

SWS Miscellaneous Publication 98-24
STATE OF ILLINOIS
DEPARTMENT OF NATURAL RESOURCES

Local Climatological Data Summary
Wheaton, Illinois
1936 - 1996

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LOCAL CLIMATOLOGICAL DATA FOR
WHEATON, ILLINOIS 1936-1996

Climatological Summary:

Wheaton (DuPage County) has a temperate continental climate, dominated by maritime tropical air from the Gulf of Mexico from about March through November. Gulf air generally supports relative humidities of about 60% during the day and 85% at night. This is the air mass which yields a "muggy" environment, particularly during June through August. During these months, there are occasional, brief interruptions of drier, cooler air from the Pacific Ocean, but they typically only last for a few days.

From November through March, the Wheaton area is dominated by Pacific Ocean air. However, four to six times each winter, cold, dry air from the Canadian Arctic breaks south, bringing temperatures into negative values. The highest temperature on record is 105° F recorded 14 July 1995, whereas the lowest is -26° F occurring on 20 January 1985. Winter winds are generally out of the west or northwest.

Summer day temperatures in northeastern Illinois are usually in the 80s, occasionally in the 90s, with nighttime lows about 18° F lower. Humidities are relatively high, and comfort is often impaired. Winters in northern Illinois can be severe, representing a distinct cold season with frequent frost, snowfall and snow on the ground. Arctic air from Canada frequently dominates northern Illinois in winter. Even tropical air from the Gulf is cooled somewhat on its northward tack. Average January highs are near 30 with lows near 10. Ground frost is common from January through March.

The mean growing seasons continues from 6 May until 9 October, 160 days. Mean annual heating degree days total 6331; cooling degree days, 861; and corn growing degree days, 3399.

Average annual precipitation is 36.68 inches. Each summer month generally supports some 4 inches of rainfall, mostly in showers and thunderstorms, sometimes accompanied by hail. Winter months observe 2-3 inches of precipitation. Illinois observes some 28 tornadoes annually on average. Summer winds are usually out of the southwest. The greatest precipitation amount ever recorded in Wheaton in 24 hours was 6.01 inches on 14 August 1987. The greatest monthly total ever was 15.53 inches, also occurring in August 1987.

Average annual snowfall is about 35 inches but there is a great deal of variability. Snowfalls of 6 inches or more at Wheaton are expected about once each year on average, although five such storms occurred during December 1951. The greatest snowfall ever during one month in Wheaton was 41.1 inches in January 1979. Snowcover often continues in Wheaton for a few weeks at a time. The longest snowcover of at least two inches in Wheaton was 89 days during the 1950-51 winter.

Station: (119221) WHEATON_3_SE										Missing Data: 3%		*prior to 1990																
Averages: 1961-1990										Extremes: 1936-1996		#Day-Max		#Day-Min		Total Precipitation				Snow		#Days Precip						
Averages										Daily Extremes		Mean Extremes																
Max	Min	Mean	High	Date	Low	Date	High-Yr	Low-Yr		>=	<=	<=	<=	Mean	High-Yr	Low-Yr	1-Day Max	Mean	High-Yr	>=1.0	>=1.50	>=1.0						
Ja	29.8	12.3	21.1	65	31/1989	-26	10/1965	34.2	90	9.2	77	0	7.2	13	2.9	1.61	6.61	'97	0.12	81	2.89	12/1960	11.0	41.1	79	4.4	1.2	0.4
Fe	35.2	16.6	26.0	70	27/1976	-21	06/1977	36.5	54	16.4	76	0	4.4	11	1.5	1.34	4.09	0	0.00	67	1.64	22/1974	8.6	20.3	94	4.4	0.9	0.2
Mo	47.7	27.6	37.7	85	29/1966	-10	01/1962	45.3	73	24.4	60	0	1.2	9.8	0.1	2.67	7.28	49	0.39	58	3.39	19/1948	4.8	16.8	72	6.1	1.6	0.4
Ap	61.6	37.4	49.5	90	22/1980	4	07/1982	56.0	55	43.7	75	0	0	4.0	0	3.80	9.42	47	0.41	'99	5.20	5/1947	1.6	11.2	75	7.2	2.4	0.8
Ma	73.5	47.2	60.3	95	26/1967	25	10/1966	67.4	77	55.2	67	0.5	0	0.6	0	3.72	8.34	90	0.04	92	3.79	10/1990	0.1	2.0	66	7.2	2.7	0.8
Jn	82.8	57.0	69.9	103	25/1959	32	11/1972	74.7	91	64.0	58	3.0	0	0	0	3.73	10.65	39	0.56	91	4.05	21/1939	0.0	0.0	48	6.6	2.6	1.1
Jl	86.0	61.8	73.9	105	14/1995	41	06/1967	79.3	55	69.9	62	3.9	0	0	0	4.24	11.95	96	0.11	46	9.24	16/1996	0.0	0.0	49	5.8	2.4	1.1
Au	63.9	65.2	72.1	100	02/1991	38	13/1963	60.0	95	67.4	67	2.5	0	0	0	4.12	15.53	87	0.55	53	6.61	14/1967	0.0	0.0	49	5.9	2.5	1.0
Se	77.3	52.8	65.0	100	01/1953	27	23/1974	70.1	78	60.9	75	1.0	0	0.1	0	3.72	11.23	61	0.00	79	3.12	14/1961	0.0	0.0	48	5.5	2.4	0.8
Oc	65.0	41.8	53.4	90	06/1963	-4	33/1988	62.5	63	47.4	68	0	0	2.4	0	2.36	10.67	54	0.16	64	5.60	10/1954	9.2	5.5	67	4.9	1.9	0.6
No	49.4	31.6	40.5	78	01/1950	-4	24/1950	46.5	90	31.4	76	0	1.0	7.7	0	2.92	7.20	85	0.60	39	2.99	11/1995	2.1	11.8	50	5.8	1.7	0.5
De	35.1	18.9	27.0	68	02/1982	-21	24/1983	36.7	82	16.0	63	0	4.9	12	1.2	2.45	6.14	82	0.00	43	3.04	3/1982	7.7	40.5	51	4.6	1.2	0.4
AN	60.6	38.8	49.7	105	07/14/95	-26	01/20/85	54.5	91	47.1	79	11	19	60	5.7	36.68	47.93	72	23.30	56	6.01	6/16/87	35.1	69.2	51	69.7	23.8	8.2

Probabilities: Precipitation (in) Missing Data: 2.3%
Station: (119221) WHEATON_3_SE Years: 1961 To 1990

	1%	5%	10%	25%	50%	75%	90%	95%	99%
Ja	0.11	0.27	0.41	0.75	1.34	2.17	3.17	3.88	5.46
Fe	0.00	0.00	0.47	0.80	1.25	1.82	2.46	2.89	3.83
Ma	0.59	0.95	1.20	1.71	2.45	3.37	4.37	5.05	6.49
Ap	0.90	1.42	1.77	2.49	3.51	4.77	6.13	7.05	9.01
Ma	1.20	1.71	2.04	2.67	3.53	4.55	5.62	6.34	7.82
Jn	1.23	1.73	2.05	2.68	3.52	4.52	5.57	6.26	7.71
Ju	1.52	2.09	2.46	3.15	4.07	5.15	6.27	7.01	8.54
Au	0.32	0.76	1.14	2.04	3.55	5.67	8.17	9.96	13.90
Se	0.00	0.64	1.15	2.04	3.32	4.98	6.85	8.15	10.97
Oc	0.21	0.47	0.68	1.18	2.00	3.13	4.45	5.38	7.44
No	0.47	0.85	1.13	1.74	2.65	3.84	5.17	6.10	8.08
De	0.26	0.54	0.75	1.24	2.02	3.07	4.27	5.11	6.96
An	22.44	26.63	29.11	32.43	36.39	40.67	44.79	47.39	52.51
Wi	1.77	2.50	2.97	3.89	5.12	6.58	8.11	9.13	11.25
Sp	4.81	6.02	6.74	8.09	9.79	11.71	13.64	14.89	17.42
Su	5.00	6.57	7.54	9.37	11.73	14.46	17.25	19.07	22.81
Fa	2.89	4.11	4.90	6.43	8.49	10.95	13.53	15.24	18.81

Growing Season Summary
Station: (119221) WHEATON_3_SE
Years: 1961 To 1990 Missing Data: 3.1%

Base Temp	Date of Last Spring Occurrence						Date of First Fall Occurrence					
	Median	Early	90%	10%	Late	#yrs	Median	Early	10%	90%	Late	#yrs
32	5/06	4/03	4/10	5/19	6/12	29	10/09	9/22	9/27	10/26	11/01	30
30	5/05	4/03	4/10	5/11	5/12	29	10/12	9/23	10/01	10/28	11/01	30
28	4/28	4/03	4/09	5/09	5/12	29	10/21	9/23	10/06	11/05	11/20	30
24	4/10	3/28	4/03	4/23	4/27	29	11/04	10/11	10/21	11/20	12/01	30
20	3/27	3/14	3/18	4/12	4/19	29	11/13	10/24	10/29	12/01	12/08	30
16	3/21	2/20	3/01	4/06	4/10	29	11/23	10/31	11/08	12/08	12/19	30

Base Temp	Length of Season (Days)					
	Median	Shortest	10%	90%	Longest	#yrs
32	160	119	135	184	187	29
'30	165	136	144	185	208	29
28	182	139	156	207	225	29
24	207	176	188	224	245	29
20	229	199	212	250	268	29
16	249	217	225	278	291	29

AVERAGE MAXIMUM TEMPERATURE

WHEATON, IL

YEAR	AVERAGE MAXIMUM TEMPERATURE												ANNUAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AVERAGE
1937	34.1	33.3	40.3	57.3	71.2	78.2	85.6	87.3	75.9	59.3	46.0	30.0	68.2
1938	30.8	40.8	54.1	60.3	71.3	78.1	85.4	86.1	76.2	69.1	52.8	35.5	61.7
1939	35.7	34.3	49.1	56.0	76.8	83.3	85.8	84.8	84.4	66.1	47.4	40.8	62.0
1940	21.2	33.3	37.6	57.1	66.5	81.6	88.1	84.2	78.3	69.2	47.4	36.9	58.5
1941	32.3	30.9	40.4	64.2	76.5	82.1	86.4	86.1	80.0 *	63.7	50.5	40.3	61.1
1942	31.2	30.8	47.8	68.0	72.7	80.9	87.1 *	82.7	71.6	62.9 *	50.1	29.2	59.6
1943	30.0	35.8	41.8	59.3	67.8	83.7 *	88.0	84.5	71.9	64.1	43.3	37.2 *	59.0
1944	40.9	36.7	40.5 *	56.6	76.1 *	83.9	87.3	85.5 '	76.6	65.1	50.5	32.1	61.0
1945	27.8	35.1	61.4	61.2	63.5	76.9	84.1	82.3	72.5	61.8	50.0	30.0	58.9
1946	35.1	37.8	56.1	65.9	69.6	80.7	87.7	81.2 *	77.6	69.6	49.8*	41.0	62.7
1947	34.8	27.7	39.0	57.2	66.5 *	77.5 *	83.2 *	90.5 *	77.4	72.2	40.4	36.6 *	58.6
1948	25.5	33.9	43.7	65.3 *	69.2*	80.0 *	85.1 *	84.5	77.7 *	64.5 *	53.1 *	37.8-	60.0
1949	34.2 *	35.6	46.0 *	59.7 +	73.2 *	84.6	86.5	84.7	70.9 *	68.7 *	50.1 *	38.7 "	61.0
1950	39.6 *	35.1	41.1	51.5	75.8	78.7	82.7 *	80.6	72.7	69.0	42.9	26.4	58.0
1951	30.2	34.9	43.3	56.9	76.4	77.5	83.5	78.8	73.5	68.3	41.0	34.4	58.2
1952	34.7	38.2 *	42.9	63.2	70.7	86.0	87.3	82.3	80.6	60.6	52.1 *	36.3	61.2
1953	35.3	40.5	46.8 *	56.2	73.3	85.9	86.6	86.6	80.2	70.4	52.0	37.7	62.6
1954	33.2	44.9	42.9	65.5	68.5	84.8	85.2	81.8	79.7	63.1	48.9	34.9	61.1
1955	29.9	34.9	47.7	68.7 *	75.7	78.2	90.6	88.5	77.5	65.6 '	43.8	31.7	61.1
1956	33.0	34.0	42.8	59.6	72.9	85.5	82.4	82.4	77.8	71.5	48.4	37.9	60.7
1957	25.9	38.8	45.2	58.3	69.6	79.6	85.4	81.5	73.7	60.3	47.8	40.8	58.9
1958	30.5 *	25.5	42.2	61.5	74.6 "	74.6	80.3	84.2	76.5	67.7	50.6	28.1	58.0
1959	25.3	32.2	45.3	59.5	77.6	84.2	84.8	86.1	78.5	59.2	40.2	40.5	59.5
1960	32.5	30.2	33.2	64.2	68.4	77.8	84.0	83.7	78.9	64.3	49.1	32.6	58.2
1961	29.1	40.0	47.1	53.8	68.4	81.7	83.4	82.9	77.6	63.8	47.1	31.9	58.9
1962	24.1	31.5	40.1	61.2	77.1 *	83.1 "	80.2	85.0 *	74.3 *	65.4	48.4	31.6	58.5
1963	18.9	27.1	49.6	65.1	70.2	85.4	84.6	80.8	76.3	73.7	52.0	24.5	59.0
1964	36.4	34.6	44.5	60.3	77.9	84.6	86.0	81.3	77.0	61.6	52.3*	33.4	60.8
1965	31.3	34.1	35.9	58.4	77.8 *	80.9	85.2	80.2	74.2 "	62.3	49.7 *	41.0*	59.3
1966	26.2 *	34.7	48.6	55.7"	66.4 ^	81.6	89.0	81.6	75.6	64.5	49.6	34.4	58.9
1967	35.8	31.6	46.4	61.1	68.5	83.0	82.4	80.3	76.3	62.5	43.8	36.1	59.0
1968	30.6	34.0 c	55.4	63.2	69.9	83.4	85.2	85.4	77.2	66.3	47.2	34.5 c	61.0
1969	27.9	36.0	44.8	63.6	73.5	76.8	83.5	85.7	76.8	62.5 c	45.6	33.9 c	59.2
1970	23.1	35.2	43.5 c	62.7	75.8	81.1	86.7	85.5 c	78.3	66.0 c	46.6 c	38.0	60.2
1971	27.4	34.5	43.2	64.4	72.3 c	87.9	84.5	85.8	81.3	73.7	50.9	41.7 c	62.3
1972	30.4	34.2	46.2 c	58.6	75.8 c	79.8 c	83.3 c	82.7	75.9 c	60.3	42.6 c	33.0	58.6
1973	36.4	37.0	55.0	59.3 c	67.5	82.1	86.9 c	86.5	76.9 c	69.1 c	49.7	34.5	61.7
1974	32.1	36.9	48.9	65.0	68.5 c	78.7	88.1	82.8	74.7	65.6 c	48.7	36.4	60.5
1975	34.6	34.0	43.6	55.7	77.4 c	82.6 c	85.4	85.9	73.0 c	69.3	55.0	37.4	61.2
1976	28.4	45.9	53.3	65.5	70.4 c	84.0 c	88.1	83.4 c	78.3	59.7	42.8	29.4 c	60.8
1977	18.3 c	36.5	54.2	70.1 c	82.5	81.9 c	88.9	81.3 c	76.4	62.5	48.5 c	32.5 c	61.1
1978	24.6	27.5	42.3 c	62.9 c	72.7 c	82.8	83.3 c	84.4	83.9	63.8 c	50.5	32.5	59.3
1979	20.7 c	26.0	47.0 c	56.3	75.1	83.7 c	84.6	80.9	79.4 c	63.3	48.8	42.5	59.0
1980	30.9	30.8 c	43.0 c	59.6	75.3	81.0	88.9 c	85.2 c	76.8 c	60.6 c	49.8 c	35.2	59.8
1981	33.0	39.7	51.0 c	66.8 c	70.7 c	83.3 c	83.4	82.5	75.2	62.1	52.4	34.7	61.2
1982	24.1	32.6	45.7	57.7	78.0	76.8	85.2	81.7	75.6	68.6	48.8	44.7	60.0
1983	35.0	41.3	49.2	56.0	68.2	83.5 c	90.5	90.6	79.6	66.2	52.3	23.5	61.3
1984	27.8	43.9	38.5	58.4	70.5	84.5	85.5	88.6	76.7	66.8	50.8	42.7	61.2
1985	26.3	31.4	52.0	66.4	77.5	80.2	85.6	82.7	78.6	65.2	46.2	28.3	60.0
1986	34.4	33.0	55.0	69.5	74.2	84.0	87.0	81.4 c	79.1	65.9	46.3	38.8	62.4
1987	34.0	44.9	53.3	64.9	80.7	87.3	88.3	83.9	77.6	61.2	54.2	39.2	64.1
1988	30.3	34.5	51.1	64.0	79.3	89.8	92.0	89.3	81.0	59.4	50.7	38.5	63.3
1989	41.8	30.0	49.1	59.7	72.0	81.1	85.8	83.7	75.9	68.1	49.7	28.1	60.4
1990	42.7	42.6	51.4	62.7	69.1	82.4	83.4	83.0	79.5	65.8	56.5 c	38.5 c	63.1
1991	29.6	41.2	53.3	65.5	79.5	88.1	89.3	87.9	77.7	66.5	45.1	39.3	63.6
1992	35.7	41.6	51.2	58.4	75.1	82.1	82.1	80.5	75.9	64.8	44.0	36.5	60.7
1993	35.3	35.0	45.3	59.3	75.5	81.1	85.8	85.5	71.2	65.2	48.4	37.1	60.4
1994	26.5	33.9	51.3	66.8	75.3	86.7	84.8	81.4	78.1	67.1	55.3	43.3	62.5
1995	32.2	37.8	52.6	59.2	72.0	85.9	89.5	90.2	76.7	68.7	42.7	34.9	61.9
1996	33.6	38.1	44.0	60.4	68.3	81.8	83.5						

* Wheaton College missing data for one or more day Aurora College data substituted
 ^ Wheaton College missing data for one or more day Morton Arboretum data substituted.
 c Wheaton 3 SE missing data for one or more days. Wheaton College data substituted
 + Wheaton College missing data for several days. Cicero data substituted.

AVERAGE MINIMUM TEMPERATURE

WHEATON, IL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVERAGE
1937	17.8	16.9	25.3	37.7	43.8	56.9	62.3	65.6	53.5	40.8	27.4	19.0	38.9
1938	17.6	27.8	34.0	39.2	48.9	57.2	62.5	64.4	55.6	45.2	33.6	21.6	42.3
1939	23.5	15.6	27.8	36.1	50.3	60.8	62.5	60.5	55.8	42.3	30.9	26.6	41.1
1940	7.1	21.3	24.7	35.5	45.5	57.1	61.4	61.7	51.4	43.7	27.5	24.4	38.4
1941	19.5	15.6	23.2	42.9	50.2	58.0	61.7	59.7	55.9 *	45.3	33.4	28.1	41.1
1942	16.1	18.5	30.8	41.2	47.9	58.1	61.5 *	59.9	51.6	41.6 *	30.3	14.5	39.3
1943	14.6	17.0	22.2	35.8	46.7	60.0 *	64.2	63.4	52.1	42.7	27.4	19.5*	38.8
1944	21.0	20.0	24.7*	36.3	54.3*	61.5	60.5	61.5 *	55.4	41.9	34.3	15.3	40.6
1945	12.5	19.2	37.4	39.8	42.8	54.0	60.0	60.1	53.0	39.1	30.7	11.7	38.4
1946	17.4	15.5	32.0	39.3	45.0	56.0	64.5	56.8 *	50.7	45.5	30.8 *	21.5	39.6
1947	18.7	12.4	22.0	37.0	43.7 *	56.9 "	59.9 *	71.1 *	57.0	49.6	26.5	22.4	39.8
1948	9.5	17.6	27.1	42.9 *	42.9*	55.4 *	62.4 *	60.2	55.3 *	39.1	35.0*	21.2 *	39.1
1949	17.9 *	18.0	27.6 *	36.2 *	47.3*	64.9	68.0	65.5	45.1 *	46.3 *	30.5*	23.4 *	40.9
1950	22.1 *	21.6	26.2	32.5	48.4	58.9	58.4 "	56.8	54.7	46.5	26.6	8.8	38.5
1951	15.2	18.4	26.5	38.3	50.0	55.5	59.7	59.8	51.0	44.3	22.8	16.5	38.2
1952	16.0	23.3*	27.2	42.7	46.4	60.8	64.1	60.3	52.0	35.4	31.9*	24.9	40.4
1953	20.8	22.1	29.2*	36.5	48.6	59.9	62.9	59.6	51.0	44.1	33.2	22.1	40.8
1954	17.8	28.1	24.4	40.6	42.6	61.9	62.9	61.5	55.7	43.7	33.6	24.0	41.4
1955	16.0	18.1	25.6	43.4 *	49.7	56.6	67.8	64.5	53.4	44.4 *	25.5	16.1	40.1
1956	19.6	20.0	26.5	35.2	47.7	60.2	61.4	61.7	51.4	45.9	30.8	24.9	40.4
1957	8.7	24.5	27.8	39.5	46.9	60.0	64.3	60.9	51.9	41.2	31.5	25.5	40.2
1958	16.3 *	11.0	28.6	40.0	47.0*	53.0	61.6	61.1	53.2	43.1	31.3	13.2	38.3
1959	8.3	15.9	26.7	37.2	55.2	59.0	61.3	66.2	55.6	42.4 *	24.1	28.0	40.0
1960	20.9	19.2	15.5	43.5	47.6	57.1	60.1	62.3	58.4	42.5	33.3	16.9	39.8
1961	13.5	24.5	31.2	34.8	44.7	56.3	62.4	61.5	56.8	44.2 *	31.9	17.1	39.9
1962	8.6	17.8	26.3	38.1	55.3*	57.2 *	59.0	60.5 *	50.5 *	46.2	31.9	15.3	38.9
1963	4.8	8.7	30.1	39.8	47.1	58.5	61.4	57.6	51.1	51.2	34.5	7.2	37.7
1964	20.1	19.4	25.9	39.9	51.9	59.2	63.5	59.0	53.5	37.7	33.9*	17.4	40.1
1965	14.0	14.7	20.8	37.0	52.1 *	56.3	60.3	59.8	54.6 *	42.9 ^	31.1 *	27.6 *	39.3
1966	7.4 *	19.0	30.2	36.7 *	44.5 *	55.6	62.5	57.2	49.9	38.6	31.9	19.4	37.7
1967	19.5	9.6	27.5	38.3	41.8	59.3	56.8	54.4	49.3	42.5	28.8	20.9	37.4
1968	14.3	12.2 c	29.9	38.8	43.9	57.5	60.7	61.4	52.0	43.1 c	32.2	19.5 c	38.8
1969	12.3	20.7	20.1	37.7	45.9	52.7	61.9	59.7	52.5	39.4 c	27.4	19.0	37.4
1970	6.5	15.7 c	23.7	39.0	49.7	57.2	60.5	60.7 c	52.7	43.6 c	30.1 c	20.7	38.3
1971	7.7	17.8	24.1	34.0	42.6 c	60.5	57.8	56.7	55.3	47.4	28.9	25.2 c	38.2
1972	8.9	12.5	25.2 c	34.0 c	46.7 c	52.5 c	60.9 c	61.8	55.3 c	41.0	32.4 c	17.2	37.4
1973	19.9	20.7	35.5	38.9 c	44.4	58.3	62.5 c	62.1	54.7 c	46.0 c	31.1	19.2	41.1
1974	15.5	17.3	29.4	39.3	45.6 c	53.8	61.2	57.8	47.2	40.5 c	31.3	23.3	38.5
1975	17.7	18.8	23.5	31.7	49.1 c	58.8 c	58.6	61.6	48.2 c	41.2	36.1	23.0	39.0
1976	8.6	22.2 c	31.3	37.8	42.2 c	55.2 c	60.0	54.5 c	47.7	35.7	20.0 c	8.3 c	35.3
1977	0.1 c	15.3	33.7	41.3 c	52.3	53.6 c	63.8	59.4 c	54.4	39.8	32.2 c	15.0 c	38.4
1978	6.4	5.2	22.5	36.4 c	47.6 c	56.8	61.9 c	60.8	56.3	40.1 c	30.4	15.2	36.6
1979	1.0 c	8.0	27.4 c	35.5	46.1	58.1 c	59.4	61.3	52.0 c	42.0	31.0	22.1	37.0
1980	15.4	13.3 c	24.8 c	35.9	46.3	54.0	64.5 c	63.6 c	55.2 c	37.3 c	31.4 c	21.0	38.6
1981	14.1	19.3	27.1 c	41.0 c	43.9 c	59.2 c	61.1	60.4	52.2	39.6	32.1	19.4	39.1
1982	4.0	13.4	25.9	33.0	52.5	51.4	63.7	58.5	52.3	42.1	33.6	28.6	38.3
1983	20.8	23.9	29.7	34.8	45.1	56.8 c	65.4	65.3	52.1	43.3	34.8	9.8	40.2
1984	10.8	26.0	21.7	37.3	44.8	60.6	59.7	61.1	51.5	47.4	29.6	23.6	39.5
1985	8.4	13.0	31.4	43.0	50.1	54.3	61.2	59.1	55.8	44.2	33.6	11.4	38.8
1986	14.9	18.9	30.7	40.3	50.5	57.4	65.9	56.4 c	57.9	44.6	29.5	24.6	41.0
1987	18.9	23.0	30.3	38.5	52.2	60.6	66.7	63.4	53.5	35.8	36.2	26.7	42.2
1988	11.2	13.1	28.7	36.6	46.9	58.5	62.9	67.0	54.0	35.3	33.5	19.5	38.9
1989	24.2	12.2	26.4	37.3	45.2	58.1	63.8	60.7	50.9	41.8	29.9	7.3	38.2
1990	25.9	21.8	33.6	39.4	46.2	59.2	63.1	61.3	56.0	39.7	36.5 c	22.2 c	42.1
1991	14.6	23.0	31.5	41.9	55.1	61.6	63.6	62.6	52.8	44.5	27.8	22.0	41.8
1992	22.8	26.8	28.7	38.0	44.8	53.2	61.0	55.8	53.3	41.1	33.3	23.8	40.2
1993	19.4	17.2	27.4	37.6	48.3	57.2	65.9	63.9	50.7	40.2	30.9	23.3	40.2
1994	9.3	12.2	27.6	40.0	43.5	58.7	62.5	59.5	55.0	44.2	35.6	27.9	39.7
1995	16.5	19.1	30.1	36.3	47.4	58.8	65.7	69.8	50.0	43.0	23.7	19.1	40.0
1996	16.1	18.2	21.3	34.1	46.1	57.1	58.7						

* Wheaton College missing data for one or more day Aurora College data substituted
 * Wheaton College missing data for one or more day Morton Arboretum data substituted.
 c Wheaton 3 SE missing data for one or more days. Wheaton College data substituted
 + Wheaton College missing data for several days. Cicero data substituted.

AVERAGE TEMPERATURE

WHEATON, IL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVERAGE
1936								76.5	66.7	51.8	35.7	32.0	M
1937	25.9	25.1	32.8	47.5	59.5	67.6	74.0	76.5	64.7	50.0	36.7	24.5	48.7
1938	24.2	34.3	44.1	49.8	60.1	67.6	74.0	75.3	65.9	57.1	43.2	28.6	52.0
1939	29.6	24.9	38.5	46.0	63.6	72.1	74.2	72.6	70.1	54.2	39.2	33.7	51.6
1940	14.1	27.3	31.2	46.3	56.0	69.3	74.7	73.0	64.9	56.5	37.4	30.6	48.4
1941	25.9	23.2	31.8	53.5	63.3	70.0	74.0	72.9	68.0 *	54.5	42.0	34.2	51.1
1942	23.7	24.6	39.3	54.6	60.3	69.5	74.3*	71.3	61.6	52.3 *	40.2	21.9	49.5
1943	22.3	26.4	32.0	47.5	57.3	71.9 *	76.1	74.0	62.0	53.4	35.4	28.4 *	48.9
1944	31.0	28.3	32.6 *	46.4	65.2 *	72.7	73.9	73.5 *	66.0	53.5	42.4	23.7	50.8
1945	20.2	27.2	49.4	50.5	53.1	65.5	72.0	71.2	62.7	50.5	40.4	20.8	48.6
1946	26.2	26.7	44.0	52.6	57.3	68.3	76.1	69.0 *	64.1	57.5	40.3 "	31.3	51.1
1947	26.7	20.1	30.5	47.1	55.1 *	67.2 *	71.6 *	80.8 "	67.2	60.9	33.5	29.5 *	49.2
1948	17.5	25.8	35.4	54.1 *	56.1 *	67.7 *	73.7 *	72.3	66.5 *	51.8*	44.0"	29.5 *	49.5
1949	26.0 *	26.8	36.8 *	48.0*	60.2 *	74.7	76.7	75.1	58.0 *	57.5 *	40.3 *	31.0*	50.9
1950	30.9 *	28.3	33.6	42.0	62.1	68.8	70.5*	68.7	63.7	57.7	34.8	17.6	48.2
1951	22.7	26.6	34.9	47.6	63.2	66.5	71.6	69.3	62.3	56.3	31.9	25.5	48.2
1952	25.3	30.8*	35.1	52.9	58.6	73.4	75.7	71.3	66.3	48.0	42.0*	30.6	50.8
1953	28.0	31.3	38.0*	46.3	61.0	72.9	74.7	73.1	65.6	57.3	42.6	29.9	51.7
1954	25.5	36.5	33.6	53.0	55.5	73.3	74.0	71.6	67.7	53.4	41.3	29.4	51.2
1955	23.0	26.5	36.7	56.1 *	62.7	67.4	79.2	76.5	65.5	55.0 *	34.6	23.9	50.6
1956	26.3	27.0	34.7	47.4	60.3	72.9	71.9	72.0	64.6	58.7	39.6	31.4	50.6
1957	17.3	31.6	36.5	48.9	58.3	69.8	74.8	71.2	62.8	50.7	39.7	33.2	49.6
1958	23.4 *	18.3	35.4	50.8	60.8 *	63.8	70.9	72.6	64.8	55.4	40.9	20.6	48.1
1959	16.8	24.0	36.0	48.3	66.4	71.6	73.0	76.1	67.1	50.8 *	32.2	34.3	49.7
1960	26.7	24.7	24.4	53.9	58.0	67.5	72.0	73.0	68.7	53.4	41.2	24.8	49.0
1961	21.3	32.3	39.1	44.3	56.5	69.0	72.9	72.2	67.2	54.0 *	39.5	24.5	49.4
1962	16.4	24.6	33.2	49.7	66.2*	70.1	69.6	72.8 *	62.4 "	55.8	40.2	23.5	48.7
1963	11.8	17.9	39.8	52.4	58.6	72.0	73.0	69.2	63.7	62.4	43.3	15.9	48.3
1964	28.3	27.0	35.2	50.1	64.9	71.9	74.8	70.1	65.3	49.7	43.1 "	25.4	50.5
1965	22.6	24.4	28.4	47.7	65.0*	68.6	72.8	70.0	64.4 *	52.6	40.4 "	34.3 *	49.3
1966	16.3 "	26.8	39.4	46.2*	55.5 *	68.6	75.8	69.4	62.7	51.5	40.7	26.9	48.3
1967	27.6	20.6	36.9	49.7	55.2	71.1	69.6	67.4	62.8	52.5	36.3	28.5	48.2
1968	22.5	23.1 c	42.6	51.0	56.9	70.5	73.0	73.4	64.6	54.7 c	39.7	27.0 c	49.9
1969	20.1	28.3	32.5	50.6	59.7	64.7	72.7	72.7	64.6	51.0 c	36.5	26.4 c	48.3
1970	14.8	25.4	33.6 c	50.8	62.7	69.2	73.6	73.1 c	65.5	54.8 c	38.4 c	29.3	49.3
1971	17.8	26.1	33.6	49.2	57.5 c	74.2	71.1	71.3	68.3	60.5	39.9	33.4 c	50.2
1972	19.6	23.6	35.7 c	46.3 c	61.1 c	66.2 c	72.1 c	72.3	65.6 c	60.7	37.5 c	25.1	48.0
1973	28.1	28.8	45.2	49.1 c	55.9	70.2	74.7 c	74.3	65.8 c	57.5 c	40.4	26.9	51.4
1974	23.8	27.1	39.2	52.2	57.0 c	66.3	74.6	70.3	61.0	53.0 c	40.0	29.9	49.5
1975	26.1	26.4	33.6	43.7	63.2 c	70.7 c	72.0	73.7	60.6 c	55.3	45.6	30.2	50.1
1976	18.5	34.1 c	42.3	51.7	55.3 c	69.6 c	74.1	69.0 c	63.0	47.7	31.4	18.8 c	48.0
1977	9.2 c	25.9	43.9	55.7 c	67.4	67.8 c	76.4	70.3 c	65.4	51.1	40.4 c	23.7 c	49.8
1978	15.5	16.3	32.4 c	49.7 c	60.2 c	69.8	72.6 c	72.6	70.1	51.9 c	40.5	23.8	48.0
1979	10.9 c	17.0	37.2 c	45.9	60.6	70.9 c	72.0	71.1	65.7 c	52.6	39.9	32.3	48.0
1980	23.1	22.1 c	33.9 c	47.8	60.8	67.5	76.7 c	74.4 c	66.0 c	49.0 c	40.6 c	28.1	49.2
1981	23.5	29.5	39.0 c	53.9 c	57.3 c	71.3 c	72.2	71.5	63.7	50.9	42.3	27.0	50.2
1982	14.0	23.0	35.8	45.4	65.2	64.1	74.4	70.1	64.0	55.4	41.2	36.7	49.1
1983	27.9	32.6	39.4	45.4	56.7	70.2 c	77.9	78.0	65.9	54.7	43.6	16.7	50.8
1984	19.3	34.9	30.1	47.9	57.6	72.6	72.6	74.9	64.1	57.1	40.2	33.2	50.4
1985	17.4	22.2	41.7	54.7	63.8	67.2	73.4	70.9	67.2	54.7	39.9	19.9	49.4
1986	24.7	25.9	42.8	54.9	62.4	70.7	76.5	68.9 c	68.5	55.3	37.9	31.7	51.7
1987	26.5	34.0	41.8	51.7	66.5	74.0	77.5	73.7	65.6	48.5	45.2	33.0	53.2
1988	20.7	23.8	39.9	50.3	63.1	74.1	77.4	78.1	67.5	47.4	42.1	29.0	51.1
1989	33.0	21.1	37.7	48.5	58.6	69.6	74.8	72.2	63.4	54.9	39.8	17.7	49.3
1990	34.3	32.2	42.5	51.1	57.6	70.8	73.3	72.1	67.8	52.8	46.5 c	30.3 c	52.6
1991	22.1	32.1	42.4	53.7	67.3	74.9	76.5	75.3	65.3	55.5	36.5	30.6	52.7
1992	29.3	34.2	40.0	48.2	60.0	67.7	71.6	68.2	64.6	53.0	38.6	30.1	50.5
1993	27.3	26.1	36.3	48.4	61.9	69.2	75.8	74.7	61.0	52.7	39.6	30.2	50.3
1994	17.9	23.0	39.5	53.4	59.4	72.7	73.6	70.4	66.5	55.7	45.5	35.6	51.1
1995	24.4	28.4	41.4	47.8	59.7	72.4	77.6	80.0	63.4	55.8	33.2	27.0	50.9
1996	24.9	28.2	32.6	47.2	57.2	69.5	71.1						

* Wheaton College missing data for one or more day Aurora College data substituted
 ^ Wheaton College missing data for one or more day Morton Arboretum data substituted.
 c Wheaton 3 SE missing data for one or more days. Wheaton College data substituted
 + Wheaton College missing data for several days. Cicero data substituted.

COOLING DEGREE DAYS

WHEATON, IL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
1937	0	0	0	0	46	128	282	355	136	2	0	0	1937
1938	0	0	4	4	59	102	278	318	96	24	4	0	889
1939	0	0	0	10	92	238	287	237	208	34	0	0	1106
1940	0	0	0	0	22	146	317	266	110	8	0	0	869
1941	0	0	0	12	94	180	283	254	154 *	14	0	0	991
1942	0	0	0	44	60	165	290 *	210	110	162 *	0	0	1041
1943	0	0	0	0	36	246 *	344	280	69	5	0	0 *	980
1944	0	0	0 *	0	120 *	260	277	276 *	96	6	0	0	1035
1945	0	0	2	10	8	110	228	206	74	0	0	0	638
1946	0	0	0	8	14	184	344	150 *	70	13	0 *	0	783
1947	0	0	0	0	4 *	150 *	213 *	489 *	204	34	0	0 *	1094
1948	0	0	1	22 *	5 *	126 *	271 *	238	118 *	0 -	0 *	0 *	781
1949	0 *	0	0 *	2 +	52 *	308	364	314	17 *	32 *	0 *	0 *	1089
1950	0 -	0	0	0	56	168	178 *	136	50	30	5	0	623
1951	0	0	0	10	74	101	206	148	49	52	0	0	640
1952	0	0 *	0	20	27	268	331	208	119	8	0 *	0	981
1953	0	0	0 *	0	66	252	304	254	120	19	0	0	1015
1954	0	0	0	6	22	297	282	210	138	34	0	0	989
1955	0	0	0	0 *	68	125	440	362	88	7 *	0	0	1090
1956	0	0	0	7	67	272	218	234	76	10	0	0	884
1957	0	0	0	10	24	170	306	197	56	0	0	0	763
1958	0 *	0	0	3	48 "	44	186	251	77	5	0	0	614
1959	0	0	0	0	140	216	250	344	136	0 -	0	0	1086
1960	0	0	0	20	12	122	223	250	164	4	0	0	795
1961	0	0	0	0	24	156	250	234	164	8 *	0	0	836
1962	0	0	0	18	160	181 *	158	242 *	66 *	31	0	0	856
1963	0	0	0	6	26	227	260	159	66	42	0	0	786
1964	0	0	0	6	86	247	310	190	118	0	0	0	957
1965	0	0	0	0	78 *	145	242	185	91 *	10	0 *	0 *	751
1966	0 *	0	0	0 *	31 *	164	334	150	62	4	0	0	745
1967	0	0	2	0	28	200	173	114	65	27	0	0	609
1968	0	0	0	0	9	189	255	283	60	40	0	0 c	836
1969	0	0	0	0	46	114	244	239	78	13 c	0	0 c	734
1970	0	0	0	26	84	166	272	252 c	98	13 c	0	0	911
1971	0	0	0	7	30	284	200	198	184	39	0	0 c	942
1972	0	0	0 c	0 c	55 c	99 c	236 c	244	98 c	0	0 c	0	732
1973	0	0	0	3 c	2	157	302 c	289	100 c	30 c	0	0	883
1974	0	0	1	12	23 c	89	298	170	48	5 c	0	0	646
1975	0	0	0	0	81 c	203 c	230	272	28 c	20	0	0	834
1976	0	0 c	3	36	3 c	158 c	284	146 c	60	2	0 c	0 c	692
1977	0 c	0	0	26 c	160	139 c	354	181 c	83	0	0 c	0 c	943
1978	0	0	0 c	0 c	75 c	172	239 c	240	201	2 c	0	0	929
1979	0 c	0	0 c	2	68	192 c	230	208	93 c	24	0	0	817
1980	0	0 c	0 c	8	40	122	364 c	292 c	113 c	2 c	0 c	0	941
1981	0	0	0	2	16	189 c	234	207	65	2	0	0	715
1982	0	0	0	0	80	48	297	180	86	26	0	0	717
1983	0	0	0	0	12	187 c	410	402	125	8	0	0	1144
1984	0	0	0	6	24	234	243	307	116	26	0	0	956
1985	0	0	0	52	66	123	262	190	109	2	0	0	804
1986	0	0	3	25	48	186	358	154 c	157	4	0	0	935
1987	0	0	0	10	154	276	388	280	83	0	0	0	1191
1988	0	0	0	4	62	292	386	414	113	6	0	0	1277
1989	0	0	2	4	49	158	304	229	51	11	0	0	808
1990	0	0	8	46	12	197	260	228	168	22	0 c	0 c	941
1991	0	0	2	16	176	299	356	318	155	17	14	0 c	1353
1992	0	0	0	0	58	115	206	127	99	8	0	0	613
1993	0	0	0	3	54	180	336	304	28	9	0	0	914
1994	0	0	0	30	54	260	268	182	118	16	0	0	928
1995	0	0	0	0	12	232	394	464	78	12	0	0	1192
1996	0	0	0	0	51	158	192						

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 ^ Wheaton College missing data for one or more day Morton Arboretum data substituted.
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 Wheaton College missing data for several days. Cicero data substituted.

HEATING DEGREE DAYS

WHEATON, IL

YEAR	SEASONAL											TOTAL	
	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY		JUN
1937-1938	4	0	132	479	848	1284	1264	860	653	462	211	23	6522
1938-1939	0	0	69	268	657	1130	1096	1122	822	579	136	27	6192
1939-1940	3	0	56	370	776	970	1577	1093	1049	561	301	16	6772
1940-1941	15	18	114	272	828	1065	1212	1170	1029	356	146	29	6254
1941-1942	3	8	65 *	340	691	956	1282	1130	796	356	204	29	5860
1942-1943	2 *	15	214	395 *	744	1338	1323	1082	1024	524	276	40 *	6977
1943-1944	0	2	158	365	889	1136 *	1054	1064	1004 *	558	114 *	29	6373
1944-1946	0	11 *	68	363	678	1282	1390	1060	487	446	376	97	6258
1945-1946	10	14	142	450	739	1369	1202	1073	650	380	252	84	6365
1946-1947	0	26 *	96	245	740 *	1046	1186	1258	1069	538	311 *	84 *	6599
1947-1948	10 *	0 *	139	162	946	1100 *	1474	1138	920	349 *	276 *	47 *	6561
1948-1949	0 *	12	72 *	410 *	629 *	1101 *	1208 *	1069	874 *	513 "	200 *	16	6104
1949-1950	0	1	228 *	263 *	741 *	1052 *	1058 *	1026	972	690	146	54	6231
1950-1951	6 *	22	89	255	912	1468	1312	1074	934	532	131	56	6791
1961-1952	0	14	132	322	993	1226	1230	992 "	928	382	226	17	6462
1952-1953	0	14	80	536	690 *	1066	1146	943	836 *	560	191	14	6076
1953-1954	2	3	102	259	673	1089	1224	798	972	364	316	47	5849
1954-1955	2	4	57	392	712	1102	1303	1078	878	268 *	140	52	5988
1955-1956	0	4	75	316 *	911	1274	1200	1101	940	535	213	36	6605
1956-1957	4	15	88	206	762	1042	1479	934	884	493	234	26	6167
1957-1958	0	4	122	442	760	987	1290 *	1309	918	430	177 *	80	6519
1958-1959	2	15	82	302	722	1376	1494	1148	898	500	97	17	6653
1959-1960	1	0	74	440 *	984	952	1188	1170	1260	354	228	48	6699
1960-1961	4	2	54	362	714	1248	1356	917	802	621	286	36	6402
1961-1962	6	11	98	349 *	764	1256	1508	1130	985	479	125	16 *	6727
1962-1963	16	2	144 *	317	745	1288	1648	1320	780	383	223	18	6884
1963-1964	14	30	106	122	652	1253	1138	1102	925	452	90	39	5923
1964-1965	6	30	110	475	656 *	1228	1314	1136	1136	519	79 *	37	6726
1965-1966	1	31	109 *	394 ^	738 *	952 *	1509 "	1069	794	564 *	327 ^	56	6544
1966-1967	0	14	130	420	728	1182	1159	1242	872	460	332	16	6555
1967-1968	30	41	131	414	862	1132	1319	1216	694	419	260	25	6543
1968-1969	8	23	72	360 c	760	1178 c	1392	1026	1009	431	210	122	6591
1969-1970	6	0	90	448 c	855	1196 c	1556	1108	973 c	450	154	42	6878
1970-1971	5	1 c	83	328 c	799 c	1106	1471	1088	972	482	263 c	8	6606
1971-1972	10	4	85	177	754	979 c	1406	1200	908 c	561 c	170 c	64 c	6318
1972-1973	16 c	19	80 c	444	826 c	1238	1142	1012	613	480 c	282	1	6153
1973-1974	0 c	1	74 c	260 c	737	1182	1277	1062	802	397	270 c	51	6113
1974-1975	0	6	170	376 c	750	1090	1205	1081	974	640	136 c	32	6460
1975-1976	14	2	170 c	322	584	1078	1442	897 c	708	436	272 c	19 c	5944
1976-1977	2	22 c	120	538	1008 c	1432 c	1730	1095	653	304 c	86	56	7046
1977-1978	1	16	72	430	738 c	1280 c	1534	1363	1010	460 c	225 c	28 c	7157
1978-1979	4	4	49	407 c	736	1276	1678 c	1344	862 c	575	205	16 c	7156
1979-1980	14	20	73 c	408	754	1014	1298	1244 c	964 c	525	171	46	6531
1980-1981	0 c	0 c	84 c	500 c	732 c	1144	1286	995	804 c	336 c	254 c	1 c	6136
1981-1982	10	7	104	439	682	1176	1580	1176	904	590	72	76	6816
1982-1983	4	22	117	324	714	878	1150	908	793	588	270	32 c	5800
1983-1984	9	0	99	326	643	1498	1416	872	1082	520	252	7	6724
1984-1985	7	0	144	271	744	987	1477	1200	723	360	104	56	6073
1985-1986	0	7	108	322	754	1399	1250	1094	690	328	129	14	6095
1986-1987	2	34	52	304	813	1032	1195	869	719	410	109	6	5545
1987-1988	0	10	66	512	594	994	1372	1194	779	444	122	18	6105
1988-1989	0	6	38	553	686	1116	992	1229	848	498	248	19	6233
1989-1990	0	6	99	323	756	1466	952	918	705	464	240	24	5953
1990-1991	4	6	85	401	555 c	1074 c	1330	922	702	354	104	4	5541
1991-1992	0	0	147	312	842	1065	1107	894	776	506	220	36	5905
1992-1993	2	28	111	382	791	1081	1168	1088	890	500	151	56	6248
1993-1994	0	4	149	392	762	1079	1461	1175	792	379	228	30	6451
1994-1995	0	14	72	306	586	912	1260	1024	732	518	176	10	5610
1995-1996	2	0	128	296	954	1178	1244	1068	1004	534	294	24	6726
1996-1997	1												

* Wheaton College missing data for one or more day Aurora College data substituted
 ^ Wheaton College missing data for one or more day Morton Arboretum data substituted.
 c Wheaton 3 SE missing data for one or more days. Wheaton College data substituted
 + Wheaton College missing data for several days. Cicero data substituted.

GROWING DEGREE DAYS

WHEATON, IL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	SEASON TOTAL
1937	107	107	260	675	1068	1276	1518	1595	1252	830	332	256	9051
1938	105	268	594	743	1088	1278	1618	1658	1228	996	560	170	10106
1939	198	84	442	630	1196	1412	1524	1477	1352	904	424	290	9933
1940	16	102	232	639	961	1330	1542	1487	1196	976	400	230	9111
1941	114	62	251	856	1188	1350	1520	1486	1288 *	914	514	306	9849
1942	163	72	444	888	1095	1336	1528 *	1436	1097	796 *	462	70	9387
1943	55	156	304	676	1000	1406 *	1584	1518	1110	880	316	194 *	9199
1944	246	164	260*	642	1246 *	1430	1517	1504 *	1229	883	522	87	9730
1945	54	146	755	765	872	1214	1458	1432	1132	790	462	111	9191
1946	147	110	590	828	1002	1300	1584	1364 *	1174	1008	461 *	265	9833
1947	157	56	186	662	932 *	1266	1444 *	1729 *	1266	1112	229	160 *	9199
1948	47	134	378	873 *	907 *	1280 *	1510 *	1466	1245 *	830 *	571 *	192 *	9433
1949	138 *	120	376 "	690 +	1092 *	1492	1604	1553	989 *	1008 *	464 *	222 *	9748
1950	244 *	152	287	510	1150	1314	1412 *	1354	1162	1015	342	35	8977
1951	120	191	320	678	1184	1246	1445	1373	1118	970	234	221	9100
1952	116	169 *	326	838	1041	1451	1571	1434	1239	713	525	188	9611
1953	151	214	418 *	640	1114	1438	1542	1492	1219	1000	531	241	10000
1954	123	334	294	841	946	1450	1520	1446	1280	882	488	147	9751
1955	90	120	382	932 *	1169	1272	1680	1598	1214	930 *	326	98	9811
1956	105	102	307	672	1094	1436	1454	1458	1188	1044	458	224	9542
1957	48	201	361	717	1031	1344	1545	1433	1134	798	442	290	9344
1958	66 *	102	322	772	1111 *	1164	1424	1476	1195	942	517	91	9182
1959	34	102	346	700	1284	1399	1490	1584	1262	800 *	253	291	9545
1960	160	78	101	866	1024	1274	1458	1488	1310	881	488	124	9252
1961	99	229	436	579	978	1320	1484	1463	1266	900 *	436	126	9316
1962	42	88	293	740	1277 *	1354	1382	1480 *	1122 *	954	455	144	9331
1963	45	45	465	822	1043	1408	1488	1370	1161	1160	548	60	9615
1964	184	106	326	753	1237	1408	1544	1400	1208	765	582 *	118	9631
1965	121	136	156	681	1240 *	1308	1481	1394	1182 *	856 ^	467 *	308 *	9330
1966	50 *	144	454	636 *	944 *	1308	1574	1376	1132	823	472	164	9077
1967	168	52	395	741	936	1384	1383	1313	1134	853	340	214	8913
1968	134	77	546	781	988	1364	1486	1500	1188	920	440	134 c	9558
1969	102	120	256	769	1076	1192	1478	1479	1189	804 c	354	94 c	8913
1970	61	120	270	775	1170	1324	1506	1491 c	1214	925 c	418 c	212	9486
1971	36	180	276	726	1007 c	1476	1430	1434	1298	1102	450	272 c	9687
1972	96	120	348 c	641 c	1125 c	1234 c	1460 c	1465	1218 c	796	374 c	128	9005
1973	196	174	627	723 c	959	1356	1542 c	1528	1225 c	1009 c	463	158	9960
1974	168	137	450	814	992 c	1238	1538	1404	1078	870 c	450	178	9317
1975	128	124	285	560	1185 c	1372 c	1456	1510	1067 c	938	617	203	9445
1976	36	344	536	800	971 c	1339 c	1521	1364 c	1140	704	242 c	48 c	9045
1977	2 c	156	587	922 c	1314	1283 c	1592	1406 c	1211	810	502 c	141 c	9926
1978	30	11	272	740 c	1090 c	1344	1474 c	1475	1352	835 c	466	76	9165
1979	14	34	403 c	628	1103	1377 c	1456	1428	1220 c	856	447	258	9224
1980	92	84 c	302 c	684	1108	1276	1604 c	1532 c	1230 c	742 c	468 c	196	9318
1981	120	254	436 c	867 c	1002 c	1388 c	1464	1440	1160	802	522	127	9582
1982	24	104	366	616	1248	1173	1532	1398	1168	941	487	390	9447
1983	134	241	454	612	982	1356 c	1641	1642	1226	922	560	61	9831
1984	60	332	208	686	1012	1428	1476	1546	1173	995	456	299	9671
1985	24	108	517	891	1202	1266	1502	1423	1265	920	451	64	9633
1986	142	127	562	897	1158	1372	1596	1360 c	1305	939	398	237	10093
1987	148	253	521	800	1285	1469	1628	1509	1216	728	606	254	10417
1988	136	88	463	760	1180	1474	1626	1647	1275	693	514	202	10058
1989	271	51	413	705	1042	1338	1544	1464	1152	928	454	68	9430
1990	296	226	542	782	1012	1374	1496	1461	1283	860	645 c	258 c	10235
1991	52	240	539	862	1312	1495	1596	1558	1208	945	379	210 c	10396
1992	206	278	472	695	1084	1280	1444	1339	1188	867	409	192	9454
1993	126	118	370	702	1143	1324	1576	1540	1078	858	438	242	9515
1994	70	118	448	851	1067	1430	1508	1408	1246	950	614	342	10052
1995	108	196	528	682	1076	1422	1631	1704	1151	956	258	142	9854
1996	128	252	292	666	998	1334	1430						

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^ Wheaton College missing data for one or more day Morton Arboretum data substituted.
c Wheaton 3 SE missing data for one or more days. Wheaton College data substituted
+ Wheaton College missing data for several days. Cicero data substituted.

PRECIPITATION

WHEATON, IL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
1937	3.09	1.17	1.07	4.96	2.03	4.19	1.31	6.38	1.53	2.93	1.30	1.04	31.00
1938	2.94	2.74	4.02	2.45	4.96	7.05	4.07	4.77	6.72	1.32	1.65	1.26	43.95
1939	2.20	2.23	2.51	3.47	2.44	10.65	2.21	2.40	0.60	3.59	0.60	0.56	33.46
1940	1.41	1.47	1.89	2.98	4.70	3.64	1.40	3.85	0.26	3.84	2.41	1.46	29.31
1941	2.64	1.03	1.83	1.60	2.45	3.38	4.44	1.75	6.37	7.35	3.19	1.48	37.51
1942	0.89	1.88	2.66	0.93	3.24	4.10	2.01	4.37	5.55	1.09	2.82	2.72	32.26
1943	2.37	1.42	2.09	3.06	6.85	2.59	2.11	6.20	1.65	1.34	2.00	T	31.68
1944	0.87	1.25	4.71	2.67	3.47	3.93	2.13	2.32	2.66	0.94	0.84	1.29	27.08
1945	1.35	1.88	2.42	4.44	6.97	4.73	2.00	2.97	8.76	2.22	3.56	1.87	43.17
1946	2.70	1.35	2.87	0.96	3.24	4.72	0.11	2.50	0.51	4.48	2.65	1.71	27.80
1947	2.67	0.28	2.08	9.42	4.66	4.52	0.88	1.36	4.64	1.51	3.11	1.76	36.89
1948	1.68	1.22	7.16	1.48	4.95	5.54	1.76	1.53	2.12	0.78	2.60	3.51	34.33
1949	1.80	1.07	2.33	1.78	2.40	5.42	4.02	1.97	3.03	2.80	0.87	1.73	29.22
1950	3.96 *	1.34	1.68	5.52	1.09	7.23	2.97	1.23	3.00	2.02	2.02	2.95	35.01
1951	1.50	2.23	3.55	3.57	4.69	2.60	4.53	3.25	3.70	1.95	3.15	3.62	38.34
1952	1.59	0.14	2.72	2.47	2.69	3.96	3.90	3.78	1.08	0.18	1.99	1.88	26.38
1953	0.93	0.79	1.12	1.29	2.13	4.47	4.89	0.55	2.33	0.48	0.83	2.98	22.79
1954	1.26	2.10	4.49	5.17	2.80	5.22	3.67	6.17	0.66	10.95	0.80	2.08	45.37
1955	1.55	3.09	1.75	3.14	5.16	3.96	2.54	3.29	2.80	4.32	1.84	0.93	34.37
1956	0.29	2.09	0.77	3.65	3.91	1.10	4.35	3.18	1.04	0.26	1.40	1.40	23.44
1967	3.57	3.22	1.85	4.05	4.28	3.56	8.00	5.01	2.22	2.97	3.19	2.51	44.43
1958	2.51	0.36	0.32	3.33	1.75	7.84	5.34	1.80	2.31	2.05	2.13	1.34	31.08
1959	2.14	2.28	4.59	3.33	3.66	1.91	4.79	2.58	2.47	4.36	2.58	2.72	37.41
1960	5.56	3.69	1.50	3.50	3.42	4.36	3.94	2.24	1.29	2.06	1.61	0.64	33.81
1961	0.16	0.93	3.88	2.94	2.07	3.76	5.30	2.80	11.2	3.79	1.87	1.75	40.48
1962	2.50	1.49	1.93	1.63	3.35	2.26	6.07	1.11	2.00	1.09	0.82	0.39	24.64
1963	0.72	0.61	2.72	5.68	2.73	1.96	5.60	2.77	1.93	0.38	2.08	1.15	28.33
1964	0.91	0.50	2.80	5.00	1.83	2.69	6.66	2.01	3.80	1.06	2.18	1.70	31.14
1965	4.01	1.86	3.23	3.58	2.19	3.18	4.06	7.02	6.48	1.26	1.89*	0.28	39.04
1966	2.06	0.70	2.73	5.22	5.55	3.00	2.95	1.61	0.72	1.95	4.35	2.25	33.09
1967	1.96	1.47	1.68	5.84	1.36	6.45	2.93	1.77	3.71	4.20	2.32	2.66	36.35
1968	1.22	1.40	1.36	2.45	3.90	5.10	3.61	6.70	3.66	1.16	3.60	2.70	36.86
1969	1.76	0.18	1.21	4.90	3.02	7.18	6.19	1.25	3.38	6.47	1.52	1.44	38.50
1970	0.73	0.66	2.10	5.24	6.67	5.12	2.83	2.06	7.03	2.77	2.66	1.67	39.54
1971	1.14	1.83	1.72	0.68	2.93	2.29	3.10	3.43	2.95	0.79	1.50	5.79	28.15
1972	1.09 c	0.91	4.22	3.76	2.96	5.79	4.04	10.7	5.82	3.24	2.89	2.77	48.16
1973	1.32	1.28	3.91	5.30	5.22	2.61	2.36	1.52	3.60	3.04	1.43	3.49	35.08
1974	3.54	2.40	2.47	5.13	6.20	5.05	2.85	3.20	2.22	1.58	3.08	2.42	40.14
1975	3.85	2.65	1.79	5.87	4.03	4.22	1.59	5.89	0.85	2.21	2.64	3.05	38.64
1976	1.02	1.74	5.28	3.51	5.22	1.60	2.42	1.02	2.29	1.67	0.64	0.51	26.92
1977	0.62	0.59	4.14	3.49	3.46	2.39	4.18	7.65	6.12	2.54	1.97	2.35	39.50
1978	1.64	0.61	1.38	4.39	4.24	3.09	6.12	1.58	4.27	2.05	2.90	3.22	35.49
1979	3.68	1.35	4.51	4.98	2.70	3.42	3.58	10.03	T	1.69	3.57	3.58	43.09
1980	0.66	0.99	1.81	2.92	2.85	3.97	3.62	7.83	6.05	2.84	1.14	2.43	37.11
1981	0.12	2.33	0.65	5.10	3.78	5.48	4.41	5.70	3.20	0.89	2.02	1.15	34.83
1982	2.35	0.49	3.68	3.05	3.94	2.47	6.54	3.77	1.52	1.84	6.26	6.14	42.05
1983	0.68	1.58	3.45	6.52	4.36	4.98	6.09	1.75	3.37	3.35	4.86	3.14	44.13
1984	0.84	1.95	2.92	3.22	3.94	3.24	1.86	2.03	3.37	2.45	3.54	2.44	31.80
1985	2.00	2.71	5.33	2.08	2.69	1.82	3.42	2.12	1.86	4.02	7.20	1.75	37.00
1986	0.35	2.21	1.33	1.65	3.35	3.56	5.20	1.76 c	8.94	2.97	1.22	1.79	34.33
1987	1.69	0.00	0.72	2.82	3.47	3.12	3.78	15.5	2.05	1.33	3.65	4.26	42.42
1988	2.52	1.42	2.52	2.88	2.16	2.80	4.66	3.26	2.95	3.48	5.67	2.14	36.46
1989	0.83	1.17	1.39	1.31	2.57	3.19	5.53	3.96	5.02	1.40	1.45	0.47	28.29
1990	2.54	2.93	3.16	1.89	8.34	5.46	4.69	3.62	1.52	4.36	6.13	1.41	46.05
1991	1.05	0.66	3.68	5.10 c	6.38 c	0.56	1.83	1.82	2.35	9.15	4.12 c	1.64	38.34
1992	1.09	1.08	2.51	2.43	0.04	1.30	4.75	3.64	6.43	0.77	5.54	4.21	33.79
1993	3.78	1.14	3.08	5.67	2.03	9.20	2.24	4.47	5.21	2.16	1.77	1.08	41.83
1994	1.76	2.85	0.78	1.55	1.33	5.66	2.13	6.87	1.77	1.17	6.45	2.17	34.49
1995	3.20	0.86	2.12	6.00	5.64	1.79	3.22	4.31	1.36	4.99	4.20	0.50	38.19
1996	1.60	0.74	1.00	2.64	5.63	5.44	11.95						

* Wheaton College missing data for one or more day Aurora College data substituted
c Wheaton 3 SE missing data for one or more days. Wheaton College data substituted

MEASUREABLE SNOWFALL (excludes trace amounts)

WHEATON, IL

YEAR	SEASONAL											TOTAL	
	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY		JUN
1937-1938	0	0	0	0	3.5	8.9	5.4	5.5	4.0	11.5	0	0	17.2
1938-1939	0	0	0	0	2.0	4.3	14.7	8.4	0	0	0	0	29.4
1939-1940	0	0	0	0	0	1.0	4.4	11.8	4.5	0	0.6	0	22.3
1940-1941	0	0	0	0	3.2	3.2	8.2	4.4	8.8	0	0	0	27.8
1941-1942	0	0	0	0	3.8	3.0	4.5	7.6	5.4	0	0	0	24.3
1942-1943	0	0	0	0	5.5	6.7	20.2	1.5	8.8	0	0	0	42.7
1943-1944	0	0	0	0	1.9	0	1.0	8.1	7.8	0	0	0	18.8
1944-1945	0	0	0	0	0	10.7	12.3	8.7	0	0	0.5	0	32.2
1945-1946	0	0	0	0	2.1	6.5	4.6	6.8	0	0	0	0	20.0
1946-1947	0	0	0	0	0	5.3	13.4	1.1	7.9	0	0	0	27.7
1947-1948	0	0	0	0	6.5	3.9	10.8	1.3	8.4	0	0	0	30.9
1948-1949	0	0	0	0	0	4.0	3.9 ⁿ	6.2	0	0	0	0	14.1
1949-1950	0	0	0	0	3.0	6.1 [*]	2.5 [*]	10.6	2.0	0	0	0	24.2
1950-1951	0	0	0	0	11.8	26.3	7.6	5.7	6.5	0	0	0	57.9
1951-1952	0	0	0	0	9.4	32.5	7.0	0.7	8.0	0	0	0	57.6
1952-1953	0	0	0	0	0	4.3	6.1	2.3	4.1	0	0	0	16.8
1953-1954	0	0	0	0	4.0	7.6	2.9	6.9	11.6	0	0	0	33.0
1954-1955	0	0	0	0	0.4	7.2	4.5	5.0	4.5	0	0	0	21.6
1955-1956	0	0	0	0	7.5	2.9	0.9	9.5	2.5	0	0	0	23.3
1956-1957	0	0	0	0	1.2	6.0	16.5	2.0	3.3	1.3	0	0	30.3
1957-1958	0	0	0	0	0.2	10.2	17.8	2.7	1.2	0	0	0	32.1
1958-1959	0	0	0	0	1.0	15.9	20.3	4.9	5.8	0.5	0	0	48.4
1959-1960	0	0	0	0	7.8	7.1	4.0	17.3	13.4	0	0	0	49.6
1960-1961	0	0	0	0	0.9	4.6	2.3	5.5	3.3	6.4	0	0	23.0
1961-1962	0	0	0	0	1.0	13.9	17.4	11.1	6.7	0	0	0	50.1
1962-1963	0	0	0	0.2	0	3.4	9.7	10.9	5.8	0	0	0	30.0
1963-1964	0	0	0	0	0	8.8	0	3.8	7.2	0	0	0	19.8
1964-1965	0	0	0	0	0.2	13.8 [*]	9.7 [*]	12.6 [*]	10.6 [*]	0	0	0	46.9
1965-1966	0	0	0	0	0	2.1	10.4	2.4	0	0	2.0	0	16.9
1966-1967	0	0	0	0	1.0	8.3	20.3	16.4	4.9	3.5	0	0	54.4
1967-1968	0	0	0	5.5	0.5	2.1	6.7	6.2	1.1	0	0	0	22.1
1968-1969	0	0	0	0	1.2	12.5	4.5	1.9	4.0	0	0	0	24.1
1969-1970	0	0	0	0	3.0	14.0	13.4	7.7	11.7	3.5	0	0	53.3
1970-1971	0	0	0	0	0	3.5	15.5	1.2	15.6	0	0	0	35.8
1971-1972	0	0	0	0	3.7	0	14.4	13.1	16.8	3.1	0	0	51.1
1972-1973	0	0	0	0	8.6	8.4	1.0	9.7	3.5	2.7	0	0	33.9
1973-1974	0	0	0	0	0	20.2	10.0	11.9	1.0	0	0	0	43.1
1974-1975	0	0	0	0	2.5	14.6	5.7	12.5	2.5	12.6	0	0	50.4
1975-1976	0	0	0	0	11.5	13.6	13.4	2.6	0.1	0	0	0	41.2
1976-1977	0	0	0	0	0.6	9.5	9.4	4.9	5.7	0.3	0	0	30.4
1977-1978	0	0	0	0	5.6	10.3	22.9	8.4	3.6	0	0	0	50.8
1978-1979	0	0	0	0	3.8	20.9	41.1	10.4	1.1	0	0	0	77.3
1979-1980	0	0	0	0	0	0.5	7.0	16.1	8.8	3	0	0	35.4
1980-1981	0	0	0	0	5.7	8.1	1.8	13.2	0	0	0	0	28.8
1981-1982	0	0	0	0	4.6	5.6	23.0	6.7	10.5	10.2	0	0	60.6
1982-1983	0	0	0	0	0.4	2.2	3.8	7.0	8.8	0	0	0	22.2
1983-1984	0	0	0	0	0.8	15.9 ^c	13.9	4.1	9.4	0	0	0	44.1
1984-1985	0	0	0	0	0	6.1	17.6	12.6	0	0	0	0	36.3
1985-1986	0	0	0	0	0	7.0	6.4	10.6	3.0	0	0	0	27.0
1986-1987	0	0	0	0	0	0	14.6	0	0	0	0	0	14.6
1987-1988	0	0	0	0	0	14.1	11.8	16.0	0	0	0	0	41.9
1988-1989	0	0	0	0	1.5	6.0	0.8	14.2	0	0	0	0	22.5
1989-1990	0	0	0	0	0.2	4.2 ^c	2.0	13.0	1.5	0	0	0	20.9
1990-1991	0	0	0	0	0	1.0	7.2	1.7	7.1 ^c	0	0	0	17.0
1991-1992	0	0	0	0	0.3	4.7 ^c	3.5	0	5.5	0	0	0	14.0
1992-1993	0	0	0	0	0.8 ^c	5.2 ^c	9.5 ^c	7.2	4.5	0	0	0	27.2
1993-1994	0	0	0	0	0	8.0	20.3	0	0	0	0	0	28.3
1994-1995	0	0	0	0	0	3.0	9.1 ^c	0.2	2.2	0	0	0	14.5
1995-1996	0	0	0	0	1.0	6.5	5.2	1.0	2.0	0	0	0	15.7
1996-1997	0												

* Wheaton College missing data for one or more day Aurora College data substituted
c Wheaton 3 SE missing data for one or more days. Wheaton College data substituted

WHEATON STATION HISTORY

Systematic daily weather observations began in Wheaton in 1885, but stopped in 1901, not to be started again until August 1936. Observations in Wheaton began at Wheaton College in 1936 and were transferred to the Morton Arboretum in 1966, where they continue to today. The records of these two sites are combined in this publication.

The observing site was originally operated under the auspices of the U.S. Army Signal Corps, followed by the U.S. Weather Bureau and finally, the National Weather Service (NWS). The Wheaton site is one of about 220 Cooperative sites operated by the National Weather Service in Illinois. Parameters measured include daily maximum and minimum temperature, precipitation, snowfall and snow on the ground.

Climate summaries, similar to this one are available for the following locations.

Anna	Fairfield	Mt. Vernon
Aurora	Freeport	Ottawa
Bloomington	Harrisburg	Peoria
Carbondale	Hillsboro	Quincy
Chicago	Hoopeston	Springfield
Champaign	Lincoln	Urbana
Decatur	Moline	Wheaton
Effingham		White Hall

Copies of these climate summaries, as well as additional weather and climate data are available from:

Illinois State Water Survey
ATT.: STATE CLIMATOLOGIST
2204 Griffith Dr.
Champaign IL 61820
217-333-0729

National Climatic Data Center
151 Patton Avenue
Asheville NC 28801-5001
704-271 -4800

