

# MONTHLY CLIMATE SUMMARY, SEPTEMBER 2017

## NIU WEATHER SERVICE: DE KALB, IL.

Day	Record		Average		Obs. HI	Obs. LO	Obs. Avg.	CDD	HDD	GDD	Precip. (in)	Snowfall (in)
	HI	LO	HI	LO								
1	100	39	80	59	71	52	61.5	0	3	12	0	0
2	101	35	80	58	69	46	57.5	0	7	8	0	0
3	99	40	80	58	73	47	60	0	5	10	0.02	0
4	100	41	80	57	82	56	69	4	0	19	0	0
5	99	40	78	57	79	49	64	0	1	14	0	0
6	100	36	79	57	66	44	55	0	10	5	0	0
7	101	37	80	58	62	44	53	0	12	3	0	0
8	99	27	80	56	69	48	58.5	0	6	9	0	0
9	96	39	78	56	73	53	63	0	2	13	0	0
10	96	36	78	56	73	49	61	0	4	11	0	0
11	94	30	79	55	70	49	59.5	0	5	10	0	0
12	96	32	79	55	74	50	62	0	3	12	0	0
13	98	33	78	55	78	51	64.5	0	0	15	0	0
14	100	29	77	54	77	52	64.5	0	0	15	0	0
15	101	33	75	52	80	55	67.5	3	0	18	0	0
16	92	30	74	52	86	59	72.5	8	0	23	0	0
17	94	33	73	51	85	62	73.5	9	0	24	0	0
18	97	30	75	53	81	53	67	2	0	17	0	0
19	93	32	76	53	81	53	67	2	0	17	0.06	0
20	93	28	74	52	82	61	71.5	7	0	22	0.01	0
21	94	32	71	49	91	65	78	13	0	28	0	0
22	92	29	72	49	92*	69	80.5	16	0	31	0	0
23	91	30	71	48	93*	69	81	16	0	31	0	0
24	91	30	71	48	93*	68	80.5	16	0	31	0	0
25	93	25	69	48	90	66	78	13	0	28	0	0
26	93	26	70	48	91	66	78.5	14	0	29	0	0
27	89	27	72	48	90*	58	74	9	0	24	0	0
28	91	23	70	48	68	47	57.5	0	7	8	0	0
29	96	28	69	47	72	47	59.5	0	5	10	0	0
30	93	22	71	47	67	47	57	0	8	7	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. 2017 AVG. HI: 78.6 (F)  
 Sept. 2017 AVG. LO: 54.5 (F)  
 Sept. 2017 AVG. TEMP.: 66.6 (F)

**Precipitation**

Sept. 2017 TOTAL: 0.09 in.  
 Sept. AVG.: 3.16 in.  
 Sept. 2017 SNOW: 0  
 Sept. SNOW AVG: 0  
 2017 liquid-eq. YEAR TO DATE: 30.60 in.  
 liquid-eq. YEAR TO DATE AVG.: 29.08 in.  
 2017-18 Seasonal SNOW TO DATE: 0  
 Seasonal SNOW TO DATE AVG.: 0

**Degree Days**

COOLING: 9/17: 132  
 1/17-Now: 664  
 HEATING: 9/17: 78  
 7/17-Now: 89  
 GROWING: 9/17: 504  
 1/17-Now: 2815.5

**Discussion**

September had a mean temperature of 66.6 °F, which is 2.5 degrees above the historical average of 64.1 °F. The average high temperature of 78.6 °F was 3.3 degrees above the historical average of 75.3 °F. The average low temperature of 54.5 °F was 1.7 degrees above the historical average of 52.8 °F. September had a streak of 7 days with temperatures at or above 90 °F between the 21<sup>st</sup> and the 27<sup>th</sup>. During that streak, 4 days either exceeded or met the record high temperature for the day (22<sup>nd</sup>, 23<sup>rd</sup>, 24<sup>th</sup> and 27<sup>th</sup>). This is the 5<sup>th</sup> time in the De Kalb/Sycamore station's history that a streak of 7 or more days with 90 °F or above temperatures has occurred in the month of September; 1912 (7 days), 1922 (8 days), 1925 (7 days), 1933 (8 days).

September's precipitation total for 2017 was 0.09 in, which is 3.07 in. below the average of 3.16 in. This brings the year to date liquid equivalent total to 30.60 in., which is 1.52 in. above the liquid equivalent year to date average. This makes September 2017 the second driest September to date, behind September of 1979 which had a precipitation total of 0.04 in. The two-month precipitation total for August-September was 1.98 in. and was the third lowest total for this two-month period; 1.50 in. (1897), 1.97" (1962).

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This summary was prepared by John Anderson, 5 October 2017. Forecast information (updated once daily at approx. 7:30 am): (815) 753-1623.

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

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

