

MONTHLY CLIMATE SUMMARY, OCTOBER 2016
NIU WEATHER SERVICE: DE KALB, IL.

Day	Record	Record	Average	Average	Obs.	Obs.	Obs.	GDD	CDD	HDD	Precip. (in)	Snowfall (in)
	HI	LO	HI	LO	HI	LO	AVG					
1	93	28	73	45	66	56	61	11	0	4	0.14	0.0
2	90	25	70	45	63	55	59	9	0	6	0.03	0.0
3	89	26	67	44	66	55	60.5	10.5	0	4.5	0.01	0.0
4	92	27	68	45	67	57	62	12	0	3	0	0.0
5	89	26	66	43	74	59	66.5	16.5	1.5	0	0	0.0
6	92	20	67	44	78	60	69	19	4	0	0.06	0.0
7	87	26	66	43	72	61	66.5	16.5	1.5	0	0.32	0.0
8	89	22	65	43	68	39	53.5	3.5	0	11.5	0.01	0.0
9	86	23	66	43	69	39	54	4	0	11	0	0.0
10	87	21	64	42	65	40	52.5	2.5	0	12.5	0	0.0
11	86	20	64	40	73	47	60	10	0	5	0	0.0
12	84	22	66	41	75	55	65	15	0	0	0.01	0.0
13	87	21	65	42	67	36	51.5	1.5	0	13.5	0.02	0.0
14	85	21	63	41	57	36	46.5	0	0	18.5	T	0.0
15	88	21	63	42	66	40	53	3	0	12	0	0.0
16	85	25	63	41	70	55	62.5	12.5	0	2.5	0.2	0.0
17	87	22	62	40	71	64	67.5	17.5	2.5	0	0.02	0.0
18	86	18	60	39	82	67	74.5	24.5	9.5	0	0	0.0
19	86	18	60	39	73	48	60.5	10.5	0	4.5	0	0.0
20	86	18	59	38	69	48	58.5	8.5	0	6.5	0.04	0.0
21	87	22	59	39	53	37	45	0	0	20	T	0.0
22	84	20	59	38	54	35	44.5	0	0	20.5	0	0.0
23	83	22	58	37	61	35	48	0	0	17	0	0.0
24	80	18	58	39	72	42	57	7	0	8	0	0.0
25	77	22	57	38	58	40	49	0	0	16	0	0.0
26	82	15	58	39	58	40	49	0	0	16	0.2	0.0
27	82	19	57	40	47	42	44.5	0	0	20.5	1.02	0.0
28	78	19	56	37	45	39	42	0	0	23	T	0.0
29	80	15	58	36	66	40	53	3	0	12	0.02	0.0
30	83	13	58	38	71	51	61	11	0	4	0.14	0.0
31	85	16	58	37	57	40	48.5	0	0	16.5	0.01	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 2016 AVG HI: 65.6 °F
 October 2016 AVG LOW: 47.0 °F
 October 2016 AVG TEMP: 56.3 °F

Precipitation

October 2016 TOTAL: 2.25 in.
 October AVG: 2.85 in.
 October 2016 SNOW: 0 in.
 October SNOW AVG.: 0 in.
 2016 Liquid-Eq. YEAR TO DATE: 34.27 in.
 Liquid-Eq. YEAR TO DATE AVG: 32.83 in.
 2016-2017 Seasonal SNOW TO DATE: 0 in.
 Seasonal SNOW TO DATE AVG: 0 in.

Degree Days

COOLING: 10/16: 19
 1/16-Now: 982.5
 HEATING: 10/16: 288.5
 7/16-Now: 328.5
 GROWING: 10/16: 228.5
 1/16-Now: 3366

Discussion

October's average temperature was 56.3°F, which is 3.2 degrees warmer than the historical average temperature. October's average high of 65.7 degrees was a mere 0.1 degrees cooler than the historical average high; however, the average minimum temperature was much warmer than the historical average by 6.5 degrees. October had 20 days with above average highs and 22 days with above average lows. October had its highest temperature on the 18th at 82 degrees. This was 22 degrees above the average for the day. Also, October experienced no days when the low temperature was at or below the freezing point (32F).

October's precipitation total for 2016 was 2.25 in., which was 0.60 in. below the average. The 2016 liquid-equivalent year to date is 34.27 inches, which is about 1.50 inches above the year to date average of 32.83 inches. Sixty-four percent of the precipitation fell within the last ten days of the month. The largest precipitation occurred on October 27th with 1.02 in. of rain. This accounted for forty-five percent of the monthly accumulation. This year, October did not receive any snowfall.

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This summary was prepared by Daniel O'Sullivan Jr, 1 November 2016. Forecast information (updated once daily at approx. 7:30 am): (630) 999-1327.

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

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October 2016 Daily Highs and Lows with 1981-2010 Average Highs and Lows
 Prepared by Daniel O'Sullivan Jr, NIU Weather Director

