

# Historical Climate Data

## Precipitation Summary

Station: 116711 PEORIA WSO AIRPORT, IL

### 1971-2000 NCDC Normals

Element	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Prec. (in)	1.50	1.67	2.83	3.56	4.17	3.84	4.02	3.16	3.12	2.77	2.99	2.40	36.03

### Precipitation Extremes

Period of Record: 1896-2001

Month	High (in)	Year	Low (in)	Year	1-Day Max (in)	Date
Jan	8.11	1965	0.07	1919	4.43	01-01-1965
Feb	5.37	1997	0.14	1907	2.83	02-06-1942
Mar	6.95	1973	0.39	1958	2.88	03-14-1944
Apr	8.66	1947	0.71	1971	5.06	04-24-1950
May	11.49	1915	0.47	1934	5.52	05-18-1927
Jun	11.69	1974	0.45	1936	4.74	06-24-1911
Jul	10.15	1993	0.33	1988	3.56	07-05-1953
Aug	8.61	1965	0.25	1992	4.32	08-29-1955
Sep	13.09	1961	0.03	1979	4.11	09-13-1961
Oct	10.53	1941	0.03	1964	3.62	10-10-1969
Nov	7.62	1985	0.07	1917	4.26	11-27-1990
Dec	6.34	1949	0.29	1930	2.52	12-24-1965
Annual	55.35	1990	22.16	1988	5.52	05-18-1927
Winter	13.18	1950	1.37	1963	4.43	01-01-1965
Spring	18.64	1927	3.36	1934	5.52	05-18-1927
Summer	24.18	1902	3.04	1988	4.74	06-24-1911
Fall	19.58	1926	3.11	1999	4.26	11-27-1990

## Precipitation Threshold Climatology

Derived from 1971-2000 Averages:

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

<b>Month</b>	<b># Days Total <math>\geq 0.01''</math></b>	<b># Days Total <math>\geq 0.10''</math></b>	<b># Days Total <math>\geq 0.50''</math></b>	<b># Days Total <math>\geq 1.00''</math></b>
Jan	9.9	4.1	0.7	0.2
Feb	8.5	3.9	0.9	0.3
Mar	10.9	6.1	1.8	0.4
Apr	11.7	7.2	2.3	0.8
May	11.6	7.9	2.8	1.0
Jun	9.6	6.4	2.5	0.8
Jul	9.2	5.9	2.7	1.3
Aug	9.3	5.6	2.3	0.8
Sep	8.4	5.6	2.3	0.9
Oct	9.2	5.6	1.9	0.6
Nov	10.2	5.8	2.0	0.6
Dec	10.1	5.1	1.5	0.6
Annual	118.7	69.3	23.7	8.3
Winter	28.5	13.1	3.1	1.1
Spring	34.3	21.3	6.9	2.2
Summer	28.1	18.0	7.5	2.9
Fall	27.8	17.0	6.2	2.1

## Temperature Summary

Station 116711 PEORIA WSO AIRPORT, IL

### 1971-2000 NCDC Normals

Element	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
High °F	30.7	36.6	49.4	62.0	73.0	82.2	85.7	83.6	76.7	64.4	48.8	35.5	60.7
Low °F	14.3	19.7	30.2	40.3	50.8	60.1	64.6	62.6	54.0	42.3	31.4	20.1	40.9
Mean °F	22.5	28.2	39.8	51.2	61.9	71.1	75.1	73.1	65.4	53.4	40.1	27.8	50.8
HDD	1316	1045	788	423	159	19	2	7	94	368	738	1138	6097
CDD	0	0	1	11	64	210	325	263	112	12	0	0	998

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

### Temperature Extremes

Period of Record: 1896-2001

Month	High Mean °F	Year	Low Mean °F	Year	1-Day Max °F	Date	1-Day Min °F	Date
Jan	37.6	1933	8.6	1977	71	01-23-1909	-25	01-17-1977
Feb	39.6	1998	14.7	1979	74	02-10-1932	-26	02-13-1905
Mar	50.1	1946	22.6	1960	87	03-21-1907	-11	03-08-1943
Apr	58.8	1915	43.4	1907	92	04-29-1899	14	04-05-1920
May	68.7	1934	55.1	1907	104	05-31-1934	25	05-10-1966
Jun	79.2	1934	65.8	1916	105	06-01-1934	39	06-04-1945
Jul	84.3	1936	71.1	1924	113	07-15-1936	46	07-26-1911
Aug	82.0	1947	67.2	1915	106	08-18-1936	41	08-26-1910
Sep	73.1	1931	58.3	1918	104	09-05-1899	24	09-28-1942
Oct	64.2	1963	43.4	1925	92	10-03-1922	7	10-30-1925
Nov	50.2	1931	32.0	1976	81	11-01-1937	-2	11-26-1977
Dec	38.6	1931	15.2	1983	71	12-03-1970	-24	12-28-1924
Annual	61.7	1900	47.8	1917	113	07-15-1936	-26	02-13-1905
Winter	36.2	1932	17.1	1979	74	02-10-1932	-26	02-13-1905
Spring	56.7	1977	44.4	1960	104	05-31-1934	-11	03-08-1943
Summer	78.9	1936	69.0	1915	113	07-15-1936	39	06-04-1945
Fall	60.8	1931	47.5	1976	104	09-05-1999	-2	11-26-1977

## 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	16.4	29.2	5.8
Feb	0.0	10.4	24.2	3.0
Mar	0.0	2.7	18.1	0.1
Apr	0.1	0.1	5.4	0.0
May	0.5	0.0	0.3	0.0
Jun	4.4	0.0	0.0	0.0
Jul	8.6	0.0	0.0	0.0
Aug	5.8	0.0	0.0	0.0
Sep	1.9	0.0	0.1	0.0
Oct	0.0	0.0	4.4	0.0
Nov	0.0	2.1	16.9	0.1
Dec	0.0	11.0	26.7	2.6
Annual	21.3	42.7	125.2	11.6
Winter	0.0	37.8	80.0	11.4
Spring	0.6	2.8	23.8	0.1
Summer	18.8	0.0	0.0	0.0
Fall	1.9	2.1	21.3	0.1

## Snowfall Summary

Station: 116711 PEORIA WSO AIRPORT, IL

### 1971-2000 Averages

Element	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Snow (in)	8.3	5.6	3.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	7.1	27.3

### Snowfall Extremes

Period of Record: 1896-2001

Month	High (in)	Year	1-Day Max (in)	Date
Jan	27.4	1979	12.2	01-13-1979
Feb	15.2	1989	6.4	02-10-1981
Mar	16.9	1960	8.1	03-25-1957
Apr	13.4	1982	5.9	04-08-1982
May	0.1	1966	0.1	05-08-1966
Jun	0.0	-	-	-
Jul	0.0	-	-	-
Aug	0.0	-	-	-
Sep	0.0	-	-	-
Oct	1.8	1967	1.4	10-26-1967
Nov	9.1	1974	6.8	11-26-1975
Dec	21.7	1977	8.0	12-11-2000
Season (Jul-Jun)	54.3	1978-1979	12.2	01-13-1979

### 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 ≥ 0.1"	# Days Total ≥ 1.0"	# Days Total ≥ 2.0"	# Days Total ≥ 5.0"
Jan	5.0	1.8	1.1	0.1
Feb	5.0	1.8	1.1	0.1
Mar	2.5	1.1	0.4	0.1
Apr	0.8	0.2	0.1	0.1
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	0.1	0.0	0.0	0.0
Nov	2.5	0.6	0.3	0.0
Dec	5.6	2.0	1.3	0.2
Annual	23.6	8.5	4.8	0.8

## Growing Season Summary

Station: 116711 PEORIA WSO AIRPORT, 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	7	27	135	359	690	945	1102	1041	776	436	132	23	5679
45	2	10	75	236	536	795	947	886	626	298	71	9	4496
50	0	2	38	138	386	645	792	731	479	182	33	3	3435
55	0	0	17	70	251	495	637	576	337	99	13	1	2501
60	0	0	6	30	142	348	482	422	213	43	3	0	1694
50**	4	17	83	210	423	630	756	708	495	257	72	12	3674

\*\*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	3/28	4/05	5/05	5/13	10/15	9/19	9/27	11/03	11/03
30	4/12	3/27	4/01	4/27	5/13	10/18	9/22	10/03	11/05	11/17
28	4/07	3/23	3/25	4/16	4/22	10/27	10/02	10/11	11/14	11/19
24	4/04	3/14	3/18	4/11	4/18	11/11	10/20	10/23	11/25	11/29
20	3/18	2/12	3/05	4/07	4/09	11/18	10/20	11/03	12/02	12/10
16	3/11	2/07	2/13	3/25	4/07	11/26	11/01	11/10	12/19	12/24

## Length of Growing Season (Days)

Derived from 1971-2000 Averages

Temp °F	Median	Shortest	10%	90%	Longest
32	176	150	159	200	204
30	189	150	172	210	222
28	205	176	187	224	232
24	220	194	210	246	255
20	244	194	219	265	282
16	267	220	235	287	288

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