

MONTHLY CLIMATE SUMMARY, SEPTEMBER 2015

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	84	61	72.5	22.5	7.5	0	0	0.0
2	101	35	80	58	89	68	78.5	28.5	13.5	0	0	0.0
3	99	40	80	58	88	69	78.5	28.5	13.5	0	0	0.0
4	100	41	80	57	89	67	78	28	13	0	0	0.0
5	99	40	78	57	89	67	78	28	13	0	0	0.0
6	100	36	79	57	81	68	74.5	24.5	9.5	0	0	0.0
7	101	37	80	58	90	68	79	29	14	0	T	0.0
8	99	27	80	56	85	69	77	27	12	0	0.17	0.0
9	96	39	78	56	78	64	71	21	6	0	0.92	0.0
10	96	36	78	56	78	57	67.5	17.5	2.5	0	0	0.0
11	94	30	79	55	69	57	63	13	0	2	0.48	0.0
12	96	32	79	55	67	48	57.5	7.5	0	7.5	0	0.0
13	98	33	78	55	64	45	54.5	4.5	0	10.5	0	0.0
14	100	29	77	54	71	46	58.5	8.5	0	6.5	0	0.0
15	101	33	75	52	83	51	67	17	2	0	0	0.0
16	92	30	74	52	82	58	70	20	5	0	0	0.0
17	94	33	73	51	84	59	71.5	21.5	6.5	0	0	0.0
18	97	30	75	53	83	61	72	22	7	0	0.49	0.0
19	93	32	76	53	74	57	65.5	15.5	0.5	0	0.63	0.0
20	93	28	74	52	69	48	58.5	8.5	0	6.5	T	0.0
21	94	32	71	49	72	47	59.5	9.5	0	5.5	0	0.0
22	92	29	72	49	75	53	64	14	0	1	0	0.0
23	91	30	71	48	80	54	67	17	2	0	0	0.0
24	91	30	71	48	80	57	68.5	18.5	3.5	0	0	0.0
25	93	25	69	48	79	58	68.5	18.5	3.5	0	0	0.0
26	93	26	70	48	76	57	66.5	16.5	1.5	0	0	0.0
27	89	27	72	48	78	57	67.5	17.5	2.5	0	0	0.0
28	91	23	70	48	76	62	69	19	4	0	0	0.0
29	96	28	69	47	78	62	70	20	5	0	0	0.0
30	93	22	71	47	63	42	52.5	2.5	0	12.5	0.05	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. 2015 AVG. HI: 78.5 (F)
 Sept. 2015 AVG. LO: 57.9 (F)
 Sept. 2015 AVG. TEMP.: 68.2 (F)

Precipitation

Sept. 2015 TOTAL: 2.74 in.
 Sept. AVG.: 3.16 in.
 Sept. 2015 SNOW: 0
 Sept. SNOW AVG: 0
 2015 liquid-eq. YEAR TO DATE: 29.46 in.
 liquid-eq. YEAR TO DATE AVG.: 29.08 in.
 2015-16 Seasonal SNOW TO DATE: 0
 Seasonal SNOW TO DATE AVG.: 0

Degree Days

COOLING: 9/15: 147.5
 1/15-Now: 695.5
 HEATING: 9/15: 52
 7/15-Now: 88.5
 GROWING: 9/15: 545.5
 1/15-Now: 2790

Discussion

September had a mean temperature of 68.2 °F, which is just over four degrees above the historical average of 64.1 °F. The average high temperature of 78.5 °F was 3.3 degrees above the historical average of 75.3 °F. The average low temperature of 57.9 °F was 5.1 degrees above the historical average of 52.8 °F. September had 24 days with average or above average highs and 23 days with above average lows. September's highest temperatures were recorded in the beginning of the month with the highest temperature recorded on the 7th at 90 degrees.

September's precipitation total for 2015 was 2.74 in, which is 0.42 in. below the average of 3.16 in. This brings the year to date liquid equivalent total to 29.46 in., which is 0.38 in. above the liquid equivalent year to date average. Almost all of the precipitation fell in the middle of the month. 57% of the precipitation fell between September 8th to the 11th and 41% of the precipitation fell from September 18th to the 19th.

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 This summary was prepared by Jim Kolar, 6 October 2015. Forecast information (updated once daily at approx. 7:30 am): (630) 999-1327.

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

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September 2015 Daily Highs and Lows with 1981-2010 Average Highs and Lows
 Prepared by Jim Kolar, NIU Weather Director

