

# MONTHLY CLIMATE SUMMARY, MAY, 2010

## NIU WEATHER SERVICE, DEKALB, IL

Day	Record		Average		Obs.	Obs.	Obs.	CDD	HDD	GDD	Precip. (in)	Snowfall (in)
	HI	LO	HI	LO	HI	LO	Avg.					
1	89	27	63	41	79	56	67.5	2.5	0	17.5	0.10	0.0
2	90	27	65	43	71	52	61.5	0	3.5	11.5	0.11	0.0
3	89	28	66	43	71	47	59	0	6	9	0.00	0.0
4	90	26	65	44	71	47	59	0	6	9	0.00	0.0
5	92	27	68	44	81	51	66	1	0	16	0.00	0.0
6	94	28	70	45	71	42	56.5	0	8.5	6.5	T	0.0
7	89	24	68	45	67	44	55.5	0	9.5	5.5	1.02	0.0
8	89	28	68	45	57	40	48.5	0	16.5	0	0.15	0.0
9	95	25	69	46	49	34	41.5	0	23.5	0	0.01	0.0
10	90	25	73	45	58	38	48	0	17	0	0.00	0.0
11	90	24	72	47	58	43	50.5	0	14.5	0.5	0.87	0.0
12	89	29	72	47	53	43	48	0	17	0	0.31	0.0
13	88	29	71	46	51	45	48	0	17	0	2.41	0.0
14	90	28	70	48	72	46	59	0	6	9	0.05	0.0
15	90	31	70	47	64	48	56	0	9	6	0.00	0.0
16	91	29	70	48	63	44	53.5	0	11.5	3.5	0.00	0.0
17	92	33	75	49	67	49	58	0	7	8	0.00	0.0
18	94	31	74	51	63	48	55.5	0	9.5	5.5	0.01	0.0
19	95	30	75	52	68	49	58.5	0	6.5	8.5	0.00	0.0
20	95	32	76	51	76	50	63	0	2	13	0.00	0.0
21	94	31	74	50	72	55	63.5	0	1.5	13.5	0.30	0.0
22	92	35	75	51	69	56	62.5	0	2.5	12.5	0.01	0.0
23	93	30	75	53	76	57	66.5	1.5	0	16.5	0.00	0.0
24	94	33	75	52	91	65	78	13	0	28	0.00	0.0
25	93*	28	72	51	93*	71	82	17	0	32	0.00	0.0
26	97	31	72	50	88	65	76.5	11.5	0	26.5	0.25	0.0
27	97	30	73	50	85	66	75.5	10.5	0	25.5	0.00	0.0
28	95	33	74	51	82	57	69.5	4.5	0	19.5	0.00	0.0
29	93	31	76	54	83	61	72	7	0	22	0.00	0.0
30	94	35	75	55	87	66	76.5	11.5	0	26.5	0.00	0.0
31	107	35	77	54	91	69	80	15	0	30	0.00	0.0

**\*A NEW RECORD HIGH was recorded on the 25<sup>th</sup>; the previous record was 92, which was set in 1939 at the former Sycamore site.**

### Temperature

1971-2000 AVG. HI: 71.5(F)  
 1971-2000 AVG. LOW: 48.3(F)  
 1971-2000 AVG. TEMP: 59.9(F)  
 May 2010 AVG. HI: 71.8(F)  
 May 2010 AVG. LO: 51.7(F)  
 May 2010 AVG. TEMP: 61.8(F)

### Precipitation

May TOTAL: 5.60 in  
 May AVG: 4.16 in.  
 SNOW: 0.0 in.  
 liq. eq. YEAR TO DATE: 12.82 in.  
 liq. eq. YEAR TO DATE AVG: 13.09 in.  
 2009-10 Seasonal SNOW TO DATE: 42.9 in.  
 Seasonal SNOW AVG: 35.0 in.

### Degree Days

COOLING: 5/10: 95  
 1/10-Now: 102.5  
 HEATING: 5/10: 194.5  
 7/09-Now: 6597  
 GROWING: 5/10: 381.5  
 1/10-Now: 564.5

### Discussion

The May 2010 average temperature of 61.8 degrees was 1.9 degrees above the 30-year (1971-2000) historical average of 59.9 degrees. The indication is that mild nights were the main contribution to the above-average temperature since this May's average low temperature was 51.7 degrees and 3.4 degrees above the historical average, while this month's average high temperature of 71.8 degrees was only 0.3 degrees above the historical average. The first week of the month had near- to above-average temperatures; in contrast, the mid-month period from the 8<sup>th</sup> to the 19<sup>th</sup> featured well below-average temperatures. Well above-average temperatures—including the first temperature of 90 degrees or higher of the year (and since 28 June 2009) on the 24<sup>th</sup> and a record high and second highest temperature of the last three years on the 25<sup>th</sup>—were recorded during the month's last week.

The monthly total liquid-equivalent precipitation of 5.60 in. was well above the historical average, and, thus, this May is the 8<sup>th</sup> wettest on record since 1948. However, approximately 90 percent of the month's rain fell during the first half of the month, particularly during the second week. On the 13<sup>th</sup>, 2.41 in. was recorded, which made this 13 May the wettest on record since 1948. Year-to-date rainfall is currently 12.82 in., which is near-average at 97 percent of the historical average. Soil moisture conditions are generally favorable at this time as indicated in the 29 May NOAA Climate Prediction Center Crop Moisture Report that showed "slightly dry/favorably moist" soil conditions over all northern Illinois.

The Spring 2010 average temperature was 52.0 degrees, which is 3.6 degrees above the historical average of 48.4 degrees and made it the 4<sup>th</sup> warmest on record since 1948 after 1977, 1965, and 1985, respectively; the total liquid equivalent precipitation was 10.75 in., which is 0.63 in. above the historical average of 10.12 in. and made it the 22<sup>nd</sup> wettest on record since 1948.

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This summary was prepared by Daniel J. Brouillette, 1 June 2010.

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

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May 2010 Daily Highs and Lows with 1971-2000 Average Highs and Lows  
 Prepared by Daniel J. Brouillette, NIU Co-Weather Dir.

