

## MONTHLY CLIMATE SUMMARY, JUNE 2010

### NIU WEATHER SERVICE, DEKALB, IL

Day	Record HI	Record LO	Average HI	Average LO	Obs. HI	Obs. LO	Obs. Avg.	CDD	HDD	GDD	Precip. (in)	Snowfall (in)
1	106	34	78	55	78	63	70.5	5.5	0	20.5	0.02	0.0
2	97	38	78	55	86	64	75	10	0	25	0.45	0.0
3	102	34	78	53	79	55	67	2	0	17	0.02	0.0
4	97	34	77	53	75	56	65.5	0.5	0	15.5	T	0.0
5	98	33	77	55	83	56	69.5	4.5	0	19.5	0.01	0.0
6	98	40	79	57	78	55	66.5	1.5	0	16.5	0.34	0.0
7	97	38	81	58	77	54	65.5	0.5	0	15.5	0.12	0.0
8	98	35	80	57	75	56	65.5	0.5	0	15.5	0.05	0.0
9	92	35	79	55	70	58	64	0	1	14	0.34	0.0
10	103	36	77	55	82	56	69	4	0	19	0.00	0.0
11	102	36	81	56	77	60	68.5	3.5	0	18.5	T	0.0
12	95	38	82	59	88	67	77.5	12.5	0	27.5	0.00	0.0
13	95	42	82	59	80	61	70.5	5.5	0	20.5	0.58	0.0
14	96	39	83	61	71	61	66	1	0	16	0.78	0.0
15	96	39	81	60	72	59	65.5	0.5	0	15.5	0.00	0.0
16	95	37	80	58	73	61	67	2	0	17	0.06	0.0
17	99	37	81	58	81	61	71	6	0	21	0.00	0.0
18	96	44	82	60	83	61	72	7	0	22	0.45	0.0
19	99	42	83	60	87	63	75	10	0	25	1.16	0.0
20	99	37	84	61	84	64	74	9	0	24	0.00	0.0
21	100	38	83	61	83	66	74.5	9.5	0	24.5	0.00	0.0
22	99	40	83	61	84	66	75	10	0	25	0.09	0.0
23	103	39	82	60	85	69	77	12	0	27	0.09	0.0
24	102	40	82	60	86	61	73.5	8.5	0	23.5	0.56	0.0
25	99	43	83	60	82	64	73	8	0	23	0.00	0.0
26	101	45	85	61	84	67	75.5	10.5	0	25.5	0.32	0.0
27	100	40	85	62	86	70	78	13	0	28	0.00	0.0
28	101	41	84	63	84	66	75	10	0	25	1.09	0.0
29	101	40	83	61	81	58	69.5	4.5	0	19.5	0.00	0.0
30	102	39	82	61	75	54	64.5	0	0.5	14.5	0.00	0.0

#### Temperature

1971-2000 AVG. HI: 81.1(F)  
 1971-2000 AVG. LOW: 58.6(F)  
 1971-2000 AVG. TEMP: 69.8(F)  
 June 2010 AVG. HI: 80.3(F)  
 June 2010 AVG. LO: 61.1(F)  
 June 2010 AVG. TEMP: 70.7(F)

#### Precipitation

June 2010 TOTAL: 6.53 in.  
 June AVG: 4.56 in.  
 June 2010 SNOW: 0.0 in.  
 2010 liquid-eq. YEAR TO DATE: 19.35 in.  
 liquid-eq. YEAR TO DATE AVG: 17.62 in.  
 2009-10 Seasonal SNOW TO DATE: 42.9 in.  
 Seasonal SNOW TO DATE AVG: 35.0 in.

#### Degree Days

COOLING: 6/10: 172  
 1/10-Now: 274.5  
 HEATING: 6/10: 1.5  
 7/09-Now: 6598.5  
 GROWING: 6/10: 620.5  
 1/10-Now: 1185

#### Discussion

The June 2010 average (mean) temperature was slightly above the 30-year (1971-2000) historical average at 70.7 degrees, which was 0.9 degrees above the historical average of 69.8 degrees. It appears that warmer-than-average nights, caused by cloudiness and high humidity due to frequent rainfall, contributed to the warmer-than-average mean temperature: while the monthly average high temperature was 80.3 degrees and 0.8 degrees below the historical average of 81.1 degrees, the monthly average low temperature was 61.1 degrees and 2.5 degrees above the historical average and the eighth greatest since 1948. High temperatures were above average between the 1<sup>st</sup> and 5<sup>th</sup>, generally below average between the 6<sup>th</sup> and 16<sup>th</sup>, and near-to above average during the latter half of the month; low temperatures were above average generally except when near- to slightly below average between the 3<sup>rd</sup> and 10<sup>th</sup> and in the month's final two days. No temperatures of 90 degrees or greater were recorded during the month.

The monthly total rainfall of 6.53 in. was substantially above the historical average of 4.56 in. and ranked ninth greatest on record since 1948. Rainfall was frequent as rainfall of a trace or more was recorded on 20 of 30 days during month. Damaging straight-line winds associated with severe thunderstorms caused tree and property damage as well as power failure on the 12<sup>th</sup> and 18<sup>th</sup> within the city of DeKalb proper and nearby in Rochelle and the U.S. 30 corridor on the 23<sup>rd</sup>. As of the end of the month, year-to-date liquid equivalent precipitation was 19.35 in. and 110 percent of the historical average. At present, 2010 is on pace to be the fifth consecutive year in which above-historical-average liquid-equivalent precipitation is recorded. With respect to soil conditions in the short-term, the 26 June NOAA Climate Prediction Center Crop Moisture Report (posted weekly at <[http://www.cpc.ncep.noaa.gov/products/analysis\\_monitoring/regional\\_monitoring/cmi.gif](http://www.cpc.ncep.noaa.gov/products/analysis_monitoring/regional_monitoring/cmi.gif)>) showed "abnormally moist" conditions in all northern Illinois and "wet" to "excessively wet" conditions in adjacent portions of southwestern Wisconsin, eastern Iowa, and central Illinois.

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 This summary was prepared by Daniel J. Brouillette, 30 June 2010.  
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 Website: <http://climate.niu.edu>

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**June 2010 Daily Highs and Lows with 1971-2000 Average Highs and Lows**  
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