

MONTHLY CLIMATE SUMMARY, SEPTEMBER 2005

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	100	39	81	58	79	58	68.5	3.5	0	0	0.0
2	101	35	80	58	82	55	68.5	3.5	0	0	0.0
3	99	40	80	57	82	54	68	3	0	0	0.0
4	100	41	80	57	82	54	68	3	0	0	0.0
5	99	40	79	56	80	60	70	5	0	0	0.0
6	100	36	79	56	88	62	75	10	0	0	0.0
7	101	37	79	55	87	63	75	10	0	0	0.0
8	99	37	79	55	89	64	76.5	11.5	0	0	0.0
9	96	39	79	55	82	62	72	7	0	T	0.0
10	96	36	79	55	88	63	75.5	10.5	0	0	0.0
11	94	30	78	55	92	67	79.5	14.5	0	0	0.0
12	96	32	78	55	91	68	79.5	14.5	0	0	0.0
13	98	33	77	54	90	68	79	14	0	0	0.0
14	100	29	76	53	91	64	77.5	12.5	0	0.29	0.0
15	101	33	75	53	75	55	65	0	0	0	0.0
16	92	30	75	52	66	55	60.5	0	4.5	0.49	0.0
17	94	33	74	52	72	52	62	0	3	0	0.0
18	97	30	74	52	79	52	65.5	0.5	0	0	0.0
19	93	32	73	51	83	58	70.5	5.5	0	0.09	0.0
20	93	28	72	50	84	58	71	6	0	0.06	0.0
21	94	32	71	48	84	59	71.5	6.5	0	0	0.0
22	92	29	70	47	88	59	73.5	8.5	0	0.02	0.0
23	91	30	70	47	88	55	71.5	6.5	0	T	0.0
24	91	30	71	47	68	55	61.5	0	3.5	0	0.0
25	93	25	71	48	69	62	65.5	0.5	0	0.45	0.0
26	93	26	71	48	76	63	69.5	4.5	0	0.05	0.0
27	89	27	72	48	68	48	58	0	7	T	0.0
28	91	23	71	47	77	48	62.5	0	2.5	0	0.0
29	96	28	71	47	72	38	55	0	10	0.08	0.0
30	93	22	71	46	62	38	50	0	15	0	0.0

****New Record***

Temperature

1896-1995 AVG. HI: 75.5°F
 1896-1995 AVG. LOW: 52.5°F
 1896-1995 AVG. TEMP: 64.2 °F
 September 2005 AVG. HI: 80.5 °F
 September 2005 AVG. LO: 57.2 °F
 September 2005 AVG. TEMP: 68.9 °F

Precipitation

September TOTAL: 1.53 in.
 September AVG: 3.68 in.
 SNOW: 0.0 in.
 AVG SNOW: 0.0"
 YEAR TO DATE: 19.46 in.
 YEAR TO DATE AVG: 28.79 in.

Degree Days

COOLING: 9/05: 161
 1/05-Now: 1030
 HEATING: 9/05: 45.5
 7/05-Now: 49

Discussion

September continued the trend seen for the last 5 months of above average temperatures and below average precipitation- more bad news for local crops. The monthly average temperature (68.9°) is the second warmest September we've had since records have been kept (1896). Only 7 days saw daily high temperatures below the 100 year averages. Similarly, on only 5 occasions did the overnight low dip below average, the last 2 occurring on the last days of the month as we dropped into the upper 30's. While the 1.53" of rain we saw leaves the month as the 20th driest September on record, the period from March thru September (the growing season) with 14.79" of precipitation now represents the driest Mar-Sept period on record for DeKalb. The dry spell which closed August combined with a lack of any measurable rainfall the first 2 weeks of September to produce a period of 24 consecutive days with no precipitation. Overall, DeKalb received less than half of its long-term average moisture for the month. As a result, precipitation continues to be well below average for the year.

Matt Becker, Elliott Sidell, and Bill Oswald, Weather Directors/Cooperative Observers, NIU

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

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