

MONTHLY CLIMATE SUMMARY, SEPTEMBER, 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)	Snow fall (in)
1	100	39	81	58	83	64	73.5	8.5	0	0.00	0.0
2	101	35	80	58	84	65	74.5	9.5	0	0.00	0.0
3	99	40	80	57	83	62	72.5	7.5	0	0.38	0.0
4	100	41	80	57	80	57	68.5	3.5	0	0.00	0.0
5	99	40	79	56	82	57	69.5	4.5	0	0.00	0.0
6	100	36	79	56	81	60	70.5	5.5	0	0.00	0.0
7	101	37	79	55	85	61	73	8	0	0.00	0.0
8	99	37	79	55	88	65	76.5	11.5	0	0.00	0.0
9	96	39	79	55	91	66	78.5	13.5	0	0.00	0.0
10	96	36	79	55	90	67	78.5	13.5	0	0.00	0.0
11	94	30	78	55	88	52	70	5	0	0.03	0.0
12	96	32	78	55	74	51	62.5	0	2.5	0.00	0.0
13	98	33	77	54	78	52	65	0	0	0.00	0.0
14	100	29	76	53	78	54	66	1	0	0.00	0.0
15	101	33	75	53	83	58	70.5	5.5	0	0.00	0.0
16	92	30	75	52	72	49	60.5	0	4.5	0.00	0.0
17	94	33	74	52	79	50	64.5	0	0.5	0.00	0.0
18	97	30	74	52	78	53	65.5	0.5	0	0.37	0.0
19	93	32	73	51	79	60	69.5	4.5	0	0.01	0.0
20	93	28	72	50	82	69	75.5	10.5	0	0.37	0.0
21	94	32	71	48	71	55	63	0	2	0.24	0.0
22	92	29	70	47	78	50	64	0	1	0.21	0.0
23	91	30	70	47	67	41	54	0	11	0.00	0.0
24	91	30	71	47	70	37	53.5	0	11.5	0.00	0.0
25	93	25	71	48	64	38	51	0	14	0.00	0.0
26	93	26	71	48	73	48	60.5	0	4.5	0.00	0.0
27	89	27	72	48	77	51	64	0	1	0.00	0.0
28	91	23	71	47	66	48	57	0	8	0.00	0.0
29	96	28	71	47	76	49	62.5	0	2.5	0.01	0.0
30	93	22	71	46	86	61	73.5	8.5	0	0.00	0.0

Temperature

1896-1995 AVG. HI: 75.5(F)
 1896-1995 AVG. LOW: 52.5(F)
 1896-1995 AVG. TEMP: 64.2(F)
 September 2002 AVG. HI: 78.9(F)
 September 2002 AVG. LO: 55.0(F)
 September 2002 AVG. TEMP: 66.9(F)

Precipitation

September TOTAL: 1.62in
 September AVG: 3.68in.
 SNOW: 0.0in.
 YEAR TO DATE: 27.16in.
 YEAR TO DATE AVG: 28.79in.

Degree Days

COOLING: 9/02: 121
 1/02-Now: 1010.5
 HEATING: 9/02: 63
 7/02-Now: 65.0

Discussion

Above average temperatures and well below average precipitation were the highlights in September. The 66.9°F average temperature this month was 2.7°F above the monthly average of 64.2°F, which makes September 2002 the 15th warmest on record dating back to 1896. September was also another dry month as only 1.62 inches was recorded. This amount was over 2 inches below the average of 3.68 inches and the 19th driest September on record. All of the precipitation this month was associated with two storm systems, the first coming through the area on September 2nd and 3rd, when 0.38 inches was measured. The other precipitation event was on the 17th – 22nd when a total of 1.2 inches fell across the area. The more than 2 inch deficit in precipitation this month once again drops us below the annual average by 1.63 inches.

If you thought the last 4 months have been warm in Dekalb, you are right. Dekalb has averaged 2.54°F above normal since June, making this the 3rd warmest June-September period on record in Dekalb.

Walter Pekovitch, Michael Sandstrom, Weather Directors/Cooperative Observers, NIU
 Forecast Information (updated once daily at approx. 7:30 am): (815) 753-1623

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