

MONTHLY CLIMATE SUMMARY, SEPTEMBER 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	100	39	80	59	77	57	67	17	2	0	0	0.0
2	101	35	80	58	74	55	64.5	14.5	0	0.5	0	0.0
3	99	40	80	58	75	55	65	15	0	0	0	0.0
4	100	41	80	57	77	58	67.5	17.5	2.5	0	0	0.0
5	99	40	78	57	78	60	69	19	4	0	0	0.0
6	100	36	79	57	87	63	75	25	10	0	0	0.0
7	101	37	80	58	91	72	81.5	31.5	16.5	0	0	0.0
8	99	27	80	56	88	69	78.5	28.5	13.5	0	0.42	0.0
9	96	39	78	56	83	64	73.5	23.5	8.5	0	0.01	0.0
10	96	36	78	56	80	62	71	21	6	0	0.11	0.0
11	94	30	79	55	73	50	61.5	11.5	0	3.5	0.04	0.0
12	96	32	79	55	76	52	64	14	0	1	0	0.0
13	98	33	78	55	78	54	66	16	1	0	0	0.0
14	100	29	77	54	82	60	71	21	6	0	0.05	0.0
15	101	33	75	52	75	59	67	17	2	0	0	0.0
16	92	30	74	52	78	60	69	19	4	0	0	0.0
17	94	33	73	51	82	64	73	23	8	0	0.02	0.0
18	97	30	75	53	81	56	68.5	18.5	3.5	0	0	0.0
19	93	32	76	53	82	56	69	19	4	0	0	0.0
20	93	28	74	52	87	59	73	23	8	0	0.42	0.0
21	94	32	71	49	84	62	73	23	8	0	0	0.0
22	92	29	72	49	74	63	68.5	18.5	3.5	0	0.97	0.0
23	91	30	71	48	81	63	72	22	7	0	0.04	0.0
24	91	30	71	48	75	64	69.5	19.5	4.5	0	0.04	0.0
25	93	25	69	48	76	63	69.5	19.5	4.5	0	0.03	0.0
26	93	26	70	48	87	55	71	21	6	0	T	0.0
27	89	27	72	48	68	48	58	8	0	7	0	0.0
28	91	23	70	48	68	47	57.5	7.5	0	7.5	0.01	0.0
29	96	28	69	47	62	48	55	5	0	10	0.01	0.0
30	93	22	71	47	66	48	57	7	0	8	T	0.0

Temperature

1981-2010 AVG. HI: 75.3 (F)
 1981-2010 AVG. LOW: 52.8 (F)
 1981-2010 AVG. TEMP.: 64.1 (F)
 Sept. 2016 AVG. HI: 78.2 (F)
 Sept. 2016 AVG. LO: 58.2 (F)
 Sept. 2016 AVG. TEMP.: 68.2 (F)

Precipitation

Sept. 2016 TOTAL: 2.17 in.
 Sept. AVG.: 3.16 in.
 Sept. 2016 SNOW: 0
 Sept. SNOW AVG: 0
 2016 liquid-eq. YEAR TO DATE: 32.02 in.
 liquid-eq. YEAR TO DATE AVG.: 29.08 in.
 2016-17 Seasonal SNOW TO DATE: 0
 Seasonal SNOW TO DATE AVG.: 0

Degree Days

COOLING: 9/16: 133
 1/16-Now: 963.5
 HEATING: 9/16: 37.5
 7/16-Now: 40
 GROWING: 9/16: 545.5
 1/16-Now: 3137.5

Discussion

September had an average temperature of 68.2 °F, which is just over four degrees above the historical average of 64.1 °F. The average high temperature of 78.2 °F was 2.9 degrees above the historical average high temperature of 75.3 °F. The average low temperature of 58.2 °F was 5.4 degrees above the historical average low temperature of 52.8 °F. September had 20 days with average or above average highs and 22 days with above average lows. September's highest temperatures were recorded in the middle of the month with the highest temperature recorded on the 7th at 91 °F.

September's precipitation total for 2016 was 2.17 in., which is almost an inch below the average of 3.16 in. This brings the year to date liquid equivalent total to 32.02 in., which is 2.94 in. above the liquid equivalent year to date average. Most of the precipitation fell towards the second half of the month with just 29% of the precipitation falling from September 1st to the 15th and 71% of the precipitation falling from September 16th to the 30th.

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This summary was prepared Dominique Watson and Daniel O'Sullivan, 7 October 2016. Forecast information (updated once daily at approx. 7:30 am): (630) 999-1327.

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

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September 2016 Daily Highs and Lows with 1981-2010 Average Highs and Lows
 Prepared by Dominique Watson, NIU Weather Director

