

# MONTHLY CLIMATE SUMMARY, SEPTEMBER 2004

## NIU WEATHER SERVICE, DEKALB, IL

Day	Record HI	Record LO	Average HI	Average LO	Obs. HI	Obs. LO	Obs. Avg.	CDD	HDD	Precip. (in)	Snowfall (in)
1	100	39	81	58	80	59	69.5	4.5	0	0.00	0.0
2	101	35	80	58	81	62	71.5	6.5	0	0.00	0.0
3	99	40	80	57	83	63	73	8	0	0.00	0.0
4	100	41	80	57	84	63	73.5	8.5	0	0.04	0.0
5	99	40	79	56	84	64	74	9	0	0.19	0.0
6	100	36	79	56	84	68	76	11	0	0.00	0.0
7	101	37	79	55	78	52	65	0	0	0.00	0.0
8	99	37	79	55	72	52	62	0	3	0.00	0.0
9	96	39	79	55	70	52	61	0	4	0.00	0.0
10	96	36	79	55	73	54	63.5	0	1.5	0.00	0.0
11	94	30	78	55	79	54	66.5	1.5	0	0.00	0.0
12	96	32	78	55	83	54	68.5	3.5	0	0.00	0.0
13	98	33	77	54	85	60	72.5	7.5	0	0.00	0.0
14	100	29	76	53	84	61	72.5	7.5	0	0.00	0.0
15	101	33	75	53	85	63	74	9	0	0.00	0.0
16	92	30	75	52	84	56	70	5	0	0.42	0.0
17	94	33	74	52	70	51	60.5	0	4.5	0.00	0.0
18	97	30	74	52	72	51	61.5	0	3.5	T	0.0
19	93	32	73	51	76	55	65.5	0.5	0	0.00	0.0
20	93	28	72	50	78	52	65	0	0	0.00	0.0
21	94	32	71	48	78	52	65	0	0	0.00	0.0
22	92	29	70	47	83	53	68	3	0	0.00	0.0
23	91	30	70	47	82	54	68	3	0	0.00	0.0
24	91	30	71	47	83	58	70.5	5.5	0	0.00	0.0
25	93	25	71	48	79	53	66	1	0	0.00	0.0
26	93	26	71	48	72	48	60	0	5	0.00	0.0
27	89	27	72	48	74	46	60	0	5	0.00	0.0
28	91	23	71	47	77	46	61.5	0	3.5	0.00	0.0
29	96	28	71	47	66	42	54	0	11	0.00	0.0
30	93	22	71	46	67	42	54.5	0	10.5	0.00	0.0

*\*New Record*

Temperature

1896-1995 AVG. HI: 75.5°F  
 1896-1995 AVG. LOW: 52.5°F  
 1896-1995 AVG. TEMP: 64.2 °F  
 September 2004 AVG. HI: 78.2 °F  
 September 2004 AVG. LO: 54.7 °F  
 September 2004 AVG. TEMP: 66.4 °F

Precipitation

July TOTAL: 0.65 in.  
 July AVG: 3.68 in.  
 SNOW: 0.0 in.  
 AVG SNOW: 0.0"  
 YEAR TO DATE: 29.73 in.  
 YEAR TO DATE AVG: 28.79 in.

Degree Days

COOLING: 9/04: 94.5  
 1/04-Now: 549.5  
 HEATING: 9/04: 51.5  
 7/04-Now: 128

Discussion

For those living in northern Illinois the weather in September represented a sharp contrast to what we experienced this past summer. The DeKalb-NIU weather station reported 0.65" of rainfall for September. This was the 4<sup>th</sup> driest September since 1895. There were 3 days in the month with more than 0.01 inch of precipitation. The 16<sup>th</sup> saw the greatest daily total rainfall, having 0.42 inches fall. The final 14 days of September closed out recording only a trace of rainfall. The dry month helped crops rapidly dry out and allowed many farmers to begin harvesting their record corn/soybean crops early.

The average temperature for July fell 2.2°F above the long-term average and was the 18<sup>th</sup> warmest September since 1895. Believe or not, the average temperature for September was 0.3°F greater than that experienced in August! The month was characterized by clear skies, warm days and pleasant evenings. Although there were no days that recorded a high temperature of 90°F or above, nearly half the September daily high temperatures were 80°F or above. The final 5 days of the month were characterized by temperatures closer to the long-term average. The warm month was reflected in fewer than average Heating Degree Days and thus less demand for natural gas.

Samuel Shea, and Alan Black, Weather Directors/Cooperative Observers, NIU

Forecast Information (updated once daily at approx. 7:30 am): (815) 753-1623

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