

## MONTHLY CLIMATE SUMMARY, APRIL 2012

### NIU WEATHER SERVICE: DE KALB, ILL.

Day	Record HI	Record LO	Average HI	Average LO	Obs. HI	Obs. LO	Obs. Avg.	GDD	CDD	HDD	Precip (in.)	Snowfall (in.)
1	84	16	56	34	55	26	40.5	0	24.5	0	0	0
2	81	14	53	34	39	23	31	0	34	0	0	0
3	80	14	57	35	42	23	32.5	0	32.5	0	0	0
4	79	13	56	34	45	25	35	0	30	0	0	0
5	80	15	53	33	58	25	41.5	0	23.5	0	0	0
6	83	12	55	33	49	33	41	0	24	0	0	0
7	79	8	56	33	65	33	49	0	16	0	0.23	0
8	83	12	55	33	59	39	49	0	16	0	0.48	0
9	77	18	52	33	66	42	54	0	11	4	0.05	0
10	92	17	54	34	58	35	46.5	0	18.5	0	0.34	0
11	90	18	57	35	40	35	37.5	0	27.5	0	1.44	0
12	82	18	57	37	47	34	40.5	0	24.5	0	0.03	0
13	82	18	56	37	43	32	37.5	0	27.5	0	0.01	T
14	84	20	58	37	44	32	38	0	27	0	0.01	T
15	85	17	61	39	71	38	54.5	0	10.5	4.5	0.1	0
16	87	16	61	40	63	36	49.5	0	15.5	0	0.28	0
17	87	22	60	39	53	38	45.5	0	19.5	0	T	0
18	87	21	62	39	53	42	47.5	0	17.5	0	4.01	0
19	90	22	64	42	61	34	47.5	0	17.5	0	0.42	0
20	84	22	63	41	38	28	33	0	32	0	0.01	T
21	90	22	63	41	46	29	37.5	0	27.5	0	0	0
22	91	20	60	39	53	33	43	0	22	0	0	0
23	91	22	61	40	65	40	52.5	0	12.5	2.5	0.02	0
24	85	17	62	40	52	33	42.5	0	22.5	0	0.77	T
25	85	21	67	43	51	35	43	0	22	0	0.03	0
26	92	25	68	43	51	37	44	0	21	0	0.01	0
27	91	22	66	42	66	41	53.5	0	11.5	3.5	0	0
28	88	25	64	41	65	44	54.5	0	10.5	4.5	0	0
29	89	25	63	42	66	49	57.5	0	7.5	7.5	0	0
30	92	29	66	44	73	50	61.5	0	3.5	11.5	0	0

**Temperature**

1981-2010 AVG. HI: 59.5(F)  
 1981-2010 AVG. LOW: 37.8(F)  
 1981-2010 AVG. TEMP.: 48.7(F)  
 April 2013 AVG. HI: 54.6(F)  
 April 2013 AVG. LO: 34.8(F)  
 April 2013 AVG. TEMP.: 44.7(F)

**Precipitation**

April 2013 TOTAL: 8.24in.  
 April AVG.: 3.26 in.  
 April 2013 SNOW: T  
 April SNOW AVG: 0.8 in.  
 2013 liquid-eq. YEAR TO DATE: 16.27in.  
 liquid-eq. YEAR TO DATE AVG.: 8.54 in.  
 2012-13 Seasonal SNOW TO DATE: 31.4in.  
 Seasonal SNOW TO DATE AVG.: 35.8 in.

**Degree Days**

COOLING: 4/13: 0  
 1/13-Now: 0  
 HEATING: 4/13: 609.5  
 7/12-Now: 6421  
 GROWING: 4/13: 38  
 1/13-Now: 38

**Discussion**

April 2013 featured temperatures near the historical (30-year, 1981-2010) averages, all of them being about 3-5 degrees below these historical averages. The average high this month was 54.6, down from the average 59.5. The average low was 34.8, compared to the normal 37.8. The average temp was 44.7, which is also below the norm of 48.7.

April had a near record precipitation total of 8.24 in., more than double the historical April average. This ranks April as the wettest since 1947, which had 8.27 inches of precip. The record amount of precipitation during the month of April was set in 1909 with 10.09 in. Precipitation amounts are clustered in the middle of the month with almost half of the total monthly amount (4.01 inches to be exact) falling on the 18<sup>th</sup>. This also sets the record for greatest one-day precipitation in the month of April. The previous record of 3.21 in. was set in 1909. Trace amounts of snowfall were recorded; the historical-average total is 0.8 in.

Year-to-date precipitation as of 30 April was 16.27 in., which is almost double the historical-average total of 8.54 in., due to the near record precip. amounts for this month. This also makes 2013 the wettest year ever so far (Jan – Apr) for DeKalb, the last one being in 1909 with 15.38 inches having fallen in the same time period.

Finally, we have had our first growing degree days of the year this month, with a total of 38 so far.

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This summary was prepared by Richard C. Medicott 30 April 2013. Forecast information (updated once daily at approx. 7:30 am): (847) 848-4082.

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

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

**April 2013 Daily Highs and Lows with 1981-2010 Average Highs and Lows**  
 Prepared by Richard Medicott, NIU Weather Director

