.0
15	88	21	63	42	65	53	59.0	9	0	6	2.93	0.0
16	85	25	63	41	54	40	47.0	0	0	18	0	0.0
17	87	22	62	40	62	41	51.5	2	0	13	0	0.0
18	86	18	60	39	70	44	57.0	7	0	8	0	0.0
19	86	18	60	39	71	44	57.5	8	0	7	0	0.0
20	86	18	59	38	71	49	60.0	10	0	5	0	0.0
21	87	22	59	39	77	50	63.5	14	0	1	0	0.0
22	84	20	59	38	77	56	66.5	17	2	0	0	0.0
23	83	22	58	37	64	48	56.0	6	0	9	0.29	0.0
24	80	18	58	39	53	42	47.5	0	0	17	0.84	0.0
25	77	22	57	38	45	34	39.5	0	0	25	0.56	0.0
26	82	15	58	39	54	35	44.5	0	0	20	0.01	0.0
27	82	19	57	40	59	35	47.0	0	0	18	0	0.0
28	78	19	56	37	39	34	36.5	0	0	28	0.01	T
29	80	15	58	36	38	32	35.0	0	0	30	0.01	T
30	83	13	58	38	41	30	35.5	0	0	29	0	0.0
31	85	16	58	37	46	32	39.0	0	0	26	0	0.0

Temperature

1981-2010 AVG HI: 65.7 °F
 1981-2010 AVG LOW: 40.5 °F
 1981-2010 AVG TEMP.: 53.1 °F
 October 2017 AVG HI: 63.9 °F
 October 2017 AVG LOW: 46.6 °F
 October 2017 AVG TEMP: 55.2 °F

Precipitation

October 2017 TOTAL: 8.65in.
 October AVG: 2.85 in.
 October 2017 SNOW: 0 in.
 October SNOW AVG.: 0 in.
 2017 Liquid-Eq. YEAR TO DATE: 39.25 in.
 Liquid-Eq. YEAR TO DATE AVG: 32.83 in.
 2017-2018 Seasonal SNOW TO DATE: 0 in.
 Seasonal SNOW TO DATE AVG: 0 in.

Degree Days

COOLING: 10/17: 17
 1/17-Now: 681
 HEATING: 10/17: 311
 7/17-Now: 400
 GROWING: 10/17: 247
 1/17-Now: 3062.5

Discussion

October's average temperature was 55.2 °F, which is 2.1 degrees warmer than the historical average temperature. October's average high of 63.9 °F was 1.8 degrees cooler than the historical average high; however, the average minimum temperature was much warmer than the historical average by 6.1 degrees. October had 18 days with above average highs and 23 days with above average lows. October had 3 days where low temperatures were at or below the freezing point.

October's precipitation total for 2017 was 8.65., which was 5.80 in. above the average. This ranks October 2017 the 3rd wettest October to date for the combined DeKalb/Sycamore record; 10.06 in. (1954), 8.86 in (1941). This extremely wet October comes immediately after the 2nd driest September to date with only 0.09 in. The 2017 liquid-equivalent year to date now is 39.25 in., which is 6.42 in. above the year to date average of 32.83 in. The largest precipitation event occurred on October 15th with 2.93 in. of rain. October did not receive any measurable snowfall, however did have trace snowfall events on the 28th and 29th.

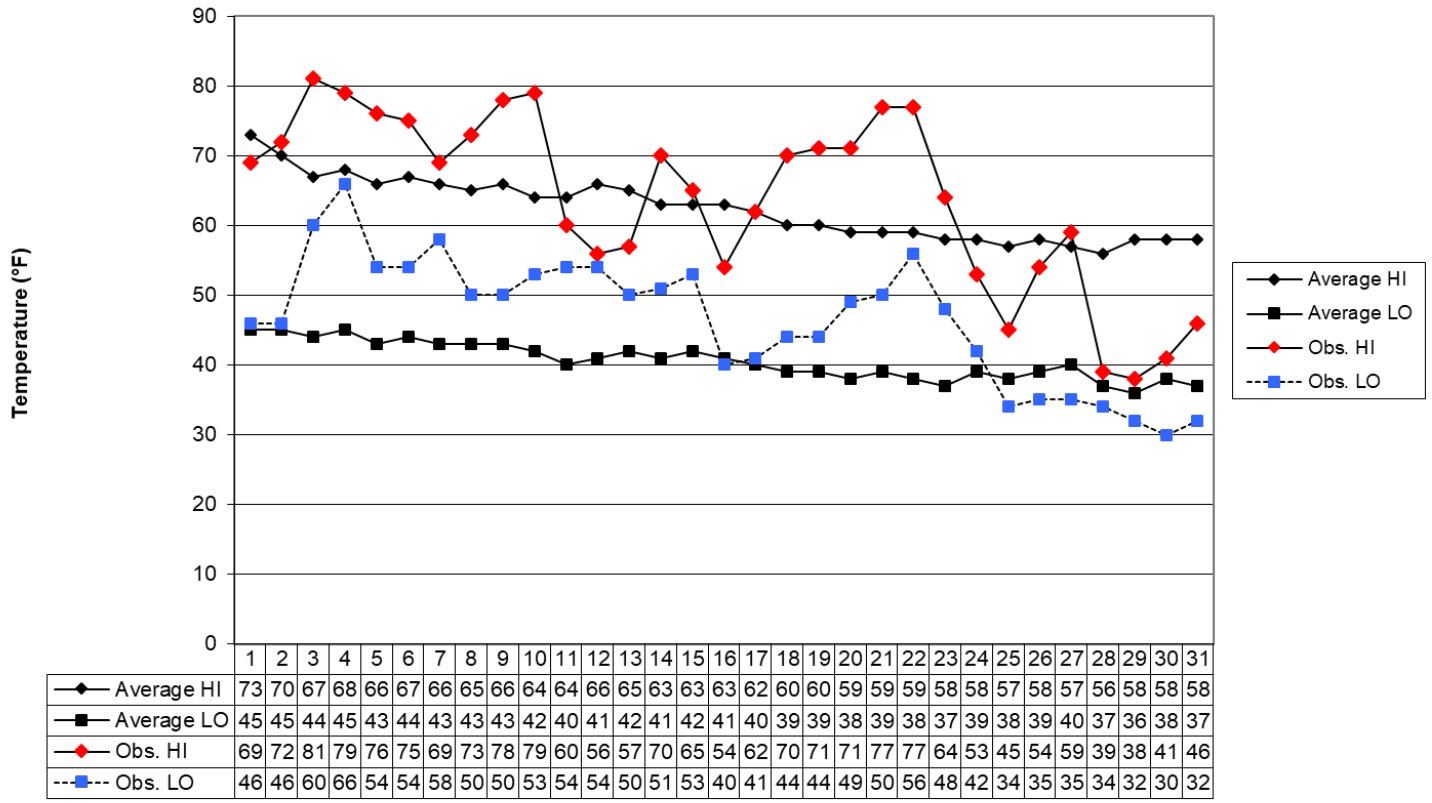
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 John Anderson — Weather Directors

This summary was prepared by John Anderson, November 2, 2017. Forecast information (updated once daily at approx. 7:30 am): (815) 753-1623.

Climate Website: <http://climate.niu.edu>

The Climate Summary is supported by the Department of Geography, the College of Liberal Arts and Sciences, and the Department of Operations.

October 2017 Daily Highs and Lows with 1981-2010 Average Highs and Lows
 Prepared by John Anderson, NIU Weather Director



Day