

## Historical Climate Data

### Precipitation Summary

Station: 115079 LINCOLN, IL

#### 1971-2000 NCDC Normals

Element	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Prec. (in)	1.70	1.55	3.11	3.63	4.42	3.97	4.35	4.00	3.13	2.81	3.00	2.63	38.30

#### Precipitation Extremes

Period of Record: 1906-2001

Month	High (in)	Year	Low (in)	Year	1-Day Max (in)	Date
Jan	6.23	1949	0.04	1986	2.28	01-10-1975
Feb	4.61	1942	0.12	1987	2.09	02-04-1942
Mar	7.14	1973	0.47	1910	3.50	03-11-1939
Apr	10.39	1957	0.56	1971	3.96	04-30-1998
May	12.70	1995	0.74	1934	5.22	05-12-1914
Jun	9.83	1947	0.42	1936	4.71	06-28-1951
Jul	15.93	1992	0.54	1940	4.64	07-22-1990
Aug	8.50	1907	0.31	1943	3.51	08-30-1959
Sep	14.31	1911	0.17	1940	3.55	09-20-1986
Oct	11.07	1941	0.24	1964	3.73	10-04-1991
Nov	7.55	1992	0.02	1933	2.50	11-02-1936
Dec	9.52	1982	0.20	1958	5.18	12-03-1982
Annual	50.84	1927	23.87	1940	5.22	05-12-1914
Winter	15.57	1950	1.46	1920	5.18	12-03-1982
Spring	19.75	1995	4.64	1936	5.22	05-12-1914
Summer	23.76	1981	3.15	1988	4.71	06-28-1951
Fall	22.14	1926	3.17	1953	3.73	10-04-1991

## Precipitation Threshold Climatology

Derived from 1971-2000 Averages:

\*Annual/seasonal totals may differ from the sum of the monthly totals due to rounding.

Month	# Days Total $\geq 0.01''$	# Days Total $\geq 0.10''$	# Days Total $\geq 0.50''$	# Days Total $\geq 1.00''$
Jan	8.2	4.3	0.7	0.2
Feb	7.4	3.9	0.8	0.2
Mar	10.2	6.6	2.2	0.5
Apr	11.9	7.5	2.2	0.7
May	10.9	7.4	3.0	1.2
Jun	9.0	6.1	2.9	1.1
Jul	9.3	6.2	2.8	1.3
Aug	8.8	5.9	2.8	1.1
Sep	8.2	5.3	2.2	0.7
Oct	8.3	5.3	2.0	0.6
Nov	9.8	6.5	2.1	0.7
Dec	9.4	5.6	1.5	0.5
Annual	111.4	70.7	25.4	8.8
Winter	25.0	13.8	3.0	0.9
Spring	32.9	21.5	7.4	2.3
Summer	27.1	18.2	8.5	3.6
Fall	26.3	17.1	6.4	2.0

## Temperature Summary

Station 115079 LINCOLN, IL

### 1971-2000 NCDC Normals

Element	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
High °F	32.5	38.3	50.4	63.1	74.0	83.0	86.0	84.0	78.0	66.5	50.7	37.9	62.0
Low °F	14.7	19.3	28.7	38.6	49.8	60.7	63.9	61.5	52.6	40.9	31.2	20.6	40.2
Mean °F	23.6	28.8	39.6	50.9	61.9	71.9	75.0	72.8	65.3	53.7	41.0	29.3	51.2
HDD	1283	1014	789	429	173	15	1	15	77	361	722	1108	5987
CDD	0	0	0	4	77	220	309	254	86	12	0	0	962

HDD - heating degree days (base 65F); CDD - cooling degree days (base 65F)

### Temperature Extremes

Period of Record: 1906-2001

Month	High Mean °F	Year	Low Mean °F	Year	1-Day Max °F	Date	1-Day Min °F	Date
Jan	38.4	1933	11.3	1918	70	01-06-1907	-25	01-05-1999
Feb	40.1	1930	18.1	1979	75	02-27-1996	-23	02-27-1934
Mar	52.6	1946	26.2	1960	86	03-29-1985	-14	03-10-1934
Apr	59.6	1955	44.3	1907	93	04-11-1930	14	04-05-1920
May	71.0	1962	56.8	1924	102	05-31-1934	24	05-10-1966
Jun	79.5	1934	66.1	1928	105	06-01-1934	35	06-11-1913
Jul	85.1	1936	71.3	1924	113	07-15-1936	41	07-15-1930
Aug	82.0	1947	67.9	1927	106	08-09-1934	36	08-31-1915
Sep	72.9	1925	59.6	1918	104	09-06-1954	22	09-26-1928
Oct	64.8	1963	45.7	1925	95	10-02-1953	7	10-30-1925
Nov	51.1	1931	34.5	1996	92	11-02-1946	-3	11-28-1930
Dec	39.9	1923	15.6	1983	72	12-03-1970	-29	12-26-1914
Annual	57.8	1961	49.5	1917	113	07-15-1936	-29	12-26-1914
Winter	37.8	1932	21.0	1978	75	02-27-1996	-29	12-26-1914
Spring	58.5	1977	47.0	1984	102	05-31-1934	-14	03-10-1934
Summer	80.0	1936	69.9	1927	113	07-15-1936	35	06-11-1913
Fall	60.9	1931	50.0	1976	104	09-06-1954	-3	11-28-1930

## Temperature Threshold Climatology

Derived from 1971-2000 Averages:

\*Annual/seasonal values may differ from the sum of the monthly values due to rounding.

Month	# Days High $\geq 90^{\circ}\text{F}$	# Days High $\leq 32^{\circ}\text{F}$	# Days Low $\leq 32^{\circ}\text{F}$	# Days Low $\leq 0^{\circ}\text{F}$
Jan	0.0	14.6	28.8	4.5
Feb	0.0	8.5	23.6	2.7
Mar	0.0	2.0	19.0	0.1
Apr	0.1	0.1	5.6	0.0
May	1.1	0.0	0.1	0.0
Jun	6.0	0.0	0.0	0.0
Jul	9.0	0.0	0.0	0.0
Aug	6.2	0.0	0.0	0.0
Sep	2.5	0.0	0.1	0.0
Oct	0.0	0.0	5.4	0.0
Nov	0.0	1.3	16.5	0.0
Dec	0.0	8.1	26.3	2.1
Annual	25.4	33.9	124.1	9.2
Winter	0.0	31.2	78.7	9.3
Spring	1.2	2.1	25.1	0.1
Summer	21.3	0.0	0.0	0.0
Fall	2.5	1.3	22.0	0.0

## Snowfall Summary

Station: 115079 LINCOLN, IL

### 1971-2000 Averages

Element	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Snow (in)	7.0	4.7	2.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	1.2	5.2	20.7

### Snowfall Extremes

Period of Record: 1906-2001

Month	High (in)	Year	1-Day Max (in)	Date
Jan	20.0	1987	11.0	01-13-1927
Feb	24.0	1914	13.0	02-23-1914
Mar	21.0	1934	7.5	03-16-1960
Apr	7.8	1920	6.0	04-04-1920
May	0.0	-	-	-
Jun	0.0	-	-	-
Jul	0.0	-	-	-
Aug	0.0	-	-	-
Sep	0.0	-	-	-
Oct	2.8	1929	2.7	10-23-1929
Nov	10.0	1926	7.0	11-17-1926
Dec	21.5	1909	10.0	12-25-1909
Season (Jul-Jun)	45.0	1981-1982	13.0	02-23-1914

### Snowfall Threshold Climatology

Derived from 1971-2000 Averages

\*Annual values may differ from the sum of the monthly values due to rounding.

Month	# Days Total $\geq 0.1''$	# Days Total $\geq 1.0''$	# Days Total $\geq 2.0''$	# Days Total $\geq 5.0''$
Jan	3.1	1.7	0.9	0.2
Feb	3.1	1.7	0.9	0.2
Mar	1.5	0.9	0.5	0.0
Apr	0.3	0.2	0.1	0.0
May	0.0	0.0	0.0	0.0
Jun	0.0	0.0	0.0	0.0
Jul	0.0	0.0	0.0	0.0

Aug	0.0	0.0	0.0	0.0
Sep	0.0	0.0	0.0	0.0
Oct	0.0	0.0	0.0	0.0
Nov	0.7	0.5	0.4	0.0
Dec	3.3	2.0	0.9	0.2
Annual	12.6	7.6	4.3	0.7

## Growing Season Summary

Station: 115079 LINCOLN, IL

### Growing Degree Day Averages

Derived from 1971-2000 Data

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
40	9	36	149	382	716	973	1107	1037	795	461	154	31	5866
45	3	14	83	256	563	823	952	883	646	321	87	14	4657
50	0	4	43	153	413	673	797	729	498	202	43	6	3570
55	0	0	20	81	274	524	643	575	354	111	17	2	2605
60	0	0	7	36	159	377	488	421	227	50	5	0	1771
50**	6	24	96	234	445	651	760	705	516	287	90	19	3843

\*\*Modified Growing Degree Days: Base 50, Ceiling 86.

## Growing Season Summary

Derived from 1971-2000 Averages

Temp °F	Date of Last Spring Occurrence					Date of First Fall Occurrence				
	Median	Early	90%	10%	Late	Median	Early	90%	10%	Late
32	4/18	3/31	4/06	5/03	5/08	10/14	9/23	10/01	11/01	11/03
30	4/09	3/25	3/30	4/22	5/06	10/18	9/23	10/02	11/05	11/13
28	4/07	3/16	3/23	4/19	5/06	10/23	9/23	10/03	11/11	11/25
24	3/31	3/14	3/15	4/11	4/19	11/07	10/11	10/21	11/20	11/29
20	3/18	2/22	3/02	3/31	4/08	11/19	11/03	11/05	12/04	12/10
16	3/07	2/07	2/09	3/24	4/07	12/02	11/03	11/10	12/14	12/30

## Length of Growing Season (Days)

Derived from 1971-2000 Averages

Temp °F	Median	Shortest	10%	90%	Longest
32	177	151	167	199	211
30	191	170	176	213	221
28	199	171	177	227	245
24	222	190	204	245	257
20	250	217	220	268	283
16	270	222	239	298	304

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