

MONTHLY CLIMATE SUMMARY, APRIL, 2010
NIU WEATHER SERVICE, DEKALB, IL

Day	Record HI	Record LO	Average			Obs. HI	Obs. LO	Obs. Avg.	GDD	CDD	HDD	Precip. (in)	Snowfall (in)
			HI	Average LO	HI								
1	84	16	54	33	78	47	62.5	12.5	0	2.5	0.00	0.0	
2	83*	14	52	33	83*	50	66.5	16.5	1.5	0	0.00	0.0	
3	80	14	55	34	78	51	64.5	14.5	0	0.5	0.09	0.0	
4	79	13	54	33	58	42	50	0	0	15	0.15	0.0	
5	80	15	52	32	73	45	59	9	0	6	1.06	0.0	
6	83	12	55	32	70	47	58.5	8.5	0	6.5	0.90	0.0	
7	79	8	56	32	75	48	61.5	11.5	0	3.5	0.23	0.0	
8	83	12	56	32	51	34	42.5	0	0	22.5	0.06	0.0	
9	77	18	52	32	40	31	35.5	0	0	29.5	0.00	0.0	
10	92	17	55	33	58	32	45	0	0	20	0.00	0.0	
11	90	18	56	35	73	43	58	8	0	7	0.00	0.0	
12	82	18	57	36	64	49	56.5	6.5	0	8.5	0.00	0.0	
13	82	18	58	37	72	49	60.5	10.5	0	4.5	0.01	0.0	
14	84	20	59	38	71	48	59.5	9.5	0	5.5	0.00	0.0	
15	85	17	60	38	83	49	66	16	1	0	0.00	0.0	
16	87	16	59	39	82	58	70	20	5	0	0.00	0.0	
17	87	22	61	38	64	37	50.5	0.5	0	14.5	0.00	0.0	
18	87	21	63	40	60	34	47	0	0	18	0.00	0.0	
19	90	22	64	41	60	36	48	0	0	17	0.00	0.0	
20	84	22	63	43	59	37	48	0	0	17	0.00	0.0	
21	90	22	62	41	65	39	52	2	0	13	0.00	0.0	
22	91	20	61	39	73	36	54.5	4.5	0	10.5	0.00	0.0	
23	91	22	62	40	69	37	53	3	0	12	0.00	0.0	
24	85	17	62	40	61	45	53	3	0	12	0.20	0.0	
25	85	21	64	41	61	53	57	7	0	8	0.74	0.0	
26	92	25	68	42	61	43	52	2	0	13	0.02	0.0	
27	91	22	66	43	63	39	51	1	0	14	0.00	0.0	
28	88	25	64	41	56	34	45	0	0	20	0.00	0.0	
29	89	25	62	42	64	37	50.5	0.5	0	14.5	0.00	0.0	
30	92	29	65	43	79	51	65	15	0	0	T	0.0	

*A NEW RECORD HIGH was recorded on the 2nd; the previous record was 81, which was set in 1956 at the former Sycamore site.

Temperature

1971-2000 AVG. HI: 59.2(F)
 1971-2000 AVG. LOW: 37.5(F)
 1971-2000 AVG. TEMP: 48.6(F)
 April 2010 AVG. HI: 66.8(F)
 April 2010 AVG. LO: 42.7(F)
 April 2010 AVG. TEMP: 54.8(F)

Precipitation

April TOTAL: 3.46 in.
 April AVG: 3.52 in.
 SNOW: 0.0 in.
 AVG SNOW: 1.1 in
 liquid equivalent YEAR TO DATE: 7.22 in.
 liquid equivalent YEAR TO DATE AVG: 8.93 in.
 2009-10 Seasonal SNOW TO DATE: 42.9 in.
 Seasonal SNOW AVG: 35.0 in.

Degree Days

COOLING: 4/10: 7.5
 1/10-Now: 7.5
 HEATING: 4/10: 315
 7/09-Now: 6402.5
 GROWING: 4/10: 181.5
 1/10-Now: 183

Discussion

April 2010 temperatures were much above 30-year (1971-2000) historical averages. The monthly average temperature was 6.2 degrees above the historical average so that this April was the fourth warmest on record since 1948. At 7.6 and 5.2 degrees above historical averages, respectively, the monthly average high and low temperatures were third and second warmest on record, respectively, since 1948. The warmest temperatures were recorded during the first week of the month, when the year's first temperature of 70 degrees or higher was recorded on the 1st and the year's first temperature of 80 degrees or higher was recorded on the 2nd (a record high for that date), and during mid-month.

The monthly total liquid-equivalent precipitation of 3.46 in. was only 0.06 in. less the historical average, and no snowfall was recorded. While precipitation was very near the historical average, this month does mark the fourth in a row for which below-average precipitation was recorded. Also, the precipitation lacked even distribution, as nearly all it fell either between the 3rd and the 8th or between the 24th and the 26th. The largely dry conditions between the 8th and the 24th permitted soils to dry and agricultural fieldwork to begin in DeKalb County. Going forward, the 24 April NOAA Climate Prediction Center Crop Moisture Report indicates "slightly dry/favorably moist" soil conditions over all northern Illinois.

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

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

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

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

