

# MONTHLY CLIMATE SUMMARY, OCTOBER 2011

## NIU WEATHER SERVICE: DE KALB, ILL.

Day	Record	Record	Average	Average	Obs.	Obs.	Obs.	GDD	CDD	HDD	Precip. (in)	Snowfall (in)
	HI	LO	HI	LO	HI	LO	Avg.					
1	93	28	73	45	60	36	48	0	0	17	T	0.0
2	90	25	70	45	58	36	47	0	0	18	0.00	0.0
3	89	26	67	44	66	36	51	1	0	14	0.00	0.0
4	92	27	68	45	72	44	58	8	0	7	0.00	0.0
5	89	26	66	43	76	44	60	10	0	5	0.00	0.0
6	92	20	67	44	80	44	62	12	0	3	0.00	0.0
7	87	26	66	43	80	52	66	16	1	0	0.00	0.0
8	89	22	65	43	82	55	68.5	18.5	3.5	0	0.00	0.0
9	86	23	66	43	82	53	67.5	17.5	2.5	0	0.00	0.0
10	87	21	64	42	79	53	66	16	1	0	0.00	0.0
11	86	20	64	40	76	54	65	15	0	0	0.00	0.0
12	84	22	66	41	77	57	67	17	2	0	0.00	0.0
13	87	21	65	42	77	52	64.5	14.5	0	0.5	0.38	0.0
14	85	21	63	41	63	45	54	4	0	11	0.12	0.0
15	88	21	63	42	59	43	51	1	0	14	0.00	0.0
16	85	25	63	41	61	43	52	2	0	13	0.06	0.0
17	87	22	62	40	59	36	47.5	0	0	17.5	0.16	0.0
18	86	18	60	39	56	36	46	0	0	19	T	0.0
19	86	18	60	39	52	38	45	0	0	20	0.00	0.0
20	86	18	59	38	45	41	43	0	0	22	0.12	0.0
21	87	22	59	39	47	32	39.5	0	0	25.5	T	0.0
22	84	20	59	38	56	31	43.5	0	0	21.5	0.00	0.0
23	83	22	58	37	66	37	51.5	1.5	0	13.5	0.00	0.0
24	80	18	58	39	68	38	53	3	0	12	0.25	0.0
25	77	22	57	38	63	41	52	2	0	13	0.00	0.0
26	82	15	58	39	72	46	59	9	0	6	0.06	0.0
27	82	19	57	40	48	41	44.5	0	0	20.5	0.01	0.0
28	78	19	56	37	51	34	42.5	0	0	22.5	T	0.0
29	80	15	58	36	56	32	44	0	0	21	0.00	0.0
30	83	13	58	38	53	31	42	0	0	23	0	0.0
31	85	16	58	37	54	34	44	0	0	21	0.12	0.0

### Temperature

1981-2010 AVG. HI: 65.7(F)  
 1981-2010 AVG. LOW: 40.5(F)  
 1981-2010 AVG. TEMP.: 51.4(F)  
 October 2011 AVG. HI: 64.3(F)  
 October 2011 AVG. LO: 41.8(F)  
 October 2011 AVG. TEMP.: 53.1(F)

### Precipitation

October 2011 TOTAL: 1.28 in.  
 October AVG.: 2.85 in.  
 October 2011 SNOW: 0  
 October SNOW AVG: 0.1 in.  
 2011 liquid-eq. YEAR TO DATE: 36.05 in.  
 liquid-eq. YEAR TO DATE AVG.: 32.83 in.  
 2011-12 Seasonal SNOW TO DATE: 0  
 Seasonal SNOW TO DATE AVG.: 0.1 in.

### Degree Days

COOLING: 10/11: 10  
 1/11-Now: 898.5  
 HEATING: 10/11: 380.5  
 7/11-Now: 578.5  
 GROWING: 10/11: 168  
 1/11-Now: 2820.5

### Discussion

October 2011 featured temperatures slightly above the historical (30-year, 1981-2010) average overall. The monthly average temperature of 53.1 degrees was 1.7 degrees above the historical average of 51.4 degrees. This positive anomaly in the monthly mean temperature was due to a positive anomaly in low temperatures. Indeed, the monthly average low temperature of 41.8 degrees was 1.3 degrees above the historical average, whereas the monthly average high temperature of 64.3 degrees was 1.4 degrees below the historical average. Temperatures were warmest relative to historical averages during a period from the 4<sup>th</sup> to the 13<sup>th</sup>; otherwise, they were near to somewhat below historical averages. The first freeze occurred on the 21<sup>st</sup>, which ended a 170-day growing season that began on 04 May.

October had a liquid-equivalent precipitation total below the historical average. The total was 1.28 in., some 45 percent of the historical average of 2.85 in. The first 12 days of the month had no measurable precipitation. Thereafter, precipitation exhibited fairly even temporal distribution. The year-to-date liquid-equivalent precipitation total remains above the historical average at 36.05 in., some 110 percent of the historical average. No snow occurred during the month.

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 This summary was prepared by Daniel J. Brouillette, 31 October 2011. Forecast information (updated once daily at approx. 7:30 am): (815) 753-1623.  
 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.**

**October 2011 Daily Highs and Lows with 1981-2010 Average Highs and Lows**  
 Prepared by Daniel J. Brouillette, NIU Weather Director

