

MONTHLY CLIMATE SUMMARY, SEPTEMBER, 2006

NIU WEATHER SERVICE, DEKALB, IL

Day	Record	Record	Average	Average	Obs.	Obs.	Obs.	CDD	HDD	GDD	Precip. (in)	Snowfall (in)
	HI	LO	HI	LO	HI	LO	Avg.					
1	100	39	82	60	76	57	66.5	1.5	0	16.5	0.00	0.0
2	101	35	81	59	76	56	66	1	0	16	0.00	0.0
3	99	40	80	58	77	56	66.5	1.5	0	16.5	0.00	0.0
4	100	41	80	56	77	57	67	2	0	17	0.59	0.0
5	99	40	79	56	73	53	63	0	2	13	1.11	0.0
6	100	36	80	56	74	55	64.5	0	0.5	14.5	0.12	0.0
7	101	37	81	57	81	58	69.5	4.5	0	19.5	0.00	0.0
8	99	37	80	55	83	57	70	5	0	20	0.00	0.0
9	96	39	79	56	83	58	70.5	5.5	0	20.5	0.00	0.0
10	96	36	79	55	72	57	64.5	0	0.5	14.5	0.25	0.0
11	94	30	80	56	61	58	59.5	0	5.5	9.5	0.93	0.0
12	96	32	79	55	66	58	62	0	3	12	0.15	0.0
13	98	33	77	55	70	57	63.5	0	1.5	13.5	0.09	0.0
14	100	29	77	53	64	51	57.5	0	7.5	7.5	0.07	0.0
15	101	33	75	52	75	52	63.5	0	1.5	13.5	0.00	0.0
16	92	30	74	52	77	57	67	2	0	17	0.00	0.0
17	94	33	73	52	79	59	69	4	0	19	0.00	0.0
18	97	30	75	53	82	53	67.5	2.5	0	17.5	0.13	0.0
19	93	32	76	53	71	44	57.5	0	7.5	7.5	0.00	0.0
20	93	28	75	51	53	38	45.5	0	19.5	0	0.03	0.0
21	94	32	69	48	63	38	50.5	0	14.5	0.5	0.00	0.0
22	92	29	68	46	68	47	57.5	0	7.5	7.5	0.09	0.0
23	91	30	68	44	73	55	64	0	1	14	0.24	0.0
24	91	30	70	46	66	53	59.5	0	5.5	9.5	0.01	0.0
25	93	25	69	49	65	44	54.5	0	10.5	4.5	0.01	0.0
26	93	26	72	48	71	45	58	0	7	8	0.00	0.0
27	89	27	73	49	73	50	61.5	0	3.5	11.5	0.01	0.0
28	91	23	72	49	65	43	54	0	11	4	0.00	0.0
29	96	28	72	48	56	38	47	0	18	0	0.00	0.0
30	93	22	72	49	59	44	51.5	0	13.5	1.5	0.00	0.0

Temperature

1971-2000 AVG. HI: 75.6(F)
 1971-2000 AVG. LOW: 52.5(F)
 1971-2000 AVG. TEMP: 64.1(F)
 September 2006 AVG. HI: 71.0(F)
 September 2006 AVG. LO: 51.6(F)
 September 2006 AVG. TEMP: 61.3(F)

Precipitation

September TOTAL: 3.83 in
 September AVG: 3.47 in.
 SNOW: 0.0 in.
 YEAR TO DATE: 26.26 in
 YEAR TO DATE AVG: 29.80 in

Degree Days

COOLING: 9/06: 29.5
 1/06-Now: 773.0
 HEATING: 9/06: 141
 7/06-Now: 142
 GROWING: 9/06: 346
 1/06-Now: 2819

Discussion

September in DeKalb had the coldest average high temperature since observations were moved to DeKalb in 1966. If you go back through the Sycamore data as well, which goes back to 1896, September 2006 had the 5th coolest average high temperature. The low temperatures were not as cold which meant the mean temperature for the month ranked 5th for DeKalb dating back to 1966.

September 2006 was wetter than average with 3.83" of rainfall, which is just above the 30-year average of 3.47". This is the first month since March of this year that we have had more rainfall than the 30-year average. Many of the rain events during the month were the result of thunderstorms that moved through northern Illinois. One such day was September 22, when a series of large supercell (rotating) thunderstorms moved through Lee, DeKalb, DuPage, and Cook counties. These storms had numerous severe thunderstorm and tornado warnings associated with them. There was only one confirmed tornado. This was a weak F0 tornado that formed in Cook County just prior to the storm heading out over Lake Michigan. There were also numerous reports of large hail from these storms. For 2006, we remain 3.50" below normal for precipitation.

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

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**September
2006 Daily Highs and Lows with 1971-2000 Average Highs and Lows**

