

SWS Miscellaneous Publication 98-23
STATE OF ILLINOIS
DEPARTMENT OF NATURAL RESOURCES

Local Climatological Data Summary
Monmouth, Illinois
1896 - 1995

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LOCAL CLIMATOLOGICAL DATA FOR
MONMOUTH, ILLINOIS 1896-1995

Climatological Summary:

Monmouth (Warren County) has a temperate continental climate, dominated by maritime tropical air from the Gulf of Mexico from about April through October. 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 give a few days respite.

From November through March, the Monmouth area is dominated by Pacific Ocean air. However, four to eight times each winter, cold, dry air from the Canadian Arctic breaks south, bringing temperatures into negative values. The highest temperature on record is 110°F recorded 15 July 1936, whereas the lowest is -27°F occurring on 13 February 1905. Winter winds are generally out of the west or northwest. The greatest precipitation amount ever recorded in Monmouth in 24 hours was 6.53 inches on 15 July 1929. The greatest monthly total ever was 20.03 inches, also occurring in September 1911.

Summer day temperatures in western 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. Average annual precipitation is 37.10 inches. Each summer month generally supports some four inches of rainfall, mostly in showers, and thunderstorms and are sometimes accompanied by hail. Tornadoes are infrequently experienced, however the state observes about 28 per year on average. Summer winds are usually out of the southwest.

Winters in northern Illinois can be severe, representing a distinct cold season with frequent frost, and snowfall. 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 in the low to mid 30s with lows in the teens. Ground frost is common from January through March.

Average annual snowfall is 28.2 inches but there is a great deal of variability. Snowfalls of 6 inches or more at Monmouth are expected once or twice each year on average, although there is substantial variability. The greatest snowfall ever during one month in Monmouth was 26.0 inches in March 1960. Snowcover often continues in Monmouth for a few weeks at a time. The longest snowcover of at least two inches in Monmouth was 105 days during the 1983-1984 winter.

Latitude N40 55
Longitude W 90 38

Climatological Summary
Means: 1961-1990 ; Extremes: 1895-1996

Monmouth, IL
Elevation 770

Mon	Temperature										Degree Days			Precipitation				Snow										
	Means					Extremes					Number of Days			Greatest Monthly		Greatest Daily		Number of Days			Greatest Monthly		Greatest Snow					
	Ave	Ave	Ave	High	Low	Ave	High	Low	Date	Date	Max	Min		Heat	Cool	Grow	Mean	Amount	Year	Amount	Date	>=0.1	>=0.5	>=1.0	Mean	Amount	Year	Depth
Jan	31.2	13.6	22.4	69	31/1989	-25	20/1985	0	14	29	5	1,322	0	0	1.53	5.74	1965	2.30	24/1938	4	1	0	7.4	23.2	1898	25	14/1979f	
Feb	36.5	18.3	27.4	73	15/1921	-27	13/1905	0	10	25	3	1,062	0	1	1.37	4.10	1994	2.23	20/1994	4	1	0	6.4	18.0	1944	17	8/1979f	
Mar	49.2	29.3	39.3	88	21/1907*	-12	1/1962	0	3	20	0	800	1	35	2.96	5.51	1965	2.65	19/1948	6	2	0	4.3	26.0	1960	17	16/1960	
Apr	63.8	40.4	52.1	93	10/1930*	10	2/1898	0	0	7	0	400	14	153	3.68	8.24	1950	3.12	24/1950	7	2	1	1.2	9.6	1982	16	2/1926	
May	74.5	50.4	62.5	102	31/1934	25	10/1866	1	0	0	0	149	71	394	3.84	11.29	1908	2.63	4/1890	8	3	1	0.0	0.3	1944			
Jun	83.2	59.6	71.4	104	1/1934	33	12/1903	6	0	0	0	17	209	643	3.96	13.97	1902	5.76	12/1946	7	3	1						
Jul	86.8	63.7	75.3	110	15/1936	43	17/1896	11	0	0	0	3	321	783	4.37	12.57	1982	6.53	15/1929	6	3	1						
Aug	84.4	61.1	72.8	105	14/1909*	38	31/1915	8	0	0	0	8	248	705	3.76	9.97	1965	4.90	16/1898	5	2	1						
Sep	77.4	53.6	65.5	103	3/1913	18	30/1899	3	0	0	0	92	106	468	3.99	20.03	1911	4.48	24/1911	6	3	1	0.0	1.1	1942	1	25/1942	
Oct	65.6	42.9	54.3	93	1/1897	7	30/1825	0	0	5	0	348	16	194	3.01	14.75	1941	4.14	1/1927	5	2	1	0.2	5.5	1967	3	23/1929	
Nov	50.2	31.6	41.0	82	1/1933	-4	26/1898	0	2	17	0	721	0	34	2.36	7.36	1934	2.46	27/1990	5	2	0	2.0	11.6	1974	9	18/1926f	
Dec	35.4	19.4	27.4	69	3/1970	-22	28/1924	0	11	27	3	1,366	0	3	2.27	4.37	1971	2.15	24/1965	4	1	0	6.7	18.5	1983	12	28/1983f	
Ave/Tot	61.5	40.3	50.9					29	40	130	11	6,088	986	3,413	37.10					67	25	7	28.2					

Degree Days: Heat and Cool base 65f; Growing base 50f
* Records also occurred on following dates:
Mar: High Temp 3/23/1910
Apr: High Temp 4/22/1980
Aug: High Temp 8/16/1936

+ Calendar day
++ Snowdepth records begin 1901
f Records also occurred on following dates:
Jan: Snowdepth 1/15/1979
Feb: Snowdepth 2/9,10/1979
Nov: Snowdepth 11/19/1926
Dec: Snowdepth 12/29,30,31/1983, 12/15,16,17,18/1987

Probabilities: Precipitation (in) Missing Data: 0.0%
Station: (115768) MONMOUTH Years: 1961 To 1990

	1%	5%	10%	25%	50%	75%	90%	95%	99%
Ja	0.11	0.27	0.40	0.73	1.29	2.07	2.99	3.65	5.12
Fe	0.26	0.44	0.57	0.85	1.25	1.77	2.34	2.73	3.57
Ma	0.58	0.98	1.26	1.85	2.71	3.80	5.00	5.82	7.58
Ap	0.60	1.08	1.43	2.18	3.31	4.78	6.41	7.54	9.98
Ma	1.07	1.60	1.95	2.65	3.61	4.78	6.03	6.87	8.63
Jn	0.80	1.34	1.71	2.50	3.63	5.06	6.64	7.71	10.01
Ju	0.59	1.13	1.55	2.47	3.87	5.74	7.85	9.33	12.53
Au	0.67	1.17	1.53	2.29	3.41	4.85	6.44	7.54	9.89
Se	0.24	0.63	0.97	1.82	3.29	5.41	7.94	9.76	13.81
Oc	0.17	0.46	0.71	1.35	2.46	4.08	6.01	7.41	10.52
No	0.30	0.59	0.81	1.31	2.08	3.11	4.28	5.10	6.88
De	0.41	0.71	0.92	1.38	2.06	2.92	3.88	4.54	5.95
An	21.80	25.60	27.80	31.76	36.59	41.89	47.07	50.37	56.93
Wi	2.02	2.70	3.12	3.93	4.99	6.21	7.47	8.30	10.01
Sp	4.35	5.71	6.54	8.11	10.14	12.48	14.87	16.43	19.64
Su	4.70	6.30	7.29	9.18	11.64	14.51	17.47	19.40	23.40
Fa	3.34	4.60	5.40	6.93	8.96	11.35	13.83	15.47	18.87

Growing Season Summary
Station: (115768) MONMOUTH
Years: 1961 To 1990 Missing Data: 0.0%

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	4/23	4/04	4/10	5/08	5/10	30	10/09	9/20	9/28	11/03	11/03	30
30	4/19	3/31	4/05	5/01	5/10	30	10/17	9/27	10/03	11/04	11/07	30
28	4/10	3/21	3/27	4/25	5/10	30	10/26	9/30	10/11	11/11	11/15	30
24	4/02	3/07	3/17	4/15	4/22	30	11/07	10/11	10/23	11/18	11/24	30
20	3/23	2/22	3/08	4/05	4/09	30	11/14	10/20	10/29	11/27	12/02	30
16	3/14	2/07	2/18	3/31	4/07	30	11/24	11/03	11/09	12/06	12/09	30

Base Temp	Length of Season (Days)				
	Median	Shortest	10%	90%	Longest
32	172	150	153	198	208
30	184	150	167	206	212
28	198	161	179	223	225
24	22C	193	194	236	250
20	233	194	221	257	263
16	257!	220	228	276	285

AVERAGE MAXIMUM TEMPERATURE													MONMOUTH,	IL
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVERAGE	
1896					80.2	81.8	85.6	84.5	72.5	63.2	47.9	41.6	M	
1897	30.0	36.2	45.6	59.6	72.6	83.2	88.3	84.1	87.6	73.8	49.6	31.6	61.9	
1898	35.5	36.0	51.1	61.0	71.5	83.9	88.1	83.5	80.3	58.5	46.1	33.9	60.8	
1899	32.9	26.4	39.2	63.4	73.1	84.6	88.6	89.2	77.7	71.6	57.0	35.0	61.6	
1900	37.4	29.2	40.5	64.7	75.8	84.6	88.1	92.4	79.1	72.0	47.4	36.2	62.3	
1901	35.8	26.8	45.5	61.4	75.0	86.5	95.0	89.7	78.7	69.3	48.4	30.5	61.9	
1902	33.1	28.4	49.4	63.0	76.7	77.0	85.5	82.1	71.6	66.8	55.3M	31.5	60.0M	
1903	32.3	32.3	55.2	63.6	75.8	77.9	89.5	84.2	76.8	66.0	46.2	31.3	60.9	
1904	24.8	27.6	45.6	57.4	74.1	81.1	84.4	82.5	78.1	65.0	51.8	34.9	58.9	
1905	25.5	25.0	54.5	63.1	74.8	84.7	82.8	88.1	80.0	64.2	50.4	37.6	60.9	
1906	36.5	35.4	37.0	66.9	77.8	83.4	86.9	89.4	84.3	64.8	46.2	37.1	62.1	
1907	34.2	38.1	55.2	57.7	70.1	80.9	87.5	86.1	78.2	64.1	49.8	39.4	61.8	
1908	36.1	34.5	53.1	64.9	73.1M	81.9	87.6	87.0	84.0	66.6	53.0	39.3	63.4M	
1909	33.8	41.5	47.1	61.2	73.3	85.5	86.1	95.3	78.6	63.3	58.7	26.3	62.6	
1910	31.0	33.1	65.1	66.8	69.8	84.5	89.9	87.2	74.5*	72.0	44.5	35.0	62.8**	
1911	35.7	39.9	53.8	59.1	82.8	92.1	89.8	86.4	79.6	60.9	42.4	41.1M	63.6M	
1912	19.5	28.4	37.9	63.0	76.9	81.4	87.0	82.8	78.3	69.7M	52.3	44.3	60.1M	
1913	37.1	33.6	46.3	64.3	72.8	85.7	92.0	92.5	79.9	63.5	56.9M	41.9	63.9M	
1914	39.9	29.6	47.7	63.6	78.2	87.1	93.5	90.3	77.5	68.0	55.7	28.5	63.3	
1915	28.8	41.3	42.2	71.4	70.8	80.0	81.6	78.4	77.6	68.7	54.5	34.8M	60.8M	
1916	35.9M	33.5	49.8	62.1	73.2	76.2	95.5	88.9	75.9	65.5	52.2	34.3	61.9M	
1917	34.3	31.7	50.5	56.7	67.9	78.0	86.2	83.1	76.2	54.9	52.6*	28.6	58.4**	
1918	19.8	39.2	59.9	57.3	78.5	83.5	85.8	90.3	72.3	66.6*	51.5	44.6	62.4**	
1919	38.5	40.9	53.7	64.2	71.1	86.4	92.2	85.5	82.6	67.0	47.0	28.4	63.1	
1920	28.7	36.8	51.8	55.3	72.5	84.8	86.0	84.9	82.0	72.0	46.7	39.3	61.7	
1921	39.6	43.2	59.6	64.7	76.5	86.5	91.5	83.8	80.1	67.0	45.7	39.8	64.8	
1922	33.9	40.5	49.4	62.8	76.0	85.3	85.8	86.6	81.5	71.8	51.7	38.7	63.7	
1923	38.2	32.0	44.8	63.0	73.2	83.4	89.5	84.9	75.7	60.5	50.8	45.9	61.8	
1924	27.8	35.6	40.9	65.5	66.9	77.8	81.7	83.6	71.2	73.3	52.6	29.9	58.9	
1925	32.6	41.6	55.7	71.9	71.5	84.5	87.1	86.1	81.3	51.6	47.5	31.6	61.9	
1926	35.3	40.2	41.5	55.9	77.2	78.2	86.5	84.5	73.6	62.2	43.7	33.6	59.4	
1927	31.4	43.4	52.0	60.9	68.8	77.5M	84.5	79.3	80.9	68.9	51.3	34.3	61.1M	
1928	34.8	40.2	50.7	58.0	75.6	75.6	85.7	84.9	73.0	66.8	47.8	39.6	61.1	
1929	26.6	28.6	54.5	62.4	69.0	79.2	84.3	82.6	75.2	62.8	43.9	34.4	58.6	
1930	23.8	45.7	49.0	66.3	73.8	80.2	90.2	87.1	80.8	60.6	51.5	34.7	62.0	
1931	39.2	45.0	43.0	61.3	68.5	85.0	90.9	83.2	81.6	66.9	55.7	42.1	63.5	
1932	37.9	44.1	38.6	61.9	76.8	84.2	87.2	84.1	76.5	63.9	45.4	35.2	61.3	
1933	45.8	36.8	49.1	62.0	71.6	92.1	88.2	83.4	84.1	63.3	51.5	39.1	63.9	
1934	40.0	34.5	45.0	64.1	81.4	91.9	92.6	85.7	73.5	68.6	53.4	31.6	63.5	
1935	33.4	37.1	52.9	56.2	63.8	77.3	90.2	85.4	76.9	65.5	45.3	30.1	59.5	
1936	23.1	23.4	53.1	59.9	79.2	86.7	98.5	92.9	79.3	64.1	48.6	41.2	62.5	
1937	30.6	34.0	45.5	59.0	74.1	80.7	87.8	88.4	78.8	62.6	46.5	31.2	59.9	
1938	32.3	42.1	57.9	61.6	69.7	78.4	87.8	87.4	78.6	72.8	53.2	36.4	63.2	
1939	39.5	37.9	52.2	59.1	78.3	82.7	86.9	83.4	83.7	68.6	50.9	43.2	63.9	
1940	20.2	34.1	42.8	61.1	71.4	84.1	90.5	82.7	80.3	71.1	47.2	38.9	60.4	
1941	34.0	34.2	44.8	66.8	78.4	83.0	87.6	88.2	80.8	66.5	51.7	42.6	63.2	
1942	33.2	32.8	51.2	68.4	71.4	81.0	85.9	84.4	74.0	67.0	51.6	30.7	61.0	
1943	30.5	40.8	45.6	62.2	69.3	82.2	87.2	85.4	73.1	64.9	45.0	35.4	60.1	
1944	41.8	38.7	43.9	57.5	76.7	84.9	86.5	85.3	76.7	66.9	49.3	30.0	61.5	
1945	27.6	36.9	60.8	62.6	66.3	76.1	84.9	85.8	75.2	64.5	48.7	28.2	59.8	

* Monmouth data missing, Aledo data substituted

** Annual average calculated from Monmouth and Aledo data

M monthly- fewer than 4 days missing. Annually- one or more months incomplete.

YEAR	AVERAGE MAXIMUM TEMPERATURE												ANNUAL AVERAGE
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1946	36.3	41.6	63.1	66.9	68.5	82.4	87.5	78.6	78.1	70.9	51.9	43.3	64.1
1947	36.5	30.4	41.7	60.6	68.1	77.1	83.9	93.4	80.0	74.1	42.1	39.2	60.6
1948	27.8	35.5	46.6	66.6	71.5	81.0	85.3	85.4	79.9	64.7	50.8	38.2	61.1
1949	32.5	33.4	46.6	62.6	76.4	84.9	87.8	85.6	72.6	69.4	52.0M	42.5M	62.2M
1950	39.9	35.1	43.8	56.2	75.4	80.7	82.4	79.7	76.0	73.1	44.6	27.9M	59.6M
1951	32.3M	35.8	42.6M	58.7	76.3	77.6	83.9	83.3	73.8	66.5	43.3	34.6	59.1M
1952	36.6	41.2	44.4	65.2	73.2	87.1	87.8	83.5	79.4	64.5	54.1	38.3	62.9
1953	34.7	43.2	49.0	58.0	72.1	86.1	88.8	89.4	81.8	72.5	54.0	41.4	64.3
1954	35.1	48.8	46.7	67.5	69.7	86.4	90.1	84.2	81.7	65.0	51.7	37.3	63.7
1955	32.5	35.6	49.4	70.6	76.5	79.5	91.6	90.0	80.5	66.4	45.6	35.2	62.8
1956	33.1	36.2	50.0	62.2	78.6	86.0	84.6	85.0	79.6	74.9	50.0	38.7	63.2
1957	28.4	41.5	48.7	61.8	72.3	81.6	89.0	87.6	75.8	62.5	47.7	42.8	61.6
1958	30.6	28.8	45.2	62.8	76.2	77.4	81.5	85.5	77.2	69.1	55.1	33.7	60.3
1959	27.7	36.0	49.7	62.9	77.8	84.8	85.6	88.4	79.5	61.0	42.7	42.1	61.5
1960	34.5M	31.5	34.2	65.8	70.7	79.6	85.6	85.4	81.6	67.8	53.1	36.5	60.5M
1961	33.7	42.0	50.5	57.1	71.5	84.5	85.4	85.9	78.4	67.1	49.6	34.0	61.6
1962	26.9	34.5	43.2	62.9	80.7	83.1	83.6	86.6	77.4	67.8	51.2	36.3	61.2
1963	21.6	31.4	52.6	67.0	73.7	87.2	86.1	82.4	79.3	78.2	54.1	25.6	61.6
1964	40.0	37.1	45.3	64.8	79.5	84.3	87.8	85.7	78.4	66.1	55.7	33.5	63.2
1965	33.4	37.5	36.7	61.1	79.3	81.9	84.0	83.0	74.8	66.3	53.1	45.3	61.4
1966	27.8	37.6	52.4	59.6	70.5	81.7	90.5	83.6	75.2	66.1	53.5	36.9	61.3
1967	38.7	33.6	50.5	62.6	69.5	82.2	82.7	79.6	74.1	64.2	46.1	37.5	60.1
1968	32.6	35.8	56.2	64.3	70.5	85.0	85.1	85.4	77.3	66.5	47.2	35.7	61.8
1969	28.0	36.8	45.2	65.7	73.8	78.5	86.0	84.4	76.1	63.3	49.9	33.5	60.1
1970	25.6	39.6	44.9	64.8	76.9	80.7	87.2	84.6	77.5	65.6	48.3	38.6	61.2
1971	29.2	35.9	46.3	68.0	72.3	88.5	83.3	84.6	80.8	71.5	51.9	40.8	62.8
1972	31.5	34.8	48.8	61.3	75.6	81.6	85.0	84.1	78.5	61.5	43.3	32.5	59.9
1973	36.2	38.5	55.4	60.1	70.3	83.7	85.9	85.5	76.0	70.1	51.9	33.5	62.3
1974	31.2	40.4	54.2	67.6	70.5	78.0	89.0	81.4	73.8	66.6	47.9	36.5	61.4
1975	35.0	33.0	42.5	58.4	77.0	83.1	86.2	84.3	73.7	69.3	55.2	39.3	61.4
1976	32.0	48.0	55.8	67.2	71.6	83.6	88.5	83.3	76.5	59.0	44.6	32.8	61.9
1977	19.2	39.3	54.5	71.2	82.3	83.8	90.8	81.4	76.4	62.0	48.1	32.1	61.8
1978	22.5	26.4	42.5	63.6	71.0	83.2	85.1	84.2	82.5	62.9	49.3	32.8	58.8
1979	19.2	26.2	47.4	57.9	75.9	83.2	84.3	84.5	80.6	66.0	48.2	41.6	59.6
1980	32.0	30.3	44.7	61.9	76.0	81.6	90.5	87.9	78.7	61.3	50.5	36.3	61.0
1981	35.2	40.8	53.3	68.3	69.9	82.3	83.0	82.2	75.6	62.2	51.2	33.6	61.5
1982	23.9	32.6	45.5	57.7	78.2	77.9	84.9	80.7	74.8	65.8	48.6	42.3	59.4
1983	33.1	41.1	48.4	54.7	70.0	84.5	91.6	91.8	79.5	64.9	51.7	21.1	61.0
1984	30.5	44.6	39.5	59.4	70.5	84.8	84.8	86.8	75.4	66.3	51.9	42.3	61.4
1985	25.7	31.7	54.0	70.3	76.8	80.2	85.8	81.4	77.4	65.2	45.0	27.8	60.1
1986	36.3	32.0	54.3	70.9	75.7	84.9	88.5	80.1	79.2	66.2	45.1	38.1	62.6
1987	33.8	46.7	56.0	69.5	83.1	88.2	91.9	85.6	78.2	62.3	53.0	38.0	65.5
1988	32.5	34.3	52.4	68.2	81.4	89.8	92.9	91.5	81.8	60.5	51.2	39.8	64.7
1989	43.6	28.4	50.2	63.5	72.7	82.0	88.2	85.8	75.0	68.4	52.7	27.3	61.5
1990	43.7	43.8	53.9	63.2	69.5	83.0	84.6	84.4	79.9	66.2	57.0	35.9	63.8
1991	29.7	41.8	54.9	68.7	79.9	87.7	88.9	85.9	79.3	65.4	44.0	40.5	63.9
1992	38.5	44.4	53.7	63.6	77.1	83.2	81.9	80.5	75.4	66.3	43.9	35.9	62.0
1993	33.3	32.4	45.1	60.6	75.7	81.9	84.4	84.6	71.0	64.3	46.6	36.5	59.7
1994	25.2	35.8	53.9	66.9	76.5	86.6	85.2	83.2	79.2	68.3	53.7	41.8	63.0
1995	29.6	38.1	53.7	63.0	70.8	84.5	88.5	90.1	74.9	66.9	44.7	35.8	61.7

* Honmouth data missing, Aledo data substituted

** Annual average calculated from Monmouth and Aledo data

M monthly- fewer than 4 days missing. Annually- one or more months incomplete.

YEAR	AVERAGE												ANNUAL AVERAGE
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1896					56.7	58.1	62.0	60.2	49.7	36.4	27.3	26.3	
1897	13.1	22.3	28.2	39.7	46.2	58.7	63.4	56.2	55.7	44.4	27.2	19.6	39.6
1898	18.5	18.0	31.0	37.5	50.0	60.5	60.4	60.4	55.3	40.7	25.2	15.5	39.4
1899	14.2	6.6	22.2	39.9	50.1	59.3	61.9	60.9	50.2	44.7	35.2	16.5	38.5
1900	19.3	9.7	21.9	39.6	50.7	56.8	61.6	65.7	54.4	47.7	27.2	18.5	39.4
1901	17.5	7.6	26.8	36.4	47.0	60.1	64.8	57.3	49.5	41.5	23.3	14.2	37.2
1902	13.1	6.2	29.7	35.1	52.9	54.7	61.7	57.1	47.9	41.5	34.7M	15.2	37.5M
1903	15.5	13.2	30.6	38.6	51.2	51.5	60.2	58.6	50.2	39.8	25.0	11.0	37.1
1904	7.0	9.5	27.6	33.5	49.0	55.3	59.2	56.3	53.5	41.0	29.3	17.1	36.5
1905	7.2	6.6	33.8	39.5	49.8	60.1	61.3	63.7	56.1	40.9	28.9	20.4	39.0
1906	20.2	18.3M	22.2	42.2	51.0	58.0	60.2	63.8	57.3	40.6	28.9	21.9	40.4M
1907	18.1	19.0	35.5	32.8	43.8	56.5	64.7	61.4	53.5	40.7	29.1	25.4	40.0
1908	19.2	20.0	32.4	41.3	53.4M	58.5	62.8	59.5	54.0	41.0	32.1	21.0	41.3M
1909	17.2	22.1	27.8	37.3	47.6	60.6	61.7	63.8	51.6	38.5	38.7	11.6	39.9
1910	16.4	14.5	37.8	41.1	45.4	56.9	63.3	60.6	54.3*	44.5	26.1	17.3	39.9**
1911	17.4	23.1	29.5	37.8	54.5	63.2	62.6	59.8	56.7	41.0	23.6	25.3	41.2
1912	2.0	13.2	19.2	40.8	52.3	55.8	63.5	59.9	54.8	42.1	32.3M	23.3	38.3M
1913	17.3	14.9	23.9	40.5	50.5	59.5	65.4	64.8	53.9	41.5	38.0M	29.5M	41.6M
1914	24.0	11.0	28.1	40.4	50.4	61.6	64.6	61.3	53.9	46.4	32.8	12.9	40.6
1915	11.6	27.7	25.6	45.7	47.2	55.3	61.5	56.2	55.8	41.9	33.4	19.2	40.1
1916	15.5	15.6	27.6	38.9	50.9	54.5	66.0	63.2	51.3	41.5	31.2	14.8M	39.3M
1917	13.7	9.5	28.1	36.9	44.8	56.5	62.4	57.8	51.6	33.8	32.9*	11.2	36.6**
1918	0.9	17.1	32.1	36.2	54.4	60.0	61.8	66.4	47.2	44.5*	33.2	27.9	40.1**
1919	18.3	21.4	30.4	41.1	46.6	63.6	65.9	60.5	55.9	44.3	28.1	12.4	40.7
1920	11.4	19.5	30.8	35.1	49.4	60.6	61.2	60.0	56.3	48.5	29.8	21.8	40.4
1921	23.5	26.0	36.4	42.7	53.3	64.8	67.1	62.7	58.4	43.8	30.8	22.9	44.4
1922	12.2	18.9	31.6	41.5	54.6	61.2	61.5	62.0	56.2	44.3	35.3	18.9	41.5
1923	23.6	14.7	22.8	37.9	48.4	61.1	64.4	60.3	55.6	38.5	32.4	29.2	40.7
1924	8.6	20.1	27.2	42.2	45.4	58.3	60.5	62.7	48.8	46.5	30.7	11.6	38.6
1925	13.1	23.5	28.8	44.3	44.7	61.1	63.4	61.6	60.2	34.4	26.8	15.0	39.7
1926	17.5	25.1	23.1	33.7	51.4M	56.0	64.4	64.8	56.9	44.1	27.8	18.7	40.3M
1927	15.7	27.3	33.5	41.7	49.8	56.7	63.1	56.9	59.2	46.5	33.9	16.5	41.7
1928	19.2	24.4	30.1	36.8	50.8	57.0	65.2	63.3	50.1	46.8	34.2	23.8	41.8
1929	6.1	11.6	34.0	42.9	49.4	57.6	64.7	60.1	53.9	42.8	26.7	21.2	39.3
1930	6.7	29.1	28.9	41.5	51.5	58.9	64.9	62.6	55.4	42.0	31.3	22.6	41.3
1931	23.3	27.9	27.6	40.4	46.7	63.6	66.2	60.9	60.9	49.1	39.3	30.3	44.7
1932	24.5	24.8	22.1	39.2	51.2	61.9	65.1	62.6	52.2	41.6	25.7	18.6	40.8
1933	26.6	15.8	30.0	39.3	52.7	65.4	65.0	60.6	60.4	42.0	29.1	23.6	42.5
1934	23.7	15.4	25.6	40.2	55.2	66.0	68.6	62.7	53.5	46.1	37.0	19.0	42.8
1935	16.9	25.7	34.7	39.2	47.5	58.1	68.7	64.1	54.6	43.3	30.5	15.3	41.6
1936	8.0	3.7	31.8	37.6	55.6	58.2	69.8	67.5	59.5	44.0	28.3	24.9	40.7
1937	13.1	17.6	27.1	40.9	52.2	60.4	63.9	66.1	52.9	42.0	27.2	19.7	40.3
1938	17.2	28.3	37.3	42.1	50.9	58.3	64.8	65.1	56.7	47.2	32.0	21.2	43.4
1939	23.8	16.0	29.6	37.5	53.7	62.4	64.6	60.5	56.9	44.0	31.4	25.3	42.1
1940	3.2	20.8	26.1	38.2	47.5	61.7	63.9	62.5	52.8	46.7	27.9	25.2	39.7
1941	21.5	16.7	25.6	45.1	54.8	61.6	63.2	63.4	56.5	47.3	33.7	28.5	43.2
1942	16.6	20.0	32.2	43.0	50.2	61.3	64.2	61.7	53.6	42.4	32.4	15.9	41.1
1943	13.6	19.6	23.3	37.3	48.3	63.0	64.5	64.2	50.0	41.3	26.5	18.7	39.2
1944	20.5	20.0	25.1	37.0	55.2	63.5	61.6	62.3	56.3	43.4	36.9	15.4	41.4
1945	12.9	22.9	38.5	42.1	46.6	57.6	61.9	62.9	55.9	41.7	30.4	14.5	40.7

* Monmouth data missing, Aledo data substituted

** Annual average calculated from Monmouth and Aledo data

M monthly- fewer than 4 days missing. Annually- one or more months incomplete.

AVERAGE MONTHLY TEMPERATURE										MONMOUTH,			IL
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVERAGE
1946	19.1	22.0	39.7	43.3	49.2	59.9	63.6	59.1	52.7	47.4	33.0	24.5	42.8
1947	20.3	13.4	24.2	39.7	46.5	58.0	60.1	67.3	54.1	48.6	24.4	20.2	39.7
1948	9.7	17.7	27.6	44.6	48.0	58.9	63.5	61.9	56.5	40.2	33.8	21.2	40.3
1949	16.4	16.5	27.7	37.2	51.8	63.0	67.5	60.8	47.6	44.9	31.2	22.1M	40.6M
1950	18.0	17.9M	25.0	32.3	49.6	58.3	57.5	56.7	52.0	45.4	23.9M	11.1	37.3M
1951	14.3M	18.2	24.9	38.0	52.2	59.0M	62.2M	59.5	50.9	44.7	24.1	16.1	38.7M
1952	17.2	25.6	25.2	40.4	48.5	64.0	63.5	60.2	51.5	35.0	31.9	25.1	40.7
1953	20.9	24.6	30.6	36.9	51.2	62.6	63.7	60.8	52.9	45.0	32.5	22.6	42.0
1954	17.1M	28.6	27.1	44.0	45.7	64.2	65.5	63.5	56.3	44.9	32.9	25.1	42.9M
1955	17.1	18.4	27.1	47.1	52.9	56.9	69.0	64.2	54.5	43.2	24.5	17.1	41.0
1956	15.1	20.6	27.5	36.8	52.8	62.1	63.2	63.1	52.0	47.9	30.4	24.2	41.3
1957	9.6	26.6	28.0	42.1	50.8	60.7	67.5	62.2	51.8	39.4	31.3	26.1	41.3
1958	17.6	9.7	28.1	40.9	49.4	56.6	62.2	63.2	53.9	43.5	33.7	14.3	39.4
1959	9.1	18.6	28.6	39.9	55.3	60.7	61.7	66.5	55.6	42.1	23.3	28.6	40.8
1960	18.9	16.1	14.3	43.2	49.3	58.4	61.5	62.3	56.2	41.5	31.7	17.7	39.3
1961	13.2	23.2	31.4	35.2	45.1	57.8	62.1	61.5	54.6	44.8	32.3	17.2	39.9
1962	9.3	17.8	24.8	38.9	57.3	59.5	61.5	61.2	49.9	45.6	30.0	16.5	39.4
1963	5.8	11.9	32.5	42.7	49.3	60.0	62.8	60.1	53.8	51.1	33.3	7.5	39.2
1964	20.4	19.0	26.6	41.2	54.7	60.9	64.8	59.4	54.2	37.9	34.0	18.8	41.0
1965	14.6	17.3	19.5	41.4	54.6	58.4	62.4	60.9	55.5	43.1	32.7	28.9	40.8
1966	9.4	18.5	29.8	37.6	45.4	58.9	65.4	58.5	51.7	40.0	32.7	21.4	39.1
1967	18.4	13.9	31.1	42.2	45.6	60.6	59.8	56.5	50.2	42.6	28.1M	23.4	39.4M
1968	14.3	14.9	31.9	40.5	47.0	61.0	62.5	62.8	51.6	43.0	30.0	19.4	39.9
1969	12.2	22.6	22.8	41.6M	50.5	55.5	66.5	61.8	53.5	41.5	28.0	18.7	39.6M
1970	8.6	17.4	26.5	40.7	53.5	59.4	62.7	61.2	55.0	44.5	31.5	22.9	40.3
1971	9.7	20.6	27.2	39.3	47.2	65.3	60.1	59.1	56.7	50.2	32.5	26.1	41.2
1972	11.6	15.5	27.3	37.8	51.0	56.0	63.0	63.2	57.8	41.0	31.5	17.5	39.4
1973	21.0	22.8	37.8	40.7	48.3	61.0	65.2	63.6	57.4	48.8	33.1	19.0	43.2
1974	17.0	21.9	31.7	43.7	51.2	56.3	65.6	60.4	48.7	43.0	33.4	24.4	41.4
1975	19.5	19.6	23.7	37.0	52.8	61.0	61.7	63.5	50.6	43.8	36.3	24.8	41.2
1976	12.3	27.9	32.7	41.8	47.2	58.3	63.8	58.5	51.0	37.5	21.6	11.0	38.6
1977	1.3	19.5	34.8	44.8	55.9	59.3	65.9	60.7	56.6	42.1	32.6	16.1	40.8
1978	6.0	8.8	24.4	40.7	50.4	59.5	64.3	60.8	57.7	41.4	33.0	19.1	38.8
1979	3.0	7.3	30.1	39.1	49.4	59.0	61.7	61.6	51.0	43.7	31.4	25.0	38.5
1980	18.7	14.7	27.2	39.9	51.8	58.8	66.7	65.1	54.4	39.4	32.0	21.6	40.9
1981	17.0	19.9	30.2	45.7	47.8	61.4	64.2	60.7	52.2	41.7	34.6	19.1	41.2
1982	4.1	16.2	27.8	35.3	56.2	55.6	64.8	61.8	53.9	44.1	32.4	28.5	40.1
1983	20.6	25.4	32.3	37.3	48.3	61.0	66.1	64.1	53.3	45.0	35.2	8.1	41.4
1984	13.5	27.1	24.4	41.4	47.3	63.2	61.5	61.3	50.5	44.4	29.0	22.0	40.5
1985	4.3	13.4	31.4	43.0	50.4	55.1	60.3	55.9	54.5	45.5	30.0	8.5	37.7
1986	18.6	17.6	33.2	43.6	52.8	61.7	66.5	56.4	59.3	45.5	27.7	24.5	42.3
1987	19.2	26.9	33.6	42.1	54.3	62.7	66.1	61.2	52.0	37.6	36.6	26.5	43.2
1988	13.4	13.9	29.3	38.9	50.9	60.3	65.5	67.1	55.3	37.1	31.9	20.6	40.4
1989	25.6	10.2	28.5	40.4	48.2	59.7	65.5	61.8	49.6	42.8	27.7	6.3	38.9
1990	24.5	22.5	33.4	38.8	46.6	60.8	62.5	61.0	54.4	39.1	34.2	18.7	41.4
1991	14.5	26.3	34.3	45.4	59.3	64.3	64.7	62.5	54.8	44.5	27.1	25.4	43.6
1992	24.3	29.6	34.3	41.1	50.0	57.2	63.1	56.7	52.1	42.3	33.4	23.0	42.3
1993	19.7	18.9	28.6	40.1	54.1	60.6	66.8	65.3	50.9	41.3	30.1	22.9	41.6
1994	10.0	15.8	30.4	40.9	48.8	61.8	62.7	60.3	54.8	46.5	35.5	27.1	41.2
1995	16.5	20.5	32.1	38.8	50.1	61.5	65.2	67.6	49.3	42.8	24.9	19.9	40.8

* Monmouth data missing, Aledo data substituted

** Annual average calculated from Monmouth and Aledo data

M monthly- fewer than 4 days missing. Annually- one or more months incomplete.

YEAR	AVERAGE TEMPERATURE												ANNUAL AVERAGE
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1895	17.4	17.5	37.9	53.1	62.8	73.2	N	73.8	68.0	48.5	37.0	29.8	
1896	27.5	27.8	34.6	58.0	68.4	70.0	73.8	72.4	61.1	49.8	37.6	34.0	51.3
1897	21.6	29.2	36.9	49.6	59.4	71.0	76.1	70.2	72.6	59.1	38.4	24.2	50.7
1898	27.0	27.0	41.0	49.2	60.8	72.2	74.2	72.0	67.8	49.6	35.6	24.7	50.1
1899	23.6	16.5	30.7	51.6	61.6	72.0	74.8	75.0	64.0	58.4	46.1	25.8	50.0
1900	28.4	19.4	31.2	52.2	63.2	70.7	74.8	79.0	66.8	59.8	37.3	27.4	50.9
1901	26.6	17.2	36.2	48.9	61.0	73.3	80.4	73.5	64.1	55.4	35.9	22.4	49.6
1902	23.1	17.3	39.6	49.1	64.8	65.9	73.6	69.6	59.8	54.2	45.0M	23.4	48.8M
1903	23.4	22.8	42.9	51.1	63.5	64.7	74.9	71.4	63.5	52.9	35.6	21.2	49.0
1904	15.9	18.6	36.6	45.5	61.6	68.2	71.8	69.4	65.8	53.0	40.6	26.0	47.8
1905	16.4	15.8	44.2	51.3	62.3	72.4	72.1	75.9	68.1	52.6	39.7	29.2	50.0
1906	28.4	26.9M	29.6	54.6	64.4	70.7	73.6	76.6	70.8	52.7	37.6	29.5	51.3M
1907	26.2	28.6	45.4	45.3	57.0	68.7	76.1	73.8	65.9	52.4	39.5	32.4	50.9
1908	27.7	27.3	42.8	53.1	63.2M	70.2	75.2	73.3	69.0	53.8	42.6	30.2	52.4M
1909	25.5	31.8	37.5	49.3	60.5	73.1	73.9	79.6	65.1	50.9	48.7	19.0	51.2
1910	23.7	23.8	51.5	54.0	57.6	70.7	76.6	73.9	64.4*	58.3	35.3	26.2	51.3**
1911	26.6	31.5	41.7	48.5	68.7	77.7	76.2	73.1	68.2	51.0	33.0	33.2M	52.5M
1912	10.8	20.8	28.6	51.9	64.6	68.6	75.3	71.4	66.6	55.9M	42.3M	33.8	49.2M
1913	27.2	24.3	35.1	52.4	61.7	72.6	78.7	78.7	66.9	52.5	47.5M	35.7M	52.8M
1914	32.0	20.3	37.9	52.0	64.3	74.4	79.1	75.8	65.7	57.2	44.3	20.7	52.0
1915	20.2	34.5	33.9	58.6	59.0	67.7	71.6	67.3	66.7	55.3	44.0	27.0M	50.5M
1916	25.7M	24.6	38.7	50.5	62.1	65.4	80.8	76.1	63.6	53.5	41.7	24.6M	50.6M
1917	24.0	20.6	39.3	46.8	56.4	67.3	74.3	70.5	63.9	44.4	42.8*	19.9	47.5**
1918	10.4	28.2	46.0	46.8	66.5	71.8	73.8	78.4	59.8	55.6*	42.4	36.3	51.3**
1919	28.4	31.2	42.1	52.7	58.9	75.0	79.1	73.0	69.3	55.7	37.6	20.4	52.0
1920	20.1	28.2	41.3	45.2	61.0	72.7	73.6	72.5	69.2	60.3	38.3	30.6	51.1
1921	31.6	34.7	48.0	53.7	64.9	75.7	79.3	73.3	69.3	55.4	38.3	31.4	54.6
1922	23.1	29.7	40.5	52.2	65.3	73.3	73.7	74.3	68.9	58.1	43.5	28.8	52.6
1923	30.9	23.4	33.8	50.5	60.8	72.3	77.0	72.6	65.7	49.5	41.6	37.6	51.3
1924	18.2	27.9	34.1	53.9	56.2	68.1	71.1	73.2	60.0	59.9	41.7	20.8	48.8
1925	22.9	32.6	42.3	58.1	58.1	72.8	75.3	73.9	70.8	43.0	37.2	23.3	50.9
1926	26.4	32.7	32.3	44.8	64.3M	67.1	75.5	74.7	65.3	53.2	35.8	26.2	49.9M
1927	23.6	35.4	42.8	51.3	59.3	67.1M	73.8	68.1	70.1	57.7	42.6	25.4	51.4M
1928	27.0	32.3	40.4	47.4	63.2	66.3	75.5	74.1	61.6	56.8	41.0	31.7	51.4
1929	16.4	20.1	44.3	52.7	59.2	68.4	74.5	71.4	64.6	52.8	35.3	27.8	49.0
1930	15.3	37.4	39.0	53.9	62.7	69.6	77.6	74.9	68.1	51.3	41.4	28.7	51.7
1931	31.2	36.5	35.3	50.9	57.6	74.3	78.6	72.1	71.3	58.0	47.5	36.2	54.1
1932	31.2	34.5	30.4	50.6	64.0	73.1	76.2	73.4	64.4	52.8	35.6	26.9	51.1
1933	36.2	26.3	39.6	50.7	62.2	78.8	76.6	72.0	72.3	52.7	40.3	31.4	53.3
1934	31.9	25.0	35.3	52.2	68.3	79.0	80.6	74.2	63.5	57.4	45.2	25.3	53.2
1935	25.2	31.4	43.8	47.7	55.7	67.7	79.5	74.8	65.8	54.4	37.9	22.7	50.6
1936	15.6	13.6	42.5	48.8	67.4	72.5	84.2	80.2	69.4	54.1	38.5	33.1	51.7
1937	21.9	25.8	36.3	50.0	63.2	70.6	75.9	77.3	65.9	52.3	36.9	25.5	50.1
1938	24.8	35.2	47.6	51.9	60.3	68.4	76.3	76.3	67.7	60.0	42.6	28.8	53.3
1939	31.7	27.0	40.9	48.3	66.0	72.6	75.8	72.0	70.3	56.3	41.2	34.3	53.0
1940	11.7	27.5	34.5	49.7	59.5	72.9	77.2	72.6	66.6	58.9	37.6	32.1	50.1
1941	27.8	25.5	35.2	56.0	66.6	72.3	75.4	75.8	68.7	56.9	42.7	35.6	53.2
1942	24.9	26.4	41.7	55.7	60.8	71.2	75.1	73.1	63.8	54.7	42.0	23.3	51.1
1943	22.1	30.2	34.5	49.8	58.8	72.6	75.9	74.8	61.6	53.1	35.8	27.1	49.7
1944	31.2	29.4	34.5	47.3	66.0	74.2	74.1	73.8	66.5	55.2	43.1	22.7	51.5
1945	20.3	29.9	49.7	52.4	56.5	66.9	73.4	74.4	65.6	53.1	39.6	21.4	50.3

* Monmouth data missing, Aledo data substituted.

** Annual average calculated from Monmouth and Aledo data.

M monthly- fewer than 4 days missing. Annually- one or more months incomplete.

YEAR	AVERAGE TEMPERATURE												ANNUAL AVERAGE
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1946	27.7	31.8	51.4	55.1	58.9	71.2	75.6	68.9	65.4	59.2	42.5	33.9	53.5
1947	28.4	21.9	33.0	50.2	57.3	67.6	72.0	80.4	67.1	61.4	33.3	29.7	50.2
1948	18.8	26.6	37.1	55.6	59.8	70.0	74.4	73.7	68.2	52.5	42.3	29.7	50.7
1949	24.5	25.0	37.2	49.9	64.1	74.0	77.7	73.2	60.1	57.2	41.6M	32.3M	51.4M
1950	29.0	26.5M	34.4	44.3	62.5	69.5	70.0	68.2	64.0	59.3	34.3M	19.5M	48.5M
1951	23.3M	27.0	33.8M	48.4	64.3	68.3M	73.1M	71.4	62.4	55.6	33.7	25.4	48.9M
1952	26.9	33.4	34.8	52.8	60.9	75.6	75.7	71.9	65.5	49.8	43.0	31.7	51.8
1953	27.8	33.9	39.8	47.5	61.7	74.4	76.3	75.1	67.4	58.8	43.3	32.0	53.2
1954	26.1M	38.7	36.9	55.8	57.7	75.3	77.8	73.9	69.0	55.0	42.3	31.2	53.3M
1955	24.8	27.0	38.3	58.9	64.7	68.2	80.3	77.1	67.5	54.8	35.1	26.2	51.9
1956	24.1	28.4	38.8	49.5	65.7	74.1	73.9	74.1	65.8	61.4	40.2	31.5	52.3
1957	19.0	34.1	38.4	52.0	61.6	71.2	78.3	74.9	63.8	51.0	39.5	34.5	51.5
1958	24.1	19.3	36.7	51.9	62.8	67.0	71.9	74.4	65.6	56.3	44.4	24.0	49.9
1959	18.4	27.3	39.2	51.4	66.6	72.8	73.7	77.5	67.6	51.6	33.0	35.4	51.2
1960	26.7M	23.8	24.3	54.5	60.0	69.0	73.6	73.9	68.9	54.7	42.4	27.1	49.9M
1961	23.5	32.6	41.0	46.2	58.3	71.2	73.8	73.7	66.5	56.0	41.0	25.6	50.8
1962	18.1	26.2	34.0	50.9	69.0	71.3	72.6	73.9	63.7	56.7	40.6	26.4	50.3
1963	13.7	21.7	42.6	54.9	61.5	73.6	74.5	71.3	66.6	64.7	43.7	16.6	50.5
1964	30.2	28.1	36.0	53.0	67.1	72.6	76.3	72.6	66.3	52.0	44.9	26.2	52.1
1965	24.0	27.4	28.1	51.3	67.0	70.2	73.2	72.0	65.2	54.7	42.9	37.1	51.1
1966	18.6	28.1	41.1	48.6	58.0	70.3	78.0	71.1	63.5	53.1	43.1	29.2	50.2
1967	28.6	23.8	40.8	52.4	57.6	71.4	71.3	68.1	62.2	53.4	37.1M	30.5	49.8M
1968	23.5	25.4	44.1	52.4	58.8	73.0	73.8	74.1	64.5	54.8	38.6	27.6	50.9
1969	20.1	29.7	34.0	53.7M	62.2	67.0	76.3	73.1	64.8	52.4	39.0	26.1	49.9M
1970	17.1	28.5	35.7	52.8	65.2	70.1	75.0	72.9	66.3	55.1	39.9	30.8	50.8
1971	19.5	28.3	36.8	53.7	59.8	76.9	71.7	71.9	68.8	60.9	42.2	33.5	52.0
1972	21.6	25.2	38.1	49.6	63.3	68.8	74.0	73.7	68.2	51.3	37.4	25.0	49.7
1973	28.6	30.7	46.6	50.4	59.3	72.4	75.6	74.6	66.7	59.5	42.5	26.3	52.8
1974	24.1	31.2	43.0	55.7	60.9	67.2	77.3	70.9	61.3	54.8	40.7	30.5	51.5
1975	27.3	26.3	33.1	47.7	64.9	72.1	74.0	73.9	62.2	56.6	45.8	32.1	51.3
1976	22.2	38.0	44.3	54.5	59.4	71.0	76.2	70.9	63.8	48.3	33.1	21.9	50.3
1977	10.3	29.4	44.7	58.0	69.1	71.6	78.4	71.1	66.5	52.1	40.4	24.1	51.3
1978	14.3	17.6	33.5	52.2	60.7	71.4	74.7	72.5	70.1	52.2	41.2	26.0	48.9
1979	11.1	16.8	38.8	48.5	62.7	71.1	73.0	73.1	65.8	54.9	39.8	33.3	49.1
1980	25.4	22.5	36.0	50.9	63.9	70.2	78.6	76.5	66.6	50.4	41.3	29.0	50.9
1981	26.1	30.4	41.8	57.0	58.9	71.9	73.6	71.5	63.9	52.0	42.9	26.4	51.4
1982	14.0	24.5	36.7	46.5	67.2	66.8	74.9	71.3	64.4	55.0	40.5	35.4	49.8
1983	26.9	33.3	40.4	46.0	59.2	72.8	78.9	78.0	66.4	55.0	43.5	14.6	51.3
1984	22.0	35.9	32.0	50.4	58.9	74.0	73.2	74.1	63.0	55.4	40.5	32.2	51.0
1985	15.0	22.6	42.7	56.7	63.6	67.7	73.1	68.7	66.0	55.4	37.5	18.2	48.9
1986	27.5	24.8	43.8	57.3	64.3	73.3	77.5	68.3	69.3	55.9	36.4	31.3	52.5
1987	26.5	36.8	44.8	55.8	68.7	75.5	79.0	73.4	65.1	50.0	44.8	32.3	54.4
1988	23.0	24.1	40.9	53.6	66.2	75.1	79.2	79.3	68.6	48.8	41.6	30.2	52.6
1989	34.6	19.3	39.4	52.0	60.5	70.9	76.9	73.8	62.3	55.6	40.2	16.8	50.2
1990	34.1	33.2	43.7	51.0	58.1	71.9	73.6	72.7	67.2	52.7	45.6	27.3	52.6
1991	22.1	34.1	44.6	57.1	69.6	76.0	76.8	74.2	67.1	55.0	35.6	33.0	53.8
1992	31.4	37.0	44.0	52.4	63.6	70.2	72.5	68.6	63.8	54.3	38.7	29.5	52.2
1993	26.5	25.7	36.9	50.4	64.9	71.3	75.6	75.0	61.0	52.8	38.4	29.7	50.7
1994	17.6	25.8	42.2	53.9	62.7	74.2	74.0	71.8	67.0	57.4	44.6	34.5	52.1
1995	23.1	29.3	42.9	50.9	60.5	73.0	76.9	78.9	62.1	54.9	34.8	27.9	51.3

* Honmouth data missing, Aledo data substituted.

** Annual average calculated from Honmouth and Aledo data.

M monthly- fewer than 4 days missing. Annually- one or more months incomplete.

COOLING DEGREE DAYS

HONMOUTH, IL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
1895	0/	0/	0/	0/	64/	246/	H	273/	148/	0/	0/	0/	H
1896	0/	0/	0/	0/	156/	180/	273/	229/	38/	0/	0/	0/	876/
1897	0/	0/	0/	0/	8/	195/	344/	185/	228/	3/	0/	0/	963/
1898	0/	0/	0/	0/	31/	216/	285/	217/	145/	0/	0/	0/	894/
1899	0/	0/	0/	0/	44/	210/	304/	310/	84/	0/	0/	0/	952/
1900	0/	0/	0/	0/	70/	191/	304/	434/	129/	15/	0/	0/	1,143/
1901	0	0	0	13	41	282	477/	271	99	13	0	0	1,196//
1902	0	0	0	6	96	107	280	167	15	6	2M	0	679M
1903	0	0	2	3	81	63	311	218	66	9	0	0	753
1904	0	0	0	4	38	116	225	152	100	16	0	0	651
1905	0	0	0	1	45	238	236	345	128	22	0	0	1,015
1906	0	0M	0	5	128	193	274	369	209	7	0	0	1,185M
1907	0	0	16	0	33	145	352	281	132	7	0	0	966
1908	0	0	0	8	103M	194	327	267	195	25	0	0	1,119M
1909	0	0	0	0	37	252	294	462	110	8	0	0	1,163
1910	0	0	15	20	13	229	367	288	73*	47	0	0	1,052**
1911	0	0	0	0	205	386	359	265	139	8	0	0M	1,362M
1912	0	0	0	2	90	151	328	232	195	9M	0M	0	1,007M
1913	0	0	0	9	54	281	432	429	172	30	3M	0M	1,410M
1914	0	0	0	22	110	297	443	341	89	16	0	0	1,318
1915	0	0	0	39	32	114	218	129	129	2	3	0M	666M
1916	0M	0	0	2	69	71	495	359	117	20	0	0M	1,133M
1917	0	0	0	5	37	128	302	181	83/	0	0*	0	736/†
1918	0	0	0	0	138	216	281	422	26	20*	0	0	1,103**
1919	0	0	0	7	41	310	440	257	167	49	0	0	1,271
1920	0	0	0	0	47	254	280	252	173	59	0	0	1,065
1921	0	0	11	12	149	339	452	269	167	6	0	0	1,405
1922	0	0	0	1	72	270	277	299	185	53	0	0	1,157
1923	0	0	0	2	43	251	377	247	98	0	0	0	1,018
1924	0	0	0	16	9	140	208	266	20	29	3	0	691
1925	0	0	0	28	54	248	331	284	219	4	0	0	1,168
1926	0	0	0	6	95M	109	335	305	128	22	0	0	1,000M
1927	0	0	0	7	33	117M	281	127	262	24	0	0	851M
1928	0	0	0	2	50	95	332	293	76	48	0	0	896
1929	0	0	0	32	66	150	304	214	106	2	0	0	874
1930	0	0	0	28	81	170	400	313	160	29	0	0	1,181
1931	0	0	0	2	37	320	430	227	241	35	0	0	1,292
1932	0	0	0	0	70	249	347/	268	66	9	0	0	1,009//
1933	0	0	0	1	55	432	368	229	251	6	5	0	1,347
1934	0	0	0	2	160	427	494	318	68	7	0	0	1,476
1935	0	0	0	3	12	144	456	331	119	12	0	0	1,077
1936	0	0	2	18	131	244	602	477	206	10	0	0	1,690
1937	0	0	0	4	73	195	343	388	138	15	0	0	1,156
1938	0	0	7	12	50	121	360	357	355	54	7	0	1,123
1939	0	0	2	9	135	225	341	222	218	52	0	0	1,204
1940	0	0	0	1	25	249	386	261	140	16	0	0	1,078
1941	0	0	0	28	137	238	331	344	172	16	0	0	1,266
1942	0	0	0	24	62	224	322	267	156	11	0	0	1,066
1943	0	0	2	0	44	259	333	315	62	3	0	0	1,018
1944	0	0	0	0	163	301	290	292	107	8	3	0	1,164
1945	0	0	3	6	30	132	271	301	135	1	0	0	879

* Honmouth data missing, Aledo data substituted

** Annual total calculated from Honmouth and Aledo data

Degree days based on Bean monthly temperature, as opposed to daily accumulated values.

// Annual total calculated from values based on mean monthly temperature, and daily accumulated values from Honmouth

/* Annual total calculated from daily accumulated values from Honmouth and Aledo, and also values based on mean monthly temperature from Honmouth.

H monthly- fewer than 4 days missing. Annually- one or more months are incomplete.

COOLING DEGREE DAYS										MONMOUTH,			IL
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
1946	0	0	0	17	20	234	334	145	99	24	0	0	873
1947	0	0	0	0	8	130	234	482	182	52	0	0	1,088
1948	0	0	0	31	23	163	300	278	148	0	0	0	943
1949	0	0	0	3	86	277	401	264	27	34	OM	OM	1,092H
1950	0	OM	0	0	32	168	161	124	61	40	OM	OM	586H
1951	OM	0	OM	19	90	137H	259H	212	46	34	0	0	797H
1952	0	0	0	25	58	333	337	226	99	9	2	0	1,089
1953	0	0	0	1	80	292	355	323	136	47	0	0	1,234
1954	OM	0	0	26	25	349	405	283	167	48	0	0	1,303H
1955	0	0	0	12	82	138	482	384	139	9	0	0	1,246
1956	0	0	0	14	127	302	284	297	107	31	0	0	1,162
1957	0	0	0	22	40	205	419	317	62	0	0	0	1,065
1958	0	0	0	10	60	99	224	310	101	20	0	0	824
1959	0	0	0	4	153	243	276	393	165	0	0	0	1,234
1960	OM	0	0	33	34	146	274	281	176	14	0	0	958H
1961	0	0	0	1	26	211	279	280	157	14	2	0	970
1962	0	0	0	26	187	214	248	284	82	51	0	0	1,092
1963	0	0	2	12	45	280	302	218	134	90	0	0	1,063
1964	0	0	0	10	138	248	360	254	142	0	0	0	1,152
1965	0	0	0	5	133	169	262	240	102	11	0	0	922
1966	0	0	0	0	40	186	407	200	72	3	0	0	908
1967	0	0	6	6	50	213	223	133	53	36	OM	0	720M
1968	0	0	0	0	23	260	281	296	61	40	0	0	961
1969	0	0	0	OM	72	127	359	259	81	32	0	0	930M
1970	0	0	0	32	113	183	323	254	111	13	0	0	1,029
1971	0	0	0	21	41	362	227	224	206	37	0	0	1,118
1972	0	0	0	0	95	161	295	285	168	1	0	0	1,005
1973	0	0	0	0	7	229	337	303	114	34	0	0	1,024
1974	0	0	1	19	54	113	390	193	46	4	0	0	820
1975	0	0	0	2	92	230	300	283	66	16	0	0	989
1976	0	0	0	26	17	190	351	197	53	15	0	0	849
1977	0	0	0	47	183	213	422	199	89	0	0	0	1,153
1978	0	0	0	0	89	209	309	245	205	2	0	0	1,059
1979	0	0	0	3	83	196	267	268	98	20	0	0	935
1980	0	0	0	21	78	181	428	363	130	5	0	0	1,206
1981	0	0	0	25	32	214	281	215	64	1	0	0	832
1982	0	0	0	0	110	97	316	213	93	33	0	0	862
1983	0	0	0	1	14	252	439	410	156	17	0	0	1,289
1984	0	0	0	14	23	278	261	294	103	2	0	0	975
1985	0	0	0	42	55	119	259	135	151	1	0	0	762
1986	0	0	17	33	67	258	398	130	159	5	0	0	1,067
1987	0	0	0	29	173	325	441	285	73	0	0	0	1,326
1988	0	0	0	2	94	323	447	455	138	4	0	0	1,463
1989	0	0	2	22	63	197	377	281	50	16	0	0	1,008
1990	0	0	10	31	5	232	278	248	166	15	0	0	985
1991	0	0	5	22	213	339	372	293	173	12	0	0	1,429
1992	0	0	0	12	96	179	239	142	85	12	0	0	765
1993	0	0	0	2	69	240	336	318	34	7	0	0	1,006
1994	0	0	0	24	67	287	283	222	128	20	0	0	1,031
1995	0	0	0	0	14	252	376	437	67	8	0	0	1,154

* Monmouth data missing, Aledo data substituted

** Annual total calculated from Monmouth and Aledo data

‡ Degree days based on mean monthly temperature, as opposed to daily accumulated values.

∧ Annual total calculated from values based on mean monthly temperature, and daily accumulated values from Monmouth

*‡ Annual total calculated from daily accumulated values from Monmouth and Aledo, and also values based on mean monthly temperature from Monmouth.

H monthly- fewer than 4 days missing. Annually- one or more months are incomplete.

HEATING DEGREE DAYS

HONMOUTH, IL

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	SEASONAL TOTAL
1894-1895							1,478#	1,330#	840#	357#	136#	0#	
1895-1896	H	0#	52#	512#	840#	1,091#	1,163#	1,079#	942#	211#	44#	21#	5,955M#
1896-1897	0#	0#	162#	471#	822#	961#	1,345#	1,002#	871#	462#	192#	5#	6,293#
1897-1898	0#	15#	0#	197#	798#	1,265#	1,178#	1,064#	744#	474#	169#	0#	5,904#
1898-1899	0#	0#	56#	477#	882#	1,249#	1,283#	1,358#	1,063#	402#	156#	0#	6,926
1899-1900	0#	0#	116#	208#	567#	1,215#	1,135#	1,277#	1,048#	384#	130#	0#	6,080#
1900-1901	0#	0#	71#	185#	831#	1,166#	1,190#	1,332	886	491	160	28	6,340##
1901-1902	0	0	119	304	867	1,317	1,293	1,333	784	477	97	75	6,666
1902-1903	7	18	165	335	576M	1,287	1,284	1,181#	679	410	121	67	6,130M##
1903-1904	0	14	103	378	873	1,351	1,515	1,337	873	585	133	13	7,175
1904-1905	5	8	70	382	727	1,200	1,502	1,373	641	405	119	6	6,438
1905-1906	10	0	30	403	753	1,061	1,128	1,020M	1,087	311	135	16	5,954M
1906-1907	0	3	28	381	815	1,093	1,196	1,012	615	585	277	29	6,034
1907-1908	0	1	100	387	757	1,000	1,150	1,084	681	355	159M	31	5,705M
1908-1909	0	6	66	365	667	1,070	1,216	923	846	465	169	4	5,797
1909-1910	10	1	98	438	484	1,423	1,275	1,149	426	341	235	49	5,929
1910-1911	0	6	82*	248	884	1,198	1,187	933	714	489	86	0	5,827**
1911-1912	4	6	37	436	951	884M	1,677	1,274	1,122	388	94	35	6,908M
1912-1913	1	26	140	257M	652M	962	1,164	1,135	919	380	148	46	5,830M
1913-1914	0	0	109	410	488M	866M	1,016	1,246	830	404	121	10	5,500M
1914-1915	0	0	60	252	615	1,365	1,380	848	958	227	211	27	5,943
1915-1916	8	49	71	295	627	1,178M#	1,173M	1,167	807	430	154	53	6,012M##
1916-1917	0	8	153	368	693	1,204M	1,262	1,238	789	544	299	52	6,610M
1917-1918	4	3	118#	633	658*	1,392	1,688	1,024	581	540	83	8	6,732#*
1918-1919	1	0	178	307*	669	884	1,130	940	702	370	223	2	5,406**
1919-1920	0	2	30	328	815	1,374	1,384	1,061	730	589	164	15	6,492
1920-1921	0	12	40	196	793	1,063	1,029	844	533	346	145	14	5,015
1921-1922	0	4	32	296	793	1,036	1,295	984	750	379	56	15	5,640
1922-1923	0	4	61	261	638	1,114	1,049	1,158	959	432	166	29	5,871
1923-1924	0	13	71	472	694	842	1,446	1,071	953	342	277	42	6,223
1924-1925	10	6	165	181	695	1,366	1,299	902	698	226	261	8	5,817
1925-1926	5	3	38	681	828	1,284	1,189	901	1,005	605	114M	37	6,690M
1926-1927	2	0	112	385	869	1,196	1,279	824	683	410	203	45M	6,008M
1927-1928	1	26	101	244	663	1,222	1,172	941	754	528#	98	49	5,799##
1928-1929	1	5	170	293	711	1,026	1,499	1,251	635	395	238	42	6,266
1929-1930	1	8	111	372	883	1,148	1,536	767	800	353	143	25	6,147
1930-1931	4	0	61	447	700	1,118	1,047#	791	914	417	260	32	5,791##
1931-1932	0	2	48	247	515	884	1,040	882	1,067	429	94	0	5,208
1932-1933	0	2	76	381	877	1,173	886	1,077	782	423	136	9	5,822
1933-1934	0	2	24	384	738	1,035	1,020	1,116	915	378	53	0	5,665
1934-1935	0	24	105	239	588	1,223	1,229	934	649	517	293	54	5,855
1935-1936	0	24	91	331	805	1,305	1,530	1,486	694	498	49	12	6,825
1936-1937	0	0	70	344	789	984	1,329	1,089	882	446	123	21	6,077
1937-1938	0	0	105	406	837	1,220	1,240	825	537	400	189	15	5,774
1938-1939	0	0	71	200	670	1,115	1,025	1,061	744	502	97	18	5,503
1939-1940	2	0	51	317	707	944	1,644	1,079	939	451	189	4	6,327
1940-1941	0	17	85	198	815	1,014	1,149	1,104	914	292	76	10	5,674
1941-1942	0	0	55	259	660	903	1,240	1,074	714	295	186	32	5,418
1942-1943	1	8	185	322	685	1,285	1,323	965	944	451	227	26	6,422
1943-1944	0	3	159	364	871	1,169	1,039	1,026	939	525	128	17	6,240
1944-1945	0	13	55	305	653	1,306	1,380	977	470	378	287	68	5,892

* Honmouth data missing, Aledo data substituted

** Seasonal total calculated from Monmouth and Aledo data.

Degree days based on mean monthly temperature, as opposed to daily accumulated values.

Seasonal total calculated from daily accumulated values and values based on mean monthly temperature.

*# Seasonal total calculated from daily accumulated values and values based on mean monthly temperature from Monmouth, and daily accumulated values from Aledo.

H Monthly- fever than 4 days missing. Seasonally- one or more months incomplete.

YEAR	HEATING DEGREE DAYS												SEASONAL TOTAL
	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	
1945-1946	3	1	112	365	754	1,344	1,151	923	414	311	204	44	5,626
1946-1947	0	19	79	198	667	957	1,129	1,200	985	436	241	45	5,956
1947-1948	9	0	112	157	943	1,083	1,428	1,107	858	309	176	8	6,190
1948-1949	0	2	44	381	673	1,085	1,253	1,116	857	449	106	3	5,969
1949-1950	0	1	168	270	651M	1,005M	1,111	1,070M	943	616	105	27	5,967M
1950-1951	2	18	83	211	919M	1,398M	1,286M	1,058	971M	512	105	29M	6,592M
1951-1952	4M	4	118	317	932	1,220	1,173	908	930	384	181	9	6,180M
1952-1953	0	6	78	474	654	1,021	1,146	863	774	517	177	2	5,712
1953-1954	0	0	57	231	643	1,017	1,205M	730	865	296	245	31	5,320M
1954-1955	0	1	40	354	676	1,042	1,241	1,057	823	190	84	36	5,544
1955-1956	0	0	54	318	890	1,196	1,261	1,053	805	472	96	22	6,167
1956-1957	0	9	77	137	736	1,033	1,419	860	819	408	142	15	5,655
1957-1958	0	1	89	430	758	936	1,262	1,276	870	399	120	32	6,173
1958-1959	4	10	77	283	608	1,262	1,441	1,052	791	408	96	4	6,036
1959-1960	1	0	79	409	956	912	1,179M	1,188	1,256	339	182	20	6,521M
1960-1961	1	1	51	329	672	1,168	1,281	899	742	559	226	20	5,949
1961-1962	0	2	107	286	717	1,215	1,450	1,082	954	441	52	15	6,321
1962-1963	5	0	115	298	724	1,190	1,584	1,208	691	309	148	13	6,285
1963-1964	1	17	58	92	630	1,495	1,072	1,061	893	365	64	14	5,762
1964-1965	3	13	95	394	595	1,196	1,265	1,042	1,138	412	65	7	6,225
1965-1966	0	16	91	324	656	857	1,430	1,027	733	484	249	20	5,887
1966-1967	0	5	111	364	647	1,104	1,124	1,149	748	377	273	14	5,916
1967-1968	20	31	130	388	823M	1,064	1,279	1,142	641	372	211	12	6,113M
1968-1969	4	7	70	351	786	1,152	1,383	982	952	330M	153	60	6,230M
1969-1970	0	0	80	414	776	1,199	1,478	1,012	900	391	99	26	6,375
1970-1971	3	0	66	314	749	1,053	1,403	1,021	866	352	197	0	6,024
1971-1972	12	2	86	160	676	970	1,341	1,146	826	454	140	39	5,852
1972-1973	8	10	65	419	822	1,232	1,122	956	563	428	178	0	5,803
1973-1974	0	1	55	197	670	1,192	1,260	938	677	289	175	42	5,496
1974-1975	0	5	151	311	724	1,064	1,163	1,077	979	514	86	10	6,084
1975-1976	12	1	144	270	569	1,013	1,321	778	637	331	184	4	5,264
1976-1977	0	4	84	527	949	1,328	1,690	991	623	251	48	10	6,505
1977-1978	0	5	37	394	731	1,258	1,567	1,320	969	380	217	10	6,888
1978-1979	0	5	47	390	707	1,204	1,666	1,346	805	493	148	7	6,818
1979-1980	7	12	66	327	750	975	1,220	1,226	891	434	106	17	6,031
1980-1981	0	0	73	451	706	1,112	1,200	966	715	259	214	1	5,697
1981-1982	6	8	88	397	657	1,192	1,574	1,130	871	547	35	34	6,539
1982-1983	0	9	107	337	729	911	1,175	881	757	564	191	11	5,672
1983-1984	3	0	106	320	639	1,555	1,328	838	1,019	443	205	0	6,456
1984-1985	3	6	156	291	729	1,010	1,543	1,182	682	285	89	33	6,009
1985-1986	0	14	114	291	817	1,444	1,155	1,119	671	259	83	3	5,970
1986-1987	0	23	25	281	850	1,033	1,188	782	619	298	53	3	5,155
1987-1988	0	20	64	461	601	1,011	1,298	1,179	744	335	53	13	5,779
1988-1989	0	4	26	497	693	1,073	933	1,274	793	405	195	16	5,909
1989-1990	0	2	124	301	734	1,490	952	883	664	443	214	16	5,823
1990-1991	7	2	93	390	575	1,162	1,322	862	629	253	64	0	5,359
1991-1992	0	0	104	317	875	987	1,034	806	644	383	134	16	5,300
1992-1993	0	24	117	338	784	1,095	1,187	1,093	865	433	65	42	6,043
1993-1994	0	1	149	379	792	1,086	1,466	1,089	701	348	132	3	6,146
1994-1995	0	5	60	249	606	943	1,292	993	680	415	149	6	5,398
1995-1996	2	0	145	313	898	1,146							

* Monmouth data missing, Aledo data substituted

** Seasonal total calculated from Monmouth and Aledo data.

Degree days based on mean monthly temperature, as opposed to daily accumulated values.

Seasonal total calculated from daily accumulated values and values based on mean monthly temperature.

##* Seasonal total calculated from daily accumulated values and values based on mean monthly temperature from Monmouth, and daily accumulated values from Aledo.

M Monthly- fewer than 4 days missing. Seasonally- one or more months incomplete.

TOTAL PRECIPITATION													MONMOUTH,	IL
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL	
1895	1.42	0.18	0.84	2.54	2.04	2.97	M	3.04	4.26	0.78	2.06	4.31	M	
1896	1.10	1.35	0.68	4.50	4.76	3.56	5.79	6.68	6.02	1.76	0.81	0.35	37.36	
1897	5.14	0.82	2.63	3.25	0.94	2.00	5.26	0.65	2.78	0.13	1.87	1.20	26.67	
1898	3.20	1.38	3.65	2.73	6.60	4.67	1.50	9.23	7.15	2.34	1.53	0.47	44.45	
1899	0.37	1.49	3.10	2.84	6.61	1.24	1.49	3.27	2.26	2.38	0.65	1.43	27.13	
1900	1.67	2.92	2.10	1.01	2.93	0.82	2.65	4.23	5.31	2.86	2.39	0.25	29.14	
1901	1.24	1.19	2.05	1.13	1.28	4.96	5.44	0.37	3.00	1.03	0.87	0.78	23.34	
1902	0.30	0.99	3.03	3.13	3.65	13.97	7.51	8.80	3.48	3.39	2.28	2.56	53.09	
1903	0.63	1.66	2.11	6.58	3.63	2.27	1.92	6.32	6.57	2.35	0.72	0.68	35.44	
1904	2.86	0.80	3.62	2.51	4.61	2.86	8.66	5.63	4.29	0.36	0.22	1.67	38.09	
1905	0.83	2.04	1.77	4.98	3.64	3.87	2.89	2.04	1.19	1.56	2.16	1.40	28.37	
1906	3.29	2.12	3.77	2.28	3.11	4.14	2.73	1.98	8.98	2.30	2.67	1.76	39.13	
1907	4.72	0.27	2.02	3.19	2.79	2.72	7.32	5.27	1.76	0.74	1.46	1.49	33.75	
1908	1.27	3.33	3.08	2.41	11.29	5.21	5.12	3.98	1.56	1.40	3.08	0.87	42.60	
1909	1.55	3.06	2.02	3.92	3.34	3.99	5.06	0.38	3.68	3.77	5.98	3.88	40.63	
1910	1.92	1.51	0.73	2.91	4.66	1.97	2.62	0.37	2.80	0.86	0.48	1.13	21.96	
1911	2.53	3.51	2.25	4.12	1.53	2.05	4.12	1.70	20.03	2.38	3.05	1.90	49.17	
1912	0.60	1.61	1.80	3.98	2.77	1.80	3.94	1.10	2.70	5.47	1.98	0.77M	28.52M	
1913	1.91	2.00	3.98	2.91	6.07	2.49	0.05	1.31	1.89	3.21	2.06	1.04	28.92	
1914	1.18	1.10	1.74	2.20	1.86	1.58	0.87	1.45	6.48	2.40	0.92	2.28	24.06	
1915	2.65	2.25	0.89	1.69	5.69	4.00	9.58	1.27	5.81	0.52	3.07	0.99	38.41	
1916	5.42	0.34	3.16	2.15	7.01	4.18	2.02	1.62	4.52	3.41	1.54	1.42	36.79	
1917	0.49	0.14	2.44	5.53	3.32	6.81	4.57	0.89	3.40	2.14	0.02	0.64	30.39	
1918	1.78	1.37	0.38	3.31	6.41	5.80	4.80	3.80	2.13	3.25	2.45	2.49	37.97	
1919	0.04	2.28	2.11	2.27	4.22	6.48	2.08	2.83	4.49	3.19	2.93	0.28	33.20	
1920	0.45	0.15	4.36	6.23	3.27	2.13	3.33	1.06	1.07	2.47	1.22	0.92	26.66	
1921	1.21	0.33	4.99	4.90	1.66	6.19	2.43	4.58	6.32	2.38	1.40	2.71	39.10	
1922	0.93	1.98	3.79	2.88	5.90	1.22	4.79	0.67	2.79	0.69	4.27	0.60	30.51	
1923	0.94	1.05	4.23	1.19	3.21	2.94	1.18	4.73	4.88	1.67	1.46	2.35	29.83	
1924	1.56	1.93	2.35	1.29	2.28	12.02	4.34	6.47	1.93	1.46	0.91	2.13	38.67	
1925	0.63	1.52	1.09	3.32	1.25	4.87	3.63	2.91	5.54	3.15	1.82	1.66	31.39	
1926	0.87	1.75	1.74	2.23	2.30	8.04	2.70	5.98	9.45	2.60	4.00	0.98	42.64	
1927	1.11	2.41	3.51	3.99	5.20	4.64	2.69	1.53	2.93	7.02	3.48	1.92	40.43	
1928	1.08	1.43	1.43	3.39	1.35	6.48	3.17	3.65	2.93	3.80	5.18	1.71	35.60	
1929	4.23	0.88	4.69	6.52	2.70	6.99	11.66	2.46	3.24	3.77	1.89	0.90	49.93	
1930	2.64	1.66	1.00	1.97	2.21	4.26	1.20	1.74	2.83	2.40	2.55	0.54	25.00	
1931	0.37	0.63	2.57	2.72	5.26	3.31	2.23	4.67	6.29	2.78	3.84	2.63	37.30	
1932	1.33	1.73	2.48	1.00	3.17	7.09	6.87	7.43	3.44	3.67	1.84	3.31	43.36	
1933	2.88	0.94	2.80	2.44	8.38	3.34	1.56	2.42	3.38	1.84	0.33	1.54	31.85	
1934	0.82	0.59	1.57	2.46	1.22	4.01	4.04	1.67	8.70	1.24	7.36	1.04	34.72	
1935	1.97	2.07	3.52	2.12	6.43	8.21	2.81	4.59	3.35	1.54	5.50	1.31	43.42	
1936	1.53	2.04	0.89	1.87	1.90	1.03	1.24	3.89	8.93	2.98	0.61	2.84	29.75	
1937	3.76	1.22	1.49	4.03	3.32	3.24	3.27	2.85	1.30	2.13	1.36	1.36	29.33	
1938	4.04	2.24	5.08	3.73	5.89	5.82	6.60	3.33	2.83	1.21	2.85	1.10	44.72	
1939	1.56	1.75	4.24	3.63	2.97	6.03	3.07	5.01	0.39	2.15	0.94	0.37	32.11	
1940	2.40	0.92	2.37	3.79	1.81	2.59	1.97	3.44	0.14	2.21	1.71	1.34	24.69	
1941	3.08	0.72	0.75	1.90	6.76	6.57	2.46	2.01	6.35	14.75	1.52	1.54	48.41	
1942	1.05	2.59	2.14	1.74	5.26	7.13	4.84	1.27	2.44	0.96	3.57	3.29	36.28	
1943	2.14	1.04	1.83	4.22	5.10	6.99	4.08	5.19	0.93	2.72	2.07	0.39	36.70	
1944	0.41	3.17	5.07	5.93	5.40	3.90	1.60	2.51	3.04	2.35	2.66	1.22	37.26	
1945	0.88	1.01	5.51	4.45	7.02	4.66	1.92	1.27	6.23	0.67	1.77	1.68	37.07	

H monthly-fewer than 4 days missing. Annually- one or more months incomplete.

TOTAL PRECIPITATION												MONMOUTH,	IL
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
1946	2.32	0.49	3.28	1.28	5.36	9.50	1.00	4.68	3.34	2.37	2.92	2.08	38.62
1947	2.08	0.34	2.24	6.83	4.17	10.16	1.91	1.27	5.58	2.02	2.71	2.29	41.60
1948	1.98	1.55	4.43	1.66	1.58	3.96	7.12	1.08	4.29	1.31	3.08	2.33	34.37
1949	4.36	2.01	2.82	1.60	1.42	5.76	2.83	2.41	2.10	1.71	0.54	2.59	30.15
1950	3.27M	2.41	0.81	8.24	1.76	9.14	6.59	3.12	1.88	0.75	0.78	0.62	39.37M
1951	0.82	2.33M	3.94	3.31	4.21	4.01	5.53	3.32	2.60	4.09	2.51	1.41	38.08M
1952	1.45	1.11	4.74	2.35	4.89	5.04	2.26	7.47	1.41	0.70	2.62	1.54	35.58
1953	1.58	3.08	3.13	2.69	2.22	4.57	1.89	0.68	1.72	2.26	0.79	2.60	27.21
1954	1.42	1.98	4.27	5.78	3.48	5.04	1.78	6.23	2.01	4.30	1.86	2.16	40.31
1955	3.63	2.38	1.80	5.17	5.08	4.20	1.53	4.17	3.64	2.71	0.72	0.40	35.43
1956	0.30	1.93	0.71	1.93	2.98	2.62	10.41	4.42	0.41	0.55	1.96	1.60	29.82
1957	1.35	1.51	1.80	5.46	3.35	4.12	1.10	1.54	2.30	3.75	2.09	4.20	32.57
1958	1.25	0.39	0.26	2.55	3.50	5.22	5.70	2.70	2.32	1.86	1.64	0.87	28.26
1959	1.51	2.63	2.58	3.74	3.70	2.55	5.57	2.02	5.12	6.15	1.25	2.35	39.17
1960	2.79	2.40	2.77	3.97	5.89	6.15	4.51	2.54	2.09	4.34	0.75	0.39	38.59
1961	0.43	1.43	3.94	1.68	1.65	2.12	7.92	1.65	10.53	3.94	3.97	1.59	40.85
1962	2.37	1.99	2.00	0.98	5.05	4.23	4.10	2.12	1.61	6.60	0.96	0.50	32.51
1963	1.27	0.49	3.84	2.94	3.04	0.92	7.33	5.55	2.51	1.02	1.15	1.13	31.19
1964	1.26	1.12	4.54	5.38	0.86	3.00	2.86	1.35	5.09	0.05	2.23	1.12	28.86
1965	5.74	1.27	3.61	6.97	4.57	2.77	5.60	9.97	6.45	0.52	1.30	3.67	52.44
1966	1.31	1.03	1.91	3.59	3.97	3.19	1.47	1.62	2.80	2.82	1.11	2.52	27.34
1967	1.86	0.98	1.55	7.08	3.05	4.22	5.45	2.18	2.56	5.56	2.31	2.03	38.83
1968	1.03	0.91	1.52	2.52	2.14	3.90	1.67	2.90	4.56	0.58	3.40	2.01	27.14
1969	3.59	1.03	1.40	2.81	2.91	5.91	6.55	3.56	2.13	7.09	0.48	0.95	38.41
1970	0.71	0.31	1.80	5.04	7.11	2.84	4.39	5.48	12.56	2.45	1.34	1.88	45.91
1971	1.47	2.22	1.88	1.11	3.17	3.18	3.62	2.43	2.90	3.65	1.90	4.37	31.90
1972	1.12	1.13	2.22	3.52	2.60	5.08	4.02	3.23	3.03	2.18	2.50	1.91	32.54
1973	1.93	1.97	5.07	6.56	5.35	4.38	5.12	1.49	5.06	5.81	1.57	3.65	47.96
1974	3.69	1.30	3.42	3.44	5.87	8.79	3.11	2.00	1.79	2.24	2.94	1.63	40.22
1975	2.06	2.54	3.23	4.25	3.71	2.17	3.75	5.95	2.10	0.76	2.51	2.82	35.85
1976	0.85	1.51	4.61	5.67	4.59	2.21	7.23	3.18	2.22	2.56	0.44	0.44	35.51
1977	1.29	0.97	4.80	1.29	3.01	3.52	2.92	9.91	5.02	4.18	3.44	1.88	42.23
1978	0.75	0.73	1.48	3.35	5.56	5.37	4.10	2.24	2.84	2.44	2.96	2.33	34.15
1979	2.33	0.87	4.42	4.63	2.88	2.56	3.79	2.27	0.03	2.35	2.12	1.83	30.08
1980	0.69	1.21	2.56	2.54	3.42	7.92	2.64	7.81	6.41	1.51	0.68	3.82	41.21
1981	0.10	1.87	0.64	7.32	4.66	6.43	3.69	4.67	2.80	2.89	2.16	1.21	38.44
1982	1.90	0.71	4.60	4.50	4.77	3.68	12.57	4.81	1.75	2.18	3.43	4.32	49.22
1983	0.44	1.37	2.92	5.22	3.35	3.59	0.79	2.20	6.53	3.33	4.04	2.67	36.45
1984	0.80	1.21	3.92	6.07	5.19	3.46	5.62	2.04	3.84	6.04	2.72	3.91	44.82
1985	1.62	2.85	4.76	1.57	3.60	3.16	2.47	3.32	2.81	5.44	6.80	2.54	40.94
1986	0.21	3.10	1.15	1.38	4.24	4.43	7.29	3.17	8.58	5.15	0.95	1.85	41.50
1987	1.10	0.28	2.98	1.33	2.06	1.77	0.94	4.51	2.83	1.10	3.00	3.93	25.83
1988	2.14	0.91	1.91	1.52	1.90	0.82	0.97	3.23	2.75	2.32	3.35	1.43	23.25
1989	0.95	1.43	0.84	3.47	2.87	4.34	2.46	4.91	4.65	1.49	0.81	0.95	29.17
1990	1.04	2.48	5.38	2.60	8.10	8.79	6.77	2.96	0.97	1.91	4.33	3.11	48.44
1991	1.43	1.14	3.88	3.14	5.53	2.08	3.76	3.29	2.09	4.86	3.66	2.17	37.03
1992	1.13	1.76	1.74	2.92	0.86	1.39	9.92	0.94	5.43	1.26	6.07	4.19	37.61
1993	1.78	1.94	4.12	4.54	4.64	6.37	10.81	9.68	5.00	1.41	2.45	1.06	53.80
1994	1.87	4.10	0.90	3.71	1.59	2.85	2.72	3.31	1.05	2.83	5.16	2.18	32.27
1995	3.53	1.28	1.27	5.70	8.81	4.18	4.38	2.93	1.81	4.07	2.57	0.40	40.93

H monthly-fewer than 4 days missing. Annually- one or more months incomplete.

SNOWFALL

MONMOUTH, IL

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	SEASONAL
													TOTAL
1894-1895								1.7	4.2	1.0	0.0	0.0	
1895-1896	M	0.0	0.0	0.0	3.9	2.0	12.0	1.8	13.0	4.9	0.0	0.0	25.6M
1896-1897	0.0	0.0	0.0	0.0	1.3	0.4	8.2	4.7	12.3	0.0	0.0	0.0	26.9
1897-1898	0.0	0.0	0.0	0.0	0.0	6.5	23.2	6.8	3.8	0.0	0.0	0.0	40.3
1898-1899	0.0	0.0	0.0	2.6	5.4	1.0	3.0	1.8	11.0	1.6	0.0	0.0	26.4
1899-1900	0.0	0.0	0.0	0.0	3.0	2.0	1.2	14.4	3.4	1.5	0.0	0.0	25.5
1900-1901	0.0	0.0	0.0	0.0	2.0	0.5	3.8	12.0	1.8	0.0	0.0	0.0	20.1
1901-1902	0.0	0.0	0.0	0.0	0.0	1.6	4.7	1.7	0.5	0.0	0.0	0.0	8.5
1902-1903	0.0	0.0	0.0	0.0	0.5	9.3	4.3	8.3	0.5	2.5	0.0	0.0	25.4
1903-1904	0.0	0.0	0.0	0.0	0.2	3.5	10.7	3.7	9.6	8.0	0.0	0.0	35.7
1904-1905	0.0	0.0	0.0	0.0	0.0	4.6	8.3	15.4	0.2	2.0	0.0	0.0	30.5
1905-1906	0.0	0.0	0.0	0.0	0.0	2.5	9.7	0.0	17.2	0.0	0.0	0.0	29.4
1906-1907	0.0	0.0	0.0	0.0	3.5	0.7	12.7	4.5	6.0	0.2	0.0	0.0	27.6
1907-1908	0.0	0.0	0.0	0.0	0.0	4.4	12.7	10.1	0.0	0.0	0.0	0.0	27.2
1908-1909	0.0	0.0	0.0	0.0	1.5	3.7	6.7	8.3	3.6	0.0	0.0	0.0	23.8
1909-1910	0.0	0.0	0.0	0.0	0.0	12.5	5.5	6.0	0.0	4.5	0.0	0.0	28.5
1910-1911	0.0	0.0	0.0	0.0	0.5	1.7	9.7	12.0	3.3	3.0	0.0	0.0	30.2
1911-1912	0.0	0.0	0.0	0.0	3.0	9.5	7.0	12.0	18.0	9.0	0.0	0.0	58.5
1912-1913	0.0	0.0	0.0	0.0	0.0	0.0H	9.5	10.5	7.0	0.0	0.0	0.0	27.0M
1913-1914	0.0	0.0	0.0	1.5	0.0	6.0	5.0	13.5	2.8	0.0	0.0	0.0	28.8
1914-1915	0.0	0.0	0.0	0.0	0.0	16.5	6.5	1.0	7.5	0.0	0.0	0.0	31.5
1915-1916	0.0	0.0	0.0	0.0	4.5	3.0*	4.2	4.2	3.7	0.0	0.0	0.0	19.6**
1916-1917	0.0	0.0	0.0	0.0	0.1	3.1	3.7	0.3	0.1	8.5	0.0	0.0	15.8
1917-1918	0.0	0.0	0.0	0.8	0.6*	11.7	14.5	6.7	0.0	0.0	0.0	0.0	34.3**
1918-1919	0.0	0.0	0.0	0.0	0.0	14.7	0.8	10.2M	0.5	0.0	0.0	0.0	26.2M
1919-1920	0.0	0.0	0.0	0.0	2.0	2.2	5.5	0.7	1.8	7.2	0.0	0.0	19.4
1920-1921	0.0	0.0	0.0	0.0	0.4	3.6	6.0	1.0	0.0	0.0	0.0	0.0	11.0
1921-1922	0.0	0.0	0.0	0.0	4.8	2.6	2.4	2.3	5.1	0.0	0.0	0.0	17.2
1922-1923	0.0	0.0	0.0	0.0	1.1	0.7	2.3	1.7	10.0	0.2	0.0	0.0	16.0
1923-1924	0.0	0.0	0.0	0.0	0.0	2.0	7.8	10.3	5.4	0.0	0.0	0.0	25.5
1924-1925	0.0	0.0	0.0	0.0	0.5	5.5	8.5	1.6	0.3	0.0	0.0	0.0	16.4
1925-1926	0.0	0.0	0.0	3.0	8.8	4.3	3.7	2.1	14.0	6.0	0.0	0.0	41.9
1926-1927	0.0	0.0	0.0	0.0	11.1	3.0	10.8	1.5	0.0	1.0	0.0	0.0	27.4
1927-1928	0.0	0.0	0.0	0.0	0.0	5.5	1.6	2.2	4.2	3.0	0.0	0.0	16.5
1928-1929	0.0	0.0	0.0	0.0	0.3	2.5	13.2	6.9	0.0	0.0	0.0	0.0	22.9
1929-1930	0.0	0.0	0.0	3.2	1.3	8.7	21.1	0.4	0.6	0.0	0.0	0.0	35.3
1930-1931	0.0	0.0	0.0	0.2	1.8	2.6	0.9	0.0	15.0	0.0	0.0	0.0	20.5
1931-1932	0.0	0.0	0.0	0.0	0.5	4.8	1.7	7.3	13.3	0.0	0.0	0.0	27.6
1932-1933	0.0	0.0	0.0	0.0	4.9	5.5	1.3	10.4	4.8	0.0	0.0	0.0	26.9
1933-1934	0.0	0.0	0.0	0.0	0.4	1.0	0.5	7.2	7.5	0.0	0.0	0.0	16.6
1934-1935	0.0	0.0	0.0	0.0	0.0	5.8	3.0	2.1	4.2	2.0	0.0	0.0	17.1
1935-1936	0.0	0.0	0.0	0.0	0.0	14.9	18.6	8.9	0.5	5.5	0.0	0.0	48.4
1936-1937	0.0	0.0	0.0	0.0	0.3	1.0	3.3	6.2	3.0	0.0	0.0	0.0	13.8
1937-1938	0.0	0.0	0.0	0.0	5.1	1.9	7.4	9.1	0.0	4.3	0.0	0.0	27.8
1938-1939	0.0	0.0	0.0	0.0	0.3	7.0	6.4	5.8	0.2	0.0	0.0	0.0	19.7
1939-1940	0.0	0.0	0.0	0.0	0.0	2.8	19.6	7.9	1.8	0.0	0.0	0.0	32.1
1940-1941	0.0	0.0	0.0	0.0	3.0	2.6	10.7	4.1	7.2	0.0	0.0	0.0	27.6
1941-1942	0.0	0.0	0.0	0.0	1.1	4.0	6.6	6.2	0.0	0.3	0.0	0.0	18.2
1942-1943	0.0	0.0	1.1	0.0	2.9	11.8	13.7	3.2	7.1	0.0	0.0	0.0	39.8
1943-1944	0.0	0.0	0.0	0.0	2.1	1.8	0.0	18.0	3.6	0.0	0.3	0.0	25.8
1944-1945	0.0	0.0	0.0	0.0	0.5	12.8	10.2	4.1	6.0	0.0	0.0	0.0	33.6

* Hommouth data missing, Aledo data substituted

** Seasonal total calculated from Hommouth and Aledo data.

H monthly- fever than 4 days missing. Seasonally- one or more months incomplete.

Trace amounts not recorded.

YEAR	SNOWFALL						MONMOUTH,					IL	SEASONAL TOTAL
	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	
1945-1946	0.0	0.0	0.0	0.0	2.3	10.2	2.1	6.0	5.1	3.0	0.0	0.0	28.7
1946-1947	0.0	0.0	0.0	0.0	0.0	4.9	7.7	4.4	6.1	0.0	0.0	0.0	23.1
1947-1948	0.0	0.0	0.0	0.0	4.3	1.6	3.5	3.2	5.3	0.0	0.0	0.0	17.9
1948-1949	0.0	0.0	0.0	0.0	0.0	5.8	6.2	5.5	0.2	3.0	0.0	0.0	20.7
1949-1950	0.0	0.0	0.0	0.0	2.1	0.2	0.0M	12.2M	2.5	0.0	0.0	0.0	17.0M
1950-1951	0.0	0.0	0.0	0.0	1.8	6.4	5.1	1.5M	7.4	0.0	0.0	0.0	22.2M
1951-1952	0.0	0.0	0.0	0.0	7.3	15.2	4.0	8.1	13.5	0.0	0.0	0.0	48.1
1952-1953	0.0	0.0	0.0	0.0	0.0	3.0	12.5	3.0	7.0	0.0	0.0	0.0	25.5
1953-1954	0.0	0.0	0.0	0.0	1.0	9.0	2.7	4.0	3.0	0.0	0.0	0.0	19.7
1954-1955	0.0	0.0	0.0	0.0	1.5	14.4	17.0	4.7	11.0	0.0	0.0	0.0	48.6
1955-1956	0.0	0.0	0.0	0.0	3.5	4.0	3.0	11.8	3.3	0.0	0.0	0.0	25.6
1956-1957	0.0	0.0	0.0	0.0	1.0	7.9	13.5	0.0	6.5	2.0	0.0	0.0	30.9
1957-1958	0.0	0.0	0.0	0.0	0.0	6.1	12.5	2.5	0.0	0.0	0.0	0.0	21.1
1958-1959	0.0	0.0	0.0	0.0	1.0	5.6	12.6	5.0	9.0	2.5	0.0	0.0	35.7
1959-1960	0.0	0.0	0.0	0.0	6.0	3.2	9.3	15.0	26.0	0.0	0.0	0.0	59.5
1960-1961	0.0	0.0	0.0	0.0	0.0	3.3	4.0	7.5	2.0	3.0	0.0	0.0	19.8
1961-1962	0.0	0.0	0.0	0.0	0.0	10.1	11.0	14.8	6.2	0.0	0.0	0.0	42.1
1962-1963	0.0	0.0	0.0	0.0	0.0	3.7	13.8	4.9	0.0	0.0	0.0	0.0	22.4
1963-1964	0.0	0.0	0.0	0.0	0.0	9.3	5.0	9.0	12.0	0.0	0.0	0.0	35.3
1964-1965	0.0	0.0	0.0	0.0	0.0	9.2	6.7	7.0	19.0	0.0	0.0	0.0	41.9
1965-1966	0.0	0.0	0.0	0.0	0.0	4.7	1.6	0.0	3.0	0.0	0.0	0.0	9.3
1966-1967	0.0	0.0	0.0	0.0	0.0	4.9	12.0	4.8	1.2	2.0	0.0	0.0	24.9
1967-1968	0.0	0.0	0.0	5.5	0.5	3.6	7.2	2.0	2.5	0.0	0.0	0.0	21.3
1968-1969	0.0	0.0	0.0	0.0	3.5	4.9	6.0	5.5	3.0	0.0	0.0	0.0	22.9
1969-1970	0.0	0.0	0.0	0.0	0.5	11.8	7.4	3.1	5.8	6.0	0.0	0.0	34.6
1970-1971	0.0	0.0	0.0	0.0	0.0	2.0	12.8	0.0	5.1	0.0	0.0	0.0	19.9
1971-1972	0.0	0.0	0.0	0.0	5.8	0.0	11.2	8.5	11.0	0.5	0.0	0.0	37.0
1972-1973	0.0	0.0	0.0	0.0	5.0	5.0	0.0	5.8	0.0	0.0	0.0	0.0	15.8
1973-1974	0.0	0.0	0.0	0.0	0.0	15.7	9.1	4.7	1.6	0.0	0.0	0.0	31.1
1974-1975	0.0	0.0	0.0	0.0	11.6	3.1	9.0	14.5	2.0	4.5	0.0	0.0	44.7
1975-1976	0.0	0.0	0.0	0.0	5.6	4.6	8.2	2.2	0.0	0.0	0.0	0.0	20.6
1976-1977	0.0	0.0	0.0	0.0	4.3	4.4	13.1	3.5	9.1	0.6	0.0	0.0	35.0
1977-1978	0.0	0.0	0.0	0.0	4.0	18.4	7.8	8.2	9.0	0.0	0.0	0.0	47.4
1978-1979	0.0	0.0	0.0	0.0	4.0	16.1	20.6	3.7	6.2	0.0	0.0	0.0	50.6
1979-1980	0.0	0.0	0.0	0.0	3.0	0.0M	2.5	11.0	6.5	7.0	0.0	0.0	30.0M
1980-1981	0.0	0.0	0.0	0.0	1.0	3.0	1.0	7.6	0.0	0.0	0.0	0.0	12.6
1981-1982	0.0	0.0	0.0	0.0	2.0	8.0	8.0M	4.0	7.0	9.6	0.0	0.0	38.6M
1982-1983	0.0	0.0	0.0	0.0	1.0	0.0	3.0	5.0M	5.0	0.0	0.0	0.0	14.0M
1983-1984	0.0	0.0	0.0	1.0	3.0	18.5	7.4	4.5	10.0	0.0	0.0	0.0	44.4
1984-1985	0.0	0.0	0.0	0.0	0.0	2.0	16.0	5.3	0.0	0.0	0.0	0.0	23.3
1985-1986	0.0	0.0	0.0	0.0	2.0	8.1	2.0	12.5	0.0	0.5	0.0	0.0	25.1
1986-1987	0.0	0.0	0.0	0.0	2.5	0.0	11.6	0.0	0.0	0.0	0.0	0.0	14.1
1987-1988	0.0	0.0	0.0	0.0	1.0	13.4	1.0	9.8M	1.8	0.0	0.0	0.0	27.0M
1988-1989	0.0	0.0	0.0	0.0	0.0	2.0	0.0	15.0	0.0	1.0	0.0	0.0	18.0
1989-1990	0.0	0.0	0.0	0.0	0.6	9.5	3.0	7.0	0.0	0.0	0.0	0.0	20.1
1990-1991	0.0	0.0	0.0	0.0	0.0	4.0	9.7	6.2	5.0	0.0	0.0	0.0	24.9
1991-1992	0.0	0.0	0.0	0.0	3.9	6.0	6.5	1.1	3.3	0.0	0.0	0.0	20.8
1992-1993	0.0	0.0	0.0	0.0	0.5	8.7	6.8M	13.5	5.0	2.0	0.0	0.0	36.5M
1993-1994	0.0	0.0	0.0	0.0	4.0	2.0	15.0	11.2M	0.0	0.0	0.0	0.0	32.2M
1994-1995	0.0	0.0	0.0	0.0	0.0	0.5	13.0	4.2	0.0	0.0	0.0	0.0	17.7
1995-1996	0.0	0.0	0.0	0.0	1.5	4.6							

* Monmouth data missing, Aledo data substituted

** Seasonal total calculated from Monmouth and Aledo data.

M monthly- fewer than 4 days missing. Seasonally- one or more months incomplete.

Trace amounts not recorded

MONMOUTH STATION HISTORY

Systematic daily weather observations began in Monmouth in 1896. 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).

Earliest routine weather records generally begin in the mid- to late-1800s in the Midwest, first under the auspices of the Surgeon General of the Army, when hospital surgeons were asked to keep a weather diary (program began in 1819). The Smithsonian Institution acquired the meteorological observing program in 1848, under the direction of James P. Espy and Joseph Henry. For the first time in the U.S., observers were provided with instruments. By 1850, 301 sites were taking routine observations in the country. An additional 200 were added in the next 10 yrs. In 1870, military posts were directed to regularly observe the weather under the direction of the U.S. Weather Bureau (forerunner of the National Weather Service), an agency of the Signal Service. In 1891 the U.S. Weather Bureau was transferred to the Dept. Of Agriculture, and transferred again in 1940 to the Dept. Of Commerce, its present home.

Atlantic storm warnings were first made in 1885, followed by cold wave warning with three day lead the following year. Twenty-four hour hurricane observing and warning service began in 1935. Five-day forecasts were first issued in 1940, 30- and 990-day outlooks in the 1950s, and outlooks for the coming year in 1995.

Temperature and precipitation records are not likely homogeneous over long periods of time, e.g., raingages with small catchments were preferred during the early/mid-1800s. Today, the standard raingage has a catch diameter of eight inches.

Daily mean temperatures are currently based on the average of the daily max and min temperatures. Since those extremes were not available until the late 1800s, daily means were composed of the average of the 0700, 1400 and 2100 hrs observations, or the average of the 0700, 1400 and twice the 2100 temperatures. Climate summaries, similar to this one are available for the following locations:

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

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

Illinois State Water Survey	National Climatic Data Center
ATTN: STATE CLIMATOLOGIST	Federal Building
2204 Griffith Dr.	37 Battery Park Ave.
Champaign IL 61820	Asheville NC 28801-2733
217-333-2210	704-271-4800

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