

MONTHLY CLIMATE SUMMARY, JUNE, 2002
NIU WEATHER SERVICE, DEKALB, IL

Day	Record HI	Record LO	Average HI	Average LO	Obs. HI	Obs. LO	Obs. Avg.	CDD	HDD	Precip. (in)	Snowfall (in)
1	106	34	77	54	84	61	72.5	7.5	0	T	0.0
2	97	38	78	54	91	60	75.5	10.5	0	0.00	0.0
3	102	34	78	55	74	55	64.5	0	0.5	0.04	0.0
4	97	34	79	56	77	55	66	1	0	2.20	0.0
5	98	33	79	56	67	57	62	0	3	2.03	0.0
6	98	40	80	57	61	49	55	0	10	T	0.0
7	97	38	81	57	71	52	61.5	0	3.5	0.00	0.0
8	98	35	81	57	77	55	66	1	0	0.00	0.0
9	93	35	81	57	83	61	72	7	0	0.00	0.0
10	103	36	81	57	89	65	77	12	0	0.00	0.0
11	102	36	82	58	87	70	78.5	13.5	0	0.10	0.0
12	95	38	82	59	80	67	73.5	8.5	0	0.35	0.0
13	95	42	82	59	77	57	67	2	0	0.03	0.0
14	96	39	82	59	70	55	62.5	0	2.5	0.01	0.0
15	96	39	82	60	67	54	60.5	0	4.5	0.01	0.0
16	95	37	82	60	78	54	66	1	0	0.00	0.0
17	99	37	82	60	77	58	67.5	2.5	0	0.01	0.0
18	96	44	83	60	80	58	69	4	0	T	0.0
19	99	42	83	60	84	63	73.5	8.5	0	0.00	0.0
20	99	37	83	60	83	69	76	11	0	0.00	0.0
21	100	38	82	60	91	71	81	16	0	0.00	0.0
22	99	40	82	59	92	70	81	18	0	0.00	0.0
23	103	39	82	59	92	70	81	16	0	0.00	0.0
24	102	40	83	60	92	68	80	15	0	0.00	0.0
25	99	43	83	60	92	72	82	17	0	0.00	0.0
26	101	45	83	61	88	68	78	13	0	0.04	0.0
27	100	40	83	62	85	66	75.5	10.5	0	0.21	0.0
28	101	41	83	61	80	62	71	6	0	0.00	0.0
29	101	40	83	61	85	65	75	10	0	0.00	0.0
30	102	39	83	61	86	68	77	12	0	0.00	0.0

Temperature

1896-1995 AVG. HI: 81.5(F)
 1896-1995 AVG. LOW: 58.4(F)
 1896-1995 AVG. TEMP: 70.2(F)
 June 2002 AVG. HI: 81.3(F)
 June 2002 AVG. LO: 61.8(F)
 June 2002 AVG. TEMP: 71.6(F)

Precipitation

June TOTAL: 5.03 in
 June AVG: 4.46 in.
 SNOW: 0.0 in.
 YEAR TO DATE: 18.15 in
 YEAR TO DATE AVG: 16.62 in

Degree Days

COOLING: 6/02: 221.5
 1/02-Now: 290.0
 HEATING: 6/02: 24.0
 7/01-Now: 6292.0

Discussion:

June might look normal by the numbers but it was characterized by several extreme precipitation and temperature events. Above average temperatures at the beginning of the month resulted in severe weather in the form of wind damage and a 4.23 inch deluge on the 3rd and 4th of the month. These two days were responsible for over 80% of the rainfall for the month. This heavy rainfall event was accompanied by six days of below 80 degree temperatures.

The month turned warm and dry following the cool spell. A tenth of an inch of precipitation or more was recorded only three times the rest of the month. A streak of five days of above 90 degree heat was recorded on the 21st through 25th, bringing June to near normal temperature and precipitation monthly averages.

One other severe weather event occurred on June 10th to areas just northwest of DeKalb in the form of wind damage. The heavy rains early in the month will have an effect on the yields come harvest time this fall due to ponding in fields.