

MONTHLY CLIMATE SUMMARY, MAY 2019

NIU WEATHER SERVICE: DE KALB, IL.

Day	Record		Average		Obs.	Obs.	Obs.	CDD	HDD	GDD	Precip. (in)	Snowfall (in)
	HI	LO	HI	LO	HI	LO	Avg.					
1	89	27	64	43	49	40	44.5	0	20.5	0	0.85	0
2	90	27	65	44	55	43	49	0	16	0	0.26	0
3	89	28	65	44	49	41	45	0	20	0	0.58	0
4	90	26	66	43	56	39	47.5	0	17.5	0	0.01	0
5	92	27	68	45	66	40	53	0	12	3	0	0
6	94	28	70	46	73	48	60.5	0	4.5	10.5	0.02	0
7	89	24	71	47	68	45	56.5	0	8.5	6.5	0.51	0
8	89	28	68	47	68	44	56	0	9	6	0.09	0
9	95	25	72	49	69	46	57.5	0	7.5	7.5	0.96	0
10	90	25	72	48	62	40	51	0	14	1	0	0
11	91	24	72	48	58	40	49	0	16	0	0	0
12	92	29	70	47	52	41	46.5	0	18.5	0	0.05	0
13	88	29	68	47	52	41	46.5	0	18.5	0	0.07	0
14	90	28	68	46	63	41	52	0	13	2	0	0
15	90	31	69	47	70	45	57.5	0	7.5	7.5	0	0
16	91	29	69	47	75	51	63	0	2	13	0	0
17	92	33	73	48	77	55	66	1	0	16	0.66	0
18	94	31	72	49	56	46	51	0	14	1	0.07	0
19	95	30	71	50	70	46	58	0	7	8	0.62	0
20	95	32	73	50	71	44	57.5	0	7.5	7.5	0	0
21	94	31	72	49	55	43	49	0	16	0	0.02	0
22	93	35	73	49	57	44	50.5	0	14.5	0.5	0.48	0
23	93	30	73	51	80	52	66	1	0	16	0.59	0
24	94	33	73	50	73	54	63.5	0	1.5	13.5	0.14	0
25	92	28	71	50	74	54	64	0	1	14	0.24	0
26	97	31	70	50	79	65	72	7	0	22	0	0
27	97	30	72	51	75	55	65	0	0	15	0.02	0
28	96	33	72	51	75	55	65	0	0	15	0.16	0
29	93	31	74	53	64	53	58.5	0	6.5	8.5	0.84	0
30	94	35	76	54	72	55	63.5	0	1.5	13.5	0.56	0
31	107	35	78	56	78	59	68.5	3.5	0	18.5	0	0

Temperature

1981-2010 AVG. HI: 71.3 (F)
 1981-2010 AVG. LOW: 48.3 (F)
 1981-2010 AVG. TEMP.: 59.8 (F)
 May 2019 AVG. HI: 65.8 (F)
 May 2019 AVG. LO: 47.3 (F)
 May 2019 AVG. TEMP.: 56.6 (F)

Precipitation

May 2019 TOTAL: 7.80 in.
 May AVG.: 4.55 in.
 May 2019 SNOW: 0.0 in.
 May SNOW AVG: 0
 2019 liquid-eq. YEAR TO DATE: 18.73 in.
 liquid-eq. YEAR TO DATE AVG.: 13.09 in.
 2018-19 Seasonal SNOW TO DATE: 53.6 in.
 Seasonal SNOW TO DATE AVG.: 35.8 in.

Degree Days

COOLING: 5/19: 12.5
 2/19-Now: 12.5
 5/19: 274.5
 HEATING: 7/18-Now: 7210
 GROWING: 5/19: 226
 2/19-Now: 301.5

Discussion

The month of May 2019 was cooler than average with an average temperature of 56.6 degrees Fahrenheit, 3.2 degrees cooler than the average for the month of May. Mays average high of 65.8 degrees was 5.5 degrees cooler than the historical average, putting it at the 5 coolest average high temperature for the month of May. The only Mays with cooler average high temperatures are, in descending order, 1997, 2002, 1990, and 1996. The average low temperature of 47.3 degrees, was 1 degree cooler than the historical average. May 2019 had 11 days with at or above average highs and 19 days with at or above average lows. May had its highest temperature on the 26th at 79 degrees; which was 9 degrees above the average for that day. No temperature-based records were broken for the month of May 2019.

May 2019 has also been the 5th wettest May on record (dating back to 1895). The precipitation total for May 2019 was 7.8 in., which was 3.25 in. above the 30-year average. The only wetter Mays occurred in 1941 (7.84 inches), 1902 (7.97 inches), 1996 (9.47 inches), 2004 (10.44 inches). This puts the 2019 year to date liquid equivalent at 18.73 in, which is 5.64 inches above average. More precipitation fell during the second half of the month as 56% of the precipitation fell on or after the 16th of May. While coming close, there were no records for precipitation broken during May of 2019.

There were 226 Growing Degree Days (GDDs) during the month, putting the total since February of 2019 to 301.5 GDDs. The month of May 2019 also had 12.5 Cooling Degree Days (CDDs). The total number of CDDs since February is now 12.5. For Heating Degree Days (HDDs), there have been 274.5 HDDs this month. This puts the total number of HDDs since July of 2018 to a total of 7210 HDDs.

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This summary was prepared by Nick Rodeo on June 24th 2019. Forecast information (updated once daily at approx. 7:30 am): (815) 753-1623.
 Climate Website: <http://climate.niu.edu>

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May 2019 Daily Highs and Lows with 1981-2010 Average Highs and Lows
 Prepared by Nick Rodeo, NIU Weather Director

