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SWS Miscellaneous Publication 98-8

STATE OF ILLINOIS

DEPARTMENT OF ENERGY AND NATURAL RESOURCES

*Local Climatological Data Summary*  
*Effingham, Illinois*  
*1901 – 1990*

by Audrey A. Bryan and Wayne Armstrong



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**SWS**

Illinois State Water Survey

1992

LOCAL CLIMATOLOGICAL DATA FOR  
EFFINGHAM ILLINOIS 1901-1990

Climatological Summary:

Effingham (Effingham 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. During these months, there are occasional, brief interruptions of drier, cooler air from the Pacific Ocean, but typically only last for a few days. From November through March, the Effingham area is dominated by Pacific Ocean air. Four to six times each winter, cold, dry air from the Canadian Arctic breaks south, bringing temperatures into the teens and even units. The highest temperature on record is 111°F recorded both on 15 July 1936 and 14 July 1954, whereas the lowest is -29°F occurring on 24 January 1915.

Summer day temperatures in central Illinois are usually in the 80s or 90s, with nighttime lows about 18°F lower. Humidities are relatively high, and comfort is often impaired. Average annual precipitation is 39.95 inches. Each summer month generally supports some 4 inches of rainfall, mostly in showers and thunderstorms, occasionally accompanied by hail or a tornado. Summers begin somewhat earlier and end later in southern Illinois than in the north. Summer winds are usually out of the southwest.

The greatest precipitation amount ever recorded in Effingham in 24 hours was 5.66 inches on 13 August 1973. The greatest monthly total ever was 13.64 inches in September 1911.

Winters in southern Illinois are obviously more mild than those in the north. First, even Arctic air is some 10°F warmer by the time it reaches central IL counties. Average January highs are in the high 30s with lows near 20. Ground frost is common from January until March. Average annual snowfall is about 22 inches.

Although Effingham has experienced heavy snowstorms, snowfalls of 6 inches or more are not expected more than about once every other year. The month with greatest snowfall in Effingham was 25.5 inches in December 1973. It is unusual for snowcover to continue in central Illinois for more than a few weeks at a time. It is interesting to note that there were only 6 times since 1901 when snowcover existed for 35 days or more during a winter (1970, 1977, 1978, 1979, 1985 and 1990-91, all during the last 20 of the 90 years of record.

Climateological Summary  
 Effingham, Illinois  
 Records For Period 1901-1990

Latitude N39 08  
 Longitude W88 32

ILLINOIS  
 Elevation 595

Mon	Means			Extremes				Number of days				Degree Days			Precipitation			Snow										
	Ave Max	Ave Min	Ave Mean	High Temp	Low Temp	Date	Date	>=90	<=32	<=12	<=0	Heat	Cool	Grow	Mean Monthly	Greatest Daily+	Date	>=0.1	>=0.5	>=1.0	Mean	Greatest Mon	Greatest Snow	Depth	Date			
Jan	35.0	17.2	26.3	72	25/50	-29	24/15	0	14	28	4	1,213	0	3	1.95	9.99	1950	3.82	3/50	5	1	0	7.1	23.7	1979	15	31/79	
Feb	40.0	20.9	30.7	78	29/72	-19	11/82	0	8	23	2	980	0	4	2.33	5.95	1990	2.66	1/88	5	1	1	5.5	18.2	1914	16	9/79	
Mar	52.0	32.2	42.4	89	24/29	-11	5/78	0	2	16	0	715	2	51	3.76	10.53	1938	3.30	14/22	7	3	1	3.2	17.2	1978	14	9/76	
Apr	65.0	42.9	54.2	91	23/25	21	1/23	0	0	4	0	356	19	184	3.59	8.91	1922	2.75	8/29	8	2	1	.2	3.0	1973	3	10/73	
May	75.1	52.0	63.8	98	31/34	28	1/03	2	0	0	0	131	78	417	4.10	12.89	1943	4.42	1/46	7	3	1						
Jun	84.2	61.2	73.0	106	26/54	35	16/17	8	0	0	0	13	237	674	4.19	12.47	1957	5.02	16/70	7	3	1						
Jul	87.8	65.3	76.8	111	15/36	45	26/11	13	0	0	0	2	353	817	4.14	9.59	1979	3.84	20/81	6	3	1						
Aug	85.6	62.9	74.5	110	4/18	39	31/15	10	0	0	0	5	284	744	2.78	10.25	1915	5.66	13/73	5	2	1						
Sep	79.4	55.7	67.8	105	4/54	24	26/28	3	0	0	0	69	140	521	3.10	13.64	1911	5.22	29/55	5	2	1						
Oct	67.3	41.7	55.7	95	3/22	15	29/52	0	0	5	0	322	21	218	2.79	9.60	1919	3.99	11/49	5	2	1	.0	1.0	1913			
Nov	53.4	34.3	44.1	83	1/33	-6	25/50	0	1	14	0	642	1	54	3.57	10.36	1985	3.17	1/46	6	2	1	1.2	13.5	1980	10	27/80	
Dec	39.9	23.1	31.7	74	15/48	-17	28/24	0	8	25	2	1,046	0	8	3.61	9.89	1967	3.27	30/90	6	3	1	4.7	25.5	1973	16	20/73	
SUM								36	33	115	8	5,494	1,135	3,695	39.91					72	27	11	21.9					
MEAN	63.7	42.6	53.4																									

Means based on 1961-1990 data  
 Extremes based on 1901-1990 data

\* Calendar Day  
 † Records also occurred on the following dates:  
 Feb: 2/10-11/79, 2/4/82, and 2/9/82  
 Mar: 3/10/78  
 Dec: 12/21-23/73

\* Records also occurred on the following dates:  
 April: High Temp 4/24/25 and 4/11/30  
 Low Temp 4/3/36, 4/1/54, 4/8/72, 4/6-7/82, and 4/19/83  
 May: 5/7/44  
 Sep: 9/5/54  
 Oct: 10/4/22  
 Jul: High Temp 7/14/54  
 Low Temp 7/27/11, 7/21/44, and 7/23/47

Probabilities: Precipitation (in) Missing Data: 1.7%  
 Station: (112687) Effingham Years: 1961 To 1990

	1%	5%	10%	25%	50%	75%	90%	95%	99%
Ja	0.11	0.29	0.45	0.87	1.59	2.65	3.92	4.84	6.89
Fe	0.32	0.61	0.83	1.32	2.07	3.06	4.17	4.95	6.64
Ma	0.67	1.17	1.52	2.29	3.41	4.85	6.45	7.55	9.91
Ap	0.73	1.22	1.56	2.27	3.29	4.59	6.01	6.98	9.04
Ma	0.80	1.35	1.74	2.56	3.74	5.26	6.92	8.06	10.50
Jn	0.46	0.95	1.34	2.24	3.65	5.56	7.76	9.31	12.70
Ju	0.66	1.20	1.59	2.44	3.72	5.38	7.23	8.51	11.27
Au	0.36	0.70	0.96	1.55	2.45	3.66	5.03	5.99	8.07
Se	0.17	0.46	0.72	1.38	2.54	4.22	6.24	7.69	10.95
Oc	0.43	0.79	1.05	1.63	2.50	3.64	4.92	5.80	7.72
No	0.38	0.80	1.13	1.89	3.10	4.74	6.64	7.97	10.90
De	0.26	0.64	0.95	1.73	3.03	4.86	7.04	8.59	12.02
AN	22.89	27.84	30.81	34.68	39.35	44.43	49.35	52.45	58.62
Wi	1.91	2.98	3.71	5.18	7.25	9.80	12.56	14.42	18.36
Sp	5.56	6.95	7.79	9.33	11.27	13.47	15.67	17.10	19.99
Su	4.03	5.52	6.46	8.27	10.65	13.45	16.35	18.27	22.23
Fa	4.17	5.36	6.09	7.45	9.19	11.19	13.21	14.52	17.21

Growing Season Summary  
 Station: (112687) Effingham  
 Years: 1961 To 1990 Missing Data: 2.0%

Base Temp	Date of Last Spring Occurrence					Date of First Fall Occurrence				
	Median	Early	90%	10% Late		Median	Early	10%	90% Late	
32	4/15	3/30	4/05	5/10	5/12	10/17	10/01	10/04	11/04	11/10
28	4/02	3/08	3/22	4/13	4/20	11/02	10/06	10/10	11/13	11/19
24	3/25	2/28	3/12	4/09	4/20	11/11	10/14	10/25	11/30	12/04
20	3/16	2/09	2/26	3/28	3/31	11/17	10/23	11/03	12/07	12/09
16	3/04	1/28	2/08	3/21	3/31	12/07	11/07	11/17	12/18	12/22

Base Temp	Length of Season (Days)				Longest
	Median	Shortest	10%	90%	
32	182	144	153	203	215
28	210	185	190	229	249
24	231	191	214	253	260
20	247	225	228	276	293
16	277	237	253	308	323

EFFINGHAM, ILLINOIS													ANNUAL
TEMPERATURE													AVERAGE
MAXIMUM													
AVERAGE													
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AVERAGE
1901	41.9	35.4	49.9	61.5	75.2	89.9	96.8	89.9	82.9	69.6	50.0	35.5	64.9
1902	40.9	34.0	56.7	65.1	77.8*	88.9	93.1	86.1	75.8	71.6	61.7	40.9	66.1**
1903	37.6	42.6	60.2	67.0	82.1	78.0	83.8*	81.6*	74.1*	65.6*	48.5*	38.4*	63.3**
1904	29.9†	32.4†	48.5†	59.0	72.7	79.3	82.8	83.7*	80.5	69.2	56.1	42.1	61.4^
1905	33.2	33.2	60.8	66.7	76.1	84.7	82.9	86.5	80.0†	65.1†	57.1*	46.8*	64.4^
1906	46.8*	44.8*	37.3†	68.6†	77.4†	80.9†	86.7†	87.9†	82.1†	65.5†	50.2†	41.8†	64.2†*
1907	41.9†	39.4†	58.8†	53.8†	68.8†	79.4†	86.9†	83.3†	76.9†	64.5†	49.8†	40.7†	62.0†
1908	39.8†	36.9†	57.1†	63.6†	74.5†	82.3†	87.1H†	87.4†	85.1†	69.1†	55.0†	43.8†	65.1H†
1909	39.9†	44.9†	50.5†	63.8†	71.6†	84.2†	83.1†	89.4†	76.5†	62.9†	61.9†	32.1†	63.4†
1910	35.9†	37.9†	64.7†	64.8†	69.1†	82.4†	84.7†	83.2†	77.0†	69.7†	49.4†	35.7†	62.9†
1911	41.2†	44.5†	54.3†	61.4†	82.5†	90.0	91.4	87.6	82.3	66.1	49.8	45.1	66.4††
1912	27.2	32.8	42.5	66.5	76.7	80.0	86.8	84.1	80.7	72.3	53.9	44.4	62.4
1913	43.0	38.9	50.1	63.9	78.7	91.4	95.1	93.6	80.0	65.4	57.9	44.0	66.9
1914	43.1	32.8	48.0	63.5	79.0	91.7	95.7	91.3	80.1	69.6	59.7	34.0	65.7
1915	35.0	46.1	45.9	71.2	71.1	80.8	83.7	77.9	81.3	70.3	58.2	38.7	63.4
1916	42.9	38.8	51.2	62.0	76.6	78.7	94.5	91.9	81.1	65.6	59.3	40.8	65.3
1917	41.4	39.7	55.4	61.8	67.8	80.2	88.8	86.6	82.2	63.2	54.8	32.3	62.9
1918	23.6†	43.4†	59.2H†	59.3	78.9	86.3	87.1	92.5	73.5	71.6	53.8	50.4	65.0H††
1919	45.2	44.6	56.5	67.2	71.5	86.9	92.4	87.5	84.9	71.4	52.7	36.3	66.5
1920	33.6	41.1	54.4	59.8	73.2	84.5	86.9	83.4	80.8	75.1	51.6	42.4	63.9
1921	44.6	47.6	65.8	69.1	79.2	90.2	96.8	87.6	85.1	69.5	57.6	45.4	69.9
1922	38.1	44.9	56.0	68.6	79.7	89.3	88.5	89.3	87.3	74.0	57.2	46.3	68.3
1923	44.5	37.4	52.7	65.6	74.5	84.6	90.0	87.7	78.6	65.2	55.8	53.0	65.8
1924	34.7	41.2	45.5	69.1	69.5	83.6	86.2	89.3	75.3	76.7	55.5	37.9	63.7
1925	39.1	50.6	59.2	74.9	75.4	89.2	90.4	90.2	87.6	57.1	51.6	40.1	67.2
1926	39.2	45.1	48.1	61.1	80.7	84.3	94.7	91.1	83.8	66.1	49.1	38.5	65.2
1927	37.9	51.0	56.7	67.1	74.7	82.2	89.6	83.7	85.0	74.4	60.3	41.8	67.1
1928	41.9	43.7	53.4	60.9	77.5	77.7	89.4	89.3	78.5	70.0	52.0	44.0	64.9
1929	35.8	36.1	60.2	69.2	72.5	83.2	88.7	86.9	79.7	66.3	48.5	40.0	64.0
1930	31.2	50.8	53.1	69.6	78.0	86.0	94.7	91.7	82.3	64.9	54.9	40.4	66.5
1931	43.4	48.0	46.3	66.4	71.6	88.1	93.3	87.5	85.8	70.9	60.6	49.0	67.6
1932	45.6	49.4	45.5	67.1	74.8	83.6	89.5	88.7	80.2	67.9	48.6	41.5	65.2
1933	49.2	41.6	52.3	65.2	76.2	92.8	92.6	87.7	88.4	68.1	54.1	46.6	67.9
1934	44.1	36.7	50.0	66.9	83.3	95.1	95.8	88.4	77.5	73.0	57.2	36.6	67.1
1935	40.6	43.1	58.8	59.8	68.0	78.7	89.2	85.7	81.0	68.4	50.8	33.6	63.2
1936	31.1	32.6	57.2	61.3	81.3	89.7	98.9	96.8	84.4	66.6	51.3	45.2	66.4
1937	40.4	39.1	49.5	64.0	76.3	83.8	88.3	92.0	81.4	63.0	49.9	35.5	63.6
1938	38.0	48.1	59.3	65.8	74.4	82.1	88.7	88.5	82.0	74.0	57.0	42.6	66.7
1939	44.7	42.6	57.5	61.7	79.4	84.6	90.0	86.0	87.7	73.5	53.9	46.3	67.4
1940	25.0	38.4	50.6	63.5	71.8	85.9	91.8	88.7	81.4	74.5	50.7	44.3	63.9
1941	39.3	37.5	47.4	67.1	78.4	84.3	89.2	88.2	81.9	69.8	53.5	45.0	65.2
1942	39.0	36.8	53.4	68.0	72.9	81.9	86.4	83.1	77.3	68.9	54.1	36.5	63.2
1943	38.3	47.8	48.5	61.8	71.2	84.5	88.4	89.6	76.7	67.5	48.9	37.5	63.4
1944	43.0	43.9	47.0	60.2	77.7	86.9	91.2	86.5	78.1	69.0	50.5	32.1	63.9
1945	32.6	41.4	62.2	63.2	68.3	77.1	85.0	85.4	77.4	65.8	51.3	33.3	62.0

\* Mattoon data used, Effingham data missing

† Charleston data used, Effingham data missing

^ Annual average calculated from Effingham, Mattoon, and Charleston data

\*\* Annual average calculated from Mattoon and Effingham data

†† Annual average calculated from Charleston and Effingham data

†\* Annual average calculated from Charleston and Mattoon data

H One to nine days missing

EFFINGHAM, ILLINOIS													ANNUAL AVERAGE
TEMPERATURE													
	AVERAGE						MAXIMUM						
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1946	39.2	45.7	64.8	66.9	68.1	83.5	87.0	79.8	78.6	73.2	55.7	46.6	65.8
1947	42.5	33.9	43.4	63.3	71.4	79.4	83.9	93.5	79.0	76.2	46.1	41.5	62.9
1948	31.4	40.3	51.0	68.5 <sup>f</sup>	71.8	83.9	85.6	86.2	80.6	65.4	55.0	44.3	63.7 <sup>ff</sup>
1949	39.7	44.1	51.7	62.2	76.8	84.6	87.7	84.6	74.4	69.1	55.3	46.5	64.8
1950	46.9	41.9	47.4	57.4	76.1	80.8	82.8	80.2	75.0	73.1	45.6	32.2	61.7
1951	38.5	40.9	46.6 <sup>*</sup>	62.8	78.4	81.6	87.0	86.2	76.8	71.6	46.7 <sup>M</sup>	39.6	63.1 <sup>M**</sup>
1952	42.6 <sup>M</sup>	46.8	50.3	65.3	73.9	90.8	90.3	87.0	82.2	67.1	55.0	41.6	66.1 <sup>M</sup>
1953	41.1	48.8 <sup>M</sup>	53.6	60.3	75.6	88.8	88.0	89.5	86.6	75.4 <sup>M</sup>	56.4 <sup>M</sup>	43.8	67.3 <sup>M</sup>
1954	41.9 <sup>M</sup>	52.7	52.1 <sup>M</sup>	73.5	73.5	91.9	96.3	89.6	88.0	70.1 <sup>M</sup>	55.0 <sup>M</sup>	41.7	68.9 <sup>M</sup>
1955	39.6 <sup>M</sup>	45.4 <sup>M</sup>	56.1	72.9	79.6	81.2	92.8	91.0	85.3	67.2	50.3 <sup>M</sup>	42.0	67.0 <sup>M</sup>
1956	38.3	41.6 <sup>M</sup>	53.5	64.8 <sup>M</sup>	79.1 <sup>M</sup>	86.9	86.2	88.6	84.4	78.2 <sup>M</sup>	56.3 <sup>M</sup>	46.2 <sup>M</sup>	67.0 <sup>M</sup>
1957	33.8 <sup>M</sup>	44.6 <sup>M</sup>	50.6 <sup>*</sup>	67.3 <sup>M</sup>	73.3 <sup>*</sup>	84.3 <sup>M</sup>	87.5 <sup>*</sup>	87.0	77.5	63.6	50.8	47.4	64.0 <sup>M**</sup>
1958	36.7	33.8	44.6	65.1	76.3	80.6	83.6	86.0	78.6	68.9	57.2	36.4	62.3
1959	35.6	43.5	55.3	63.7 <sup>M</sup>	77.1 <sup>*</sup>	88.7	89.5	90.4	84.0	69.1	47.4	46.1	65.9 <sup>M**</sup>
1960	41.0	37.4	38.1	70.2	72.4	84.5	87.2	89.7	87.2	70.8	55.7	37.9	64.3
1961	38.5	47.2	56.0	60.3	72.9	84.3	89.1	86.2	84.7	70.3	53.0	40.0	65.2
1962	33.8	45.7	48.1	65.6	85.1	87.0	88.3	88.2	78.6	71.4	54.0	39.7	65.5
1963	31.2	37.1	58.8	71.7	75.7	89.1	88.8	85.9	83.6	80.5	58.2	31.5	66.0
1964	41.5	41.1	50.7	66.6	81.5	87.6	90.1	89.4	82.1	68.6	59.4	40.8	66.6
1965	41.8	44.3	44.0	69.5	82.7	85.8	87.4	87.1	80.1	68.3	59.0	49.5	66.6
1966	33.8	41.0	56.7 <sup>M</sup>	62.4	73.8	87.2	94.9	87.8	77.6	65.2	56.5	41.0	64.8 <sup>M</sup>
1967	42.0	41.5	57.5	70.2	72.7	85.3	85.6	82.8	77.5	67.1	48.8	42.2	64.4
1968	35.6	38.2	56.9	66.5	72.3	87.5	89.1	88.0	80.9	68.6	51.4	39.3	64.5
1969	36.1	40.3 <sup>M</sup>	46.9	68.6	77.7	83.3	90.0	88.0	80.4	69.0	52.4	37.5	64.2 <sup>M</sup>
1970	30.0	40.6	48.9	67.6	80.3	82.2	90.1	88.6	83.9	68.3	49.4	46.1	64.7
1971	35.5	42.3	52.3	69.0	73.7	90.9	87.1	87.5	84.5	77.9	57.0	48.3	67.2
1972	39.3	43.3	56.3	65.1	79.5	86.4	88.2	87.1	82.0	65.6	46.5	38.5	64.8
1973	39.7	44.4	60.3	63.6	72.4	86.0	88.4	86.8	79.6	71.8	56.6	39.0	65.7
1974	40.2	45.4	58.2	67.6	73.9	79.7	90.6	85.1	70.7 <sup>*</sup>	66.1 <sup>*</sup>	50.5 <sup>*</sup>	39.1 <sup>*</sup>	63.9 <sup>**</sup>
1975	39.1 <sup>*</sup>	37.5	45.7	61.4	76.5	81.8	84.5	84.5	72.1	68.3	55.9	40.2	62.3 <sup>**</sup>
1976	33.8	49.7	57.5	66.3	70.5	81.5	87.0	82.2	75.5	59.7	45.1	35.7	62.1
1977	19.7	37.8	56.6	69.3	80.8	81.0	88.9	82.9	79.3	63.1	51.5	35.3	62.2
1978	25.8	26.3	41.1	64.4	69.1	82.7	86.4	82.8	80.4	63.3	55.2	41.7	60.0
1979	22.9	27.4	48.8	59.0	71.7	82.9	83.0	81.5	77.1	65.5	50.6	43.6	59.5
1980	36.2	31.1	44.4	60.1	73.4	81.7	89.0	87.1	78.5	63.3	50.9	40.0	61.3
1981	34.7	42.4	51.0	69.4	67.8	82.5	85.5	80.8	74.2	62.9	55.3	36.3	61.9
1982	28.0	33.3	51.5	58.5	78.7	76.7	84.2	80.6	75.1	66.9	52.2	47.4	61.1
1983	35.9	43.4	50.1	55.9	69.5	81.6	89.3	91.3	81.6	66.6	54.4	25.8	62.2
1984	30.7	44.6	41.0	59.0	69.7	85.5	84.9	87.0	75.4	67.7	51.5	47.9	62.1
1985	29.1	34.0	55.5	67.0	75.0	78.2	85.0	80.4	78.6	69.5	53.6	33.5	61.6
1986	39.7	39.5	54.2	68.6	75.3	84.8	88.6	80.8	81.1	65.5	47.3	39.6	63.8
1987	34.4	45.5	56.2 <sup>*</sup>	65.0	81.3	86.4	87.4	87.2	81.2	61.5	57.4	42.6	65.5 <sup>**</sup>
1988	33.3	36.1	51.7	65.3	79.0	88.0	90.0	91.5	81.6	60.9	52.9	43.4	64.5
1989	45.2	34.1	52.5	63.9	69.7	83.6	86.3	85.3	75.3	69.6	52.4	28.7	62.2
1990	47.5	46.1	55.8	61.4	70.5	84.8	87.3	84.1	80.5	65.7	59.2	43.2	65.5

\* Mattoon data used, Effingham data missing  
<sup>f</sup> Charleston data used, Effingham data missing  
<sup>^</sup> Annual average calculated from Effingham, Mattoon, and Charleston data  
<sup>\*\*</sup> Annual average calculated from Mattoon and Effingham data  
<sup>ff</sup> Annual average calculated from Charleston and Effingham data  
<sup>f\*</sup> Annual average calculated from Charleston and Mattoon data  
<sup>M</sup> One to nine days missing

EFFINGHAM, INNILOIS													
TEMPERATURE													
MINIMUM													
AVERAGE													
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVERAGE
1901	24.2	18.4	32.8	41.0	51.9	64.4	68.9	63.0	55.2	43.4	29.3	20.2	42.7
1902	24.1	13.8	36.2	40.2	55.9*	61.3	64.2	62.5	53.4	47.3	43.0	24.5	43.9**
1903	19.4	22.5	38.2	42.4	58.5	57.8	67.0*	62.9*	55.1*	44.9*	31.7*	18.9*	43.3**
1904	15.1#	17.2#	34.1#	38.4	52.3	60.1	61.7	65.3*	54.5	42.5	30.3	21.8	41.1^
1905	15.4	12.1	36.6	41.1	54.0	62.0	62.9	63.2	59.3#	45.7#	35.2*	28.1*	43.0^
1906	29.2*	24.2*	25.7#	45.6#	52.6#	60.4#	60.5#	65.1#	59.7#	43.7#	33.3#	27.3#	43.9#*
1907	26.6#	21.9#	40.7#	33.9#	46.6#	57.1#	65.5#	62.3#	55.0#	42.1#	28.9#	28.5#	42.4#
1908	22.7#	22.7#	36.8#	42.9#	54.7#	60.3#	64.3#	62.0#	56.3#	41.2#	34.7#	25.4#	43.7#
1909	24.3#	27.6#	31.9#	41.2#	49.8#	62.2#	63.0#	63.8#	53.1#	39.8#	42.5#	16.1#	42.9#
1910	22.7#	18.8#	39.9#	41.5#	47.5#	56.8#	65.5#	60.5#	57.3#	45.8#	28.0#	19.2#	42.0#
1911	24.0#	28.4#	30.6#	40.8#	55.9#	63.1#	61.0	61.7	60.3	44.5	29.8	29.3	44.1##
1912	9.2	15.0	24.8	43.5	54.1	60.9	66.3	62.3	56.2	41.7	31.4	23.3	40.8
1913	25.4	18.0	28.3	40.3	50.2	56.0	64.9	64.5	54.8	42.8	39.2	30.3	42.9
1914	27.2	13.2	29.3	43.6	50.6	59.8	64.4	63.2	53.8	45.9	32.3	19.1	41.9
1915	18.8	31.1	27.4	44.4	49.7	62.9	62.3	57.7	57.1	41.1	33.5	22.9	42.4
1916	21.6	17.9	27.2	39.3	52.3	58.1	65.5	63.4	50.1	38.2	31.6	18.9	40.4
1917	19.8	16.1	31.6	39.5	44.5	54.8	61.2	58.9	50.2	32.5	30.0	16.8	38.0
1918	3.3#	21.7#	33.2##	37.3	54.2	56.5	59.7	67.0	47.7	48.0	33.8	31.7	41.2###
1919	23.5	25.5	33.8	43.9	50.9	57.9	65.9	61.1	57.4	49.6	32.5	18.6	43.4
1920	17.0	23.8	33.3	39.1	52.2	59.9	63.4	61.7	58.0	49.8	32.6	26.5	43.1
1921	28.7	30.8	40.4	45.2	52.9	65.8	68.0	63.1	62.5	43.5	35.0	28.7	47.1
1922	17.8	26.0	36.0	44.8	55.8	61.9	64.1	62.1	57.0	45.3	35.8	23.5	44.2
1923	29.0	19.9	29.1	39.7	50.9	61.9	64.4	63.2	56.3	40.7	34.9	33.9	43.7
1924	14.9	24.3	29.9	42.9	45.3	60.5	59.9	62.7	51.1	45.8	33.5	18.5	40.8
1925	19.6	30.3	35.9	47.3	45.1	63.2	63.5	61.0	62.5	38.8	30.6	20.5	43.2
1926	22.1	27.6	26.0	35.9	51.6	55.3	64.0	64.7	59.0	46.3	30.8	23.7	42.3
1927	20.7	31.1	35.6	45.6	52.3	57.3	62.3	56.7	59.2	44.3	36.7	21.0	43.6
1928	21.1	25.2	31.6	37.3	49.6	57.1	64.5	63.8	48.4	47.4	35.3	26.1	42.3
1929	15.3	16.6	36.9	45.2	49.2	57.6	64.9	59.4	53.4	43.6	30.2	23.4	41.3
1930	13.4	31.2	29.3	44.2	52.2	57.9	65.2	62.6	58.4	42.7	34.6	25.7	43.2
1931	26.2	30.0	30.0	42.5	49.5	63.1	65.3	63.3	60.8	48.6	42.7	33.9	46.4
1932	30.5	31.8	26.5	43.3	51.8	61.9	64.7	63.0	54.9	44.1	28.0	23.3	43.7
1933	31.1	22.0	33.3	42.9	56.7	63.9	66.5	60.9	61.5	42.5	31.8	28.8	45.2
1934	26.8	17.6	28.7	42.0	52.5	65.2	68.3	64.8	55.6	45.6	37.9	23.0	44.0
1935	23.9	27.5	40.0	41.5	50.2	58.9	67.3	64.7	53.5	46.3	35.1	19.6	44.1
1936	15.5	13.7	35.7	38.6	54.9	58.2	73.5	70.6	61.2	44.9	29.7	27.5	43.7
1937	23.3	23.5	29.9	42.5	53.1	62.3	63.7	66.0	54.2	43.4	30.0	24.7	43.1
1938	22.8	33.9	39.8	45.1	53.2	60.5	65.9	66.9	57.7	45.5	33.6	25.4	45.9
1939	28.1	23.0	34.5	40.2	54.0	64.0	65.6	62.1	58.4	44.0	31.7	26.3	44.4
1940	8.7	26.7	31.5	41.3	49.3	61.3	62.7	63.1	50.4	45.2	31.0	30.0	41.8
1941	24.3	20.9	27.0	46.8	53.1	62.4	64.5	63.0	57.5	49.8	33.9	29.3	44.4
1942	18.8	23.1	33.8	44.8	52.0	63.0	66.3	62.0	53.4	43.0	36.0	20.7	43.1
1943	20.3	23.4	26.0	39.5	53.5	65.6	65.6	63.8	49.0	41.4	28.3	18.8	41.3
1944	23.9	24.0	28.9	40.9	56.6	63.0	60.9	63.4	55.0	41.9	36.6	17.8	42.8
1945	17.8	23.8	40.8	43.6	46.2	59.1	61.1	61.7	57.3	41.5	33.6	17.4	42.0

\* Mattoon data used, Effingham data missing  
# Charleston data used, Effingham data missing  
\*\* Annual average calculated from Mattoon and Effingham data  
## Annual average calculated from Charleston and Effingham data  
##\* Annual average calculated from Charleston and Mattoon data  
^ Annual average calculated from Effingham, Mattoon, and Charleston data  
N One to nine days missing

EFFINGHAM, INNILOIS													
TEMPERATURE													
MINIMUM													
AVERAGE													
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVERAGE
1946	21.4	25.8	43.3	43.1	50.5	61.0	63.2	58.8	51.3	45.1	35.3	27.7	43.9
1947	26.2	16.2	25.5	41.7	49.2	60.7	59.5	69.6	55.7	51.0	31.5	26.8	42.8
1948	14.7	22.3	32.3	46.4#	49.4	60.0	64.7	61.4	55.7	40.6	37.1	26.8	42.6##
1949	25.7	25.5	31.2	41.4	51.8	64.9	68.8	61.9	47.6	48.3	33.4	28.1	44.1
1950	27.5	25.3	29.3	37.1	52.8	59.4	60.6	58.5	55.1	47.0	26.6	12.9	41.0
1951	22.1	23.9	27.8*	39.8	51.6	60.6*	65.6	62.2	52.8	46.1	28.1M	21.9M	41.9M**
1952	25.7M	28.8	30.8	40.0	50.9	65.4	64.9	61.1	50.6M	34.3	32.5	27.9	42.7M
1953	27.2	26.9	33.9	38.4	52.3M	64.8M	63.1	59.7	52.1M	44.7M	34.5	25.8	43.6M
1954	23.5M	32.1	29.7M	48.0	47.6	65.1	67.3	65.5	58.0	46.4M	32.8	28.0	45.3M
1955	23.5	24.9M	31.2M	47.3M	53.9M	57.0	70.3	63.8	56.3	43.9	29.2M	23.3	43.7M
1956	19.7M	28.3M	32.6M	39.9M	51.5*	61.1	64.6	61.6M	47.3M	45.6M	29.8M	29.8*	42.7M**
1957	10.3M	30.0M	31.6*	38.5M	52.0*	62.7M	65.9*	62.3	53.6	40.8	32.7	29.5	42.5M**
1958	22.0	14.4	29.5	41.0M	49.6	56.6	64.8	63.0	55.7	42.3	34.9M	17.0	40.9M
1959	15.7	23.9	31.5	39.3M	56.7*	61.9	65.2	69.0	59.1	46.4	29.0	32.2	44.2M**
1960	26.7	23.6	19.3	45.8	50.7	61.5	63.3	65.5	60.9	46.3	34.9	21.4	43.3
1961	18.6	27.6	37.7	40.5	48.1	59.9	65.5	63.3	59.6	47.0	35.8	24.5	44.0
1962	16.2	26.5	31.5	42.4	60.7	63.2	64.8	63.1	55.3	49.7	35.5	20.5	44.1
1963	13.2	16.0	36.7	46.2	51.8	62.0	64.3	61.7	54.9	50.5	37.2	13.3	42.3
1964	21.9	23.3	30.9	46.1	56.4	64.4	66.6	63.7	56.6	40.3	36.5	24.7	44.3
1965	21.6	21.7	25.7M	45.3	56.5	61.4	62.5	60.5	56.7	43.4	36.4	32.2	43.7M
1966	17.0	23.0	32.7M	41.8	48.5	58.8	66.6	61.0	53.7	40.6	34.9	26.5	42.1M
1967	24.0	18.8	36.2	45.8	48.5	61.5	61.9	58.3	52.6	44.7	31.2	26.7	42.5
1968	18.0	18.6	32.9	42.3	49.9	61.9	66.0	64.4	55.2	43.5	36.0	24.3	42.8
1969	18.8	26.6	25.9	45.5	52.7	60.1	67.9	62.5	55.5	41.8	31.0M	22.6	42.6M
1970	11.8	19.8	31.2	44.7	55.3	61.3	64.0	63.5	59.4	44.7	31.7	26.7	42.8
1971	16.0	21.6	30.1	41.9M	48.4	64.2	63.8	62.2	58.5	50.8	33.4	30.5	43.5M
1972	17.7	21.6	32.4	42.4	53.1	57.2	62.8	63.5	58.8	44.3	34.0	23.6	42.6
1973	23.5	24.0	40.9	44.5	50.8	63.0	66.8	65.8	61.3	50.9	38.4	23.3	46.1
1974	22.8	26.1	36.8	45.9	54.2	58.4	66.8	63.5	51.7*	43.1*	34.6*	27.7*	44.3**
1975	24.5*	23.2	27.3	37.8	54.3	61.5	61.4	64.8	49.7	41.7	35.7	24.9	42.2**
1976	15.2	27.1	35.9	41.7	45.5	59.0	62.8	57.8	49.1	35.1	23.3	15.1	39.0
1977	-0.4	17.1	36.0	46.1	55.7	59.5	66.5	62.5	58.2	41.0	36.3	19.5	41.5
1978	8.3	7.2	24.0	43.5	49.5	60.5	65.3	61.7	56.0	39.4	36.4	23.2	39.6
1979	5.7	7.1	32.2	40.7	48.0	60.1	63.3	62.9	51.0	42.4	30.2	25.8	39.1
1980	21.2	11.9	27.1	39.8	50.8	58.3	66.6	65.2	54.0	37.2	29.8	22.7	40.4
1981	14.9	20.0	29.0	46.3	46.6	62.1	65.3	61.2	52.7	41.5	35.1	19.3	41.2
1982	9.5	15.1	32.0	37.6	57.4	57.3	66.5	60.3	55.3	43.5	35.7	33.2	42.0
1983	24.1	26.4	33.6	39.5	49.4	61.6	68.7	67.8	55.4	46.4	37.4	12.3	43.6
1984	15.6	27.3	26.7	42.8	49.6	64.3	62.0	63.5	54.6	51.7	32.0	29.0	43.3
1985	11.8	16.8	34.9	47.3	53.9	60.9	65.1	62.5	57.0	48.0	38.4	13.9	42.5
1986	19.2	23.0	33.4	45.5	55.5	64.1	69.8	59.1	59.6	46.5	32.2	25.3	44.4
1987	20.5	26.5	32.2*	40.2	57.7	64.6	67.5	65.1	55.8	36.0	37.9	29.1	44.4**
1988	15.8	17.7	31.0	40.3	51.2	60.0	67.0	68.2	56.8	38.8	33.5	21.7	41.8
1989	27.1	18.1	31.6	41.3	48.9	61.7	66.9	64.8	54.7	45.3	31.8	10.5	41.9
1990	29.1	28.0	36.6	40.7	51.5	63.1	65.5	62.5	58.3	41.5	37.6	23.7	44.8

\* Mattoon data used, Effingham data missing  
 † Charleston data used, Effingham data missing  
 \*\* Annual average calculated from Mattoon and Effingham data  
 ## Annual average calculated from Charleston and Effingham data  
 †\* Annual average calculated from Charleston and Mattoon data  
 ^ Annual average calculated from Effingham, Mattoon, and Charleston data  
 M One to nine days missing

EFFINGHAM, ILLINOIS													ANNUAL
AVERAGE						MEAN		TEMPERATURE					AVERAGE
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1901	33.1	26.9	41.4	51.3	63.6	77.2	82.9	76.5	69.1	56.5	39.7	27.9	53.9
1902	32.5	23.9	46.5	52.7	66.8*	75.1	78.7	74.3	64.6	59.5	52.4	32.7	55.0**
1903	28.5	32.6	49.2	54.7	70.3	67.9	75.4*	72.2*	64.8*	55.2*	40.1*	28.6*	53.3**
1904	22.5#	24.8#	41.3#	48.7	62.5	69.7	72.3	74.5*	67.5	55.8	43.2	32.0	51.2^
1905	24.3	22.7	48.7	53.9	65.1	73.4	72.9	74.8	69.9#	55.4#	46.2*	37.5*	53.7^
1906	38.0*	34.5*	31.5#	57.1#	65.0#	70.6#	73.6#	76.5#	70.9#	54.6#	41.8#	34.6#	54.1#*
1907	34.2#	31.2#	49.8#	43.8#	57.7#	68.2#	76.2#	72.8#	66.0#	53.3#	39.4#	34.6#	52.3#
1908	31.2#	29.8#	47.0#	53.6#	64.6#	71.3#	75.7#	74.7#	70.7#	55.2#	44.8#	34.6#	54.4#
1909	32.1#	35.7#	41.2#	52.5#	60.7#	73.2#	73.1#	76.6#	64.8#	51.4#	52.2#	24.1#	53.1#
1910	29.3#	28.4#	52.3#	53.2#	58.3#	69.6#	75.1#	71.9#	67.2#	57.8#	38.7#	27.5#	52.4#
1911	32.6#	36.5#	42.5#	51.1#	69.2#	76.3#	76.2	74.7	71.3	55.3	39.8	37.2	55.2##
1912	18.2	23.9	33.7	55.0	65.4	70.5	76.6	73.2	68.5	57.0	42.7	33.9	51.6
1913	34.2	28.5	39.2	52.1	64.5	73.7	80.0	79.1	67.4	54.1	48.6	37.2	54.9
1914	35.2	23.0	38.7	53.6	64.8	75.8	80.1	77.3	67.0	57.8	46.0	26.6	53.9
1915	26.9	38.6	36.7	57.8	60.4	71.9	73.0	67.8	69.2	55.7	45.9	30.8	52.9
1916	32.3	28.4	39.2	50.7	64.5	68.4	80.0	77.7	65.6	51.9	45.5	29.9	52.9
1917	30.6	27.9	43.5	50.7	56.2	67.5	75.0	72.8	66.2	47.9	42.4	24.6	50.5
1918	13.4#	32.6#	46.2#	48.3	66.6	71.4	73.4	79.8	60.6	59.8	43.8	41.1	53.1###
1919	34.4	35.1	45.2	55.6	61.2	72.4	79.2	74.3	71.2	60.5	42.6	27.5	55.0
1920	25.3	32.5	43.9	49.5	62.7	72.2	75.2	72.6	69.4	62.5	42.1	34.5	53.6
1921	36.7	39.2	53.1	57.2	66.1	78.0	82.4	75.4	73.8	56.5	46.3	37.1	58.5
1922	28.0	35.5	46.0	56.7	67.8	75.6	76.3	75.7	72.2	59.7	46.5	34.9	56.3
1923	36.8	28.7	40.9	52.7	62.7	73.3	77.2	75.5	67.5	53.0	45.4	43.5	54.8
1924	24.8	32.8	37.7	56.0	57.4	72.1	73.1	76.0	63.2	61.3	44.5	28.2	52.3
1925	29.4	40.5	47.6	61.1	60.3	76.2	77.0	75.6	75.1	48.0	41.1	30.3	55.2
1926	30.7	36.4	37.1	48.5	66.2	69.8	79.4	77.9	71.4	56.2	40.0	31.1	53.8
1927	29.3	41.1	46.2	56.4	63.5	69.8	76.0	70.2	72.1	59.4	48.5	31.4	55.4
1928	31.5	34.5	42.5	49.1	63.6	67.4	77.0	76.6	63.5	58.7	43.7	35.1	53.6
1929	25.6	26.4	48.6	57.2	60.9	70.4	76.8	73.2	66.6	55.0	39.4	31.7	52.7
1930	22.3	41.0	41.2	56.9	65.1	72.0	80.0	77.2	70.4	53.8	44.8	33.1	54.9
1931	34.8	39.0	38.2	54.5	60.6	75.6	79.3	75.4	73.3	59.8	51.7	41.5	57.0
1932	38.1	40.6	36.0	55.2	63.3	72.8	77.1	75.9	67.6	56.0	38.3	32.4	54.5
1933	40.2	31.8	42.8	54.1	68.0	78.4	79.6	74.3	75.0	55.3	43.0	37.7	56.7
1934	35.5	27.2	39.4	54.5	67.9	80.2	82.1	76.6	66.6	59.3	47.6	29.8	55.6
1935	32.3	35.3	49.4	50.7	59.1	68.8	78.3	75.2	67.3	57.4	43.0	26.6	53.7
1936	23.3	23.2	46.5	50.0	68.1	74.0	86.2	83.7	72.8	55.8	40.5	36.4	55.1
1937	31.9	31.3	39.7	53.3	64.7	73.1	76.0	79.0	67.8	53.2	40.0	30.1	53.4
1938	30.4	41.0	49.6	55.5	63.8	71.3	77.3	77.7	69.9	59.8	45.3	34.0	56.3
1939	36.4	32.8	46.0	51.0	66.7	74.3	77.8	74.1	73.1	58.8	42.8	36.3	55.9
1940	16.9	32.6	41.1	52.4	60.6	73.6	77.3	75.9	65.9	59.9	41.2	37.2	52.9
1941	31.8	29.2	37.2	57.0	65.8	73.4	76.9	75.6	69.7	59.8	43.7	37.2	54.8
1942	28.9	30.0	43.6	56.4	62.5	72.5	76.4	72.6	65.4	56.0	45.1	28.6	53.2
1943	29.9	35.6	37.3	50.7	62.4	75.1	77.0	76.7	62.9	54.5	38.6	28.2	52.4
1944	33.5	34.0	38.0	50.6	67.2	75.0	76.1	75.0	66.6	55.5	43.6	25.0	53.4
1945	25.2	32.6	51.5	53.4	57.3	68.1	73.1	73.6	67.4	53.7	42.5	25.4	52.0

\* Mattoon data used, Effingham data missing

# Charleston data used, Effingham data missing

\*\* Annual average calculated from Mattoon and Effingham data

## Annual average calculated from Charleston and Effingham data

\*\* Mean temperature calculated from Effingham average monthly maximum and Mattoon average monthly minimum temperatures

#\* Annual average calculated from Charleston and Mattoon data

^ Annual average calculated from Mattoon, Charleston, and Effingham data

# One to nine days missing



YEAR	AVERAGE					MEAN					TEMPERATURE					EFFINGHAM, ILLINOIS	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVERAGE				
1946	30.3	35.8	54.1	55.0	59.3	72.3	75.1	69.3	65.0	59.2	45.5	37.2	54.9				
1947	34.4	25.1	34.5	52.5	60.3	70.1	71.7	81.6	67.4	63.6	38.8	34.2	52.9				
1948	23.1	31.3	41.7	57.5 <sup>f</sup>	60.6	72.0	75.2	73.8	68.2	53.0	46.1	35.6	53.2 <sup>ff</sup>				
1949	32.7	34.8	41.5	51.8	64.3	74.8	78.3	73.3	61.0	58.7	44.4	37.3	54.4				
1950	37.2	33.6	38.4	47.3	64.5	70.1	71.7	69.4	65.1	60.1	36.1	22.6	51.4				
1951	30.3	32.4	37.2 <sup>*</sup>	51.3	65.0	71.1 <sup>**</sup>	76.3	74.2	64.8	58.9	37.4 <sup>M</sup>	30.8 <sup>M</sup>	52.5 <sup>M**</sup>				
1952	34.2 <sup>M</sup>	37.8	40.6	52.7	62.4	78.1	77.6	74.1	66.4 <sup>M</sup>	50.7	43.8	34.8	54.4 <sup>M</sup>				
1953	34.2	37.9 <sup>M</sup>	43.8	49.4	64.0 <sup>M</sup>	76.8 <sup>M</sup>	75.6	74.6	69.4 <sup>M</sup>	60.1 <sup>M</sup>	45.5 <sup>M</sup>	34.8	55.5 <sup>M</sup>				
1954	32.7 <sup>M</sup>	42.4	40.9 <sup>M</sup>	60.8	60.6	78.5	81.8	77.6	73.0	58.3 <sup>M</sup>	43.9 <sup>M</sup>	34.9	57.1 <sup>M</sup>				
1955	31.6 <sup>M</sup>	35.2 <sup>M</sup>	43.6 <sup>M</sup>	60.1 <sup>M</sup>	66.8 <sup>M</sup>	69.1	81.6	77.4	70.8	55.6	39.8 <sup>M</sup>	32.7	55.4 <sup>M</sup>				
1956	29.0 <sup>M</sup>	35.1 <sup>M</sup>	43.0 <sup>M</sup>	52.4 <sup>M</sup>	65.3 <sup>M**</sup>	74.0	75.4	75.1 <sup>M</sup>	65.8 <sup>M</sup>	61.9 <sup>M</sup>	43.1 <sup>M</sup>	38.0 <sup>++</sup>	54.8 <sup>M**</sup>				
1957	22.1 <sup>M</sup>	37.3 <sup>M</sup>	41.1 <sup>*</sup>	52.9 <sup>M</sup>	62.7 <sup>*</sup>	73.5 <sup>M</sup>	76.7 <sup>*</sup>	74.7	65.6	52.2	41.8	38.5	53.3 <sup>M**</sup>				
1958	29.4	24.1	37.1	53.1 <sup>M</sup>	63.0	68.6	74.2	74.5	67.2	55.6	46.1 <sup>M</sup>	26.7	51.6 <sup>M</sup>				
1959	25.7	33.7	43.4	51.5 <sup>M</sup>	66.9 <sup>*</sup>	75.3	77.4	79.7	71.6	57.8	38.2	39.2	55.0 <sup>M**</sup>				
1960	33.9	30.5	28.7	58.0	61.6	73.0	75.3	77.6	74.1	58.6	45.3	29.7	53.9				
1961	28.6	37.4	46.9	50.4	60.5	72.1	77.3	74.8	72.2	58.7	44.4	32.3	54.6				
1962	25.0	36.1	39.8	54.0	72.9	75.1	76.6	75.7	67.0	60.6	44.8	30.1	54.8				
1963	22.2	26.6	47.8	59.0	63.8	75.6	76.6	73.8	69.3	65.5	47.7	22.4	54.2				
1964	31.7	32.2	40.8	56.4	69.0	76.0	78.4	76.6	69.4	54.5	48.0	32.8	55.5				
1965	31.7	33.0	34.8 <sup>M</sup>	57.4	69.6	73.6	75.0	73.8	68.4	55.9	47.7	40.9	55.2 <sup>M</sup>				
1966	25.4	32.0	44.7 <sup>M</sup>	52.1	61.2	73.0	80.8	74.4	65.7	52.9	45.7	33.8	53.5 <sup>M</sup>				
1967	33.0	30.2	46.9	58.0	60.6	73.4	73.8	70.6	65.1	55.9	40.0	34.5	53.5				
1968	26.8	28.4	44.9	54.4	61.1	74.7	77.6	76.2	68.1	56.1	43.7	31.8	53.7				
1969	27.5	33.5 <sup>M</sup>	36.4	57.1	65.2	71.7	79.0	75.3	68.0	55.4	41.7 <sup>M</sup>	30.1	53.4 <sup>M</sup>				
1970	20.9	30.2	40.1	56.2	67.8	71.8	77.1	76.1	71.7	56.5	40.6	36.4	53.8				
1971	25.8	32.0	41.2	55.4 <sup>M</sup>	61.1	77.6	75.4	74.9	71.5	64.4	45.2	39.4	55.3 <sup>M</sup>				
1972	28.5	32.5	44.4	53.8	66.3	71.8	75.5	75.3	70.4	55.0	40.3	31.1	53.7				
1973	31.6	34.2	50.6	54.1	61.6	74.5	77.6	76.3	70.5	61.4	47.5	31.2	55.9				
1974	31.5	35.8	47.5	56.8	64.1	69.1	78.7	74.3	61.2 <sup>*</sup>	54.6 <sup>*</sup>	42.7 <sup>*</sup>	33.4 <sup>*</sup>	54.1 <sup>**</sup>				
1975	31.8 <sup>*</sup>	30.4	36.5	49.6	65.4	71.7	73.0	74.7	60.9	55.0	45.8	32.6	52.3 <sup>**</sup>				
1976	24.5	38.4	46.7	54.0	58.0	70.3	74.9	70.0	62.3	47.5	34.2	25.4	50.6				
1977	10.1	27.5	46.3	57.7	68.3	70.3	77.7	72.7	68.8	52.1	43.9	27.4	51.9				
1978	17.1	16.8	32.6	54.0	59.3	71.6	75.9	72.3	68.2	51.4	45.8	32.5	49.8				
1979	14.3	17.3	40.5	49.9	59.9	71.5	73.2	72.2	64.1	54.0	40.4	34.7	49.4				
1980	28.7	21.5	35.8	50.0	62.1	70.0	77.8	76.2	66.3	50.3	40.4	31.4	50.9				
1981	24.8	31.2	40.0	57.9	57.2	72.3	75.4	71.0	63.5	52.2	45.2	27.8	51.6				
1982	18.8	24.2	41.8	48.1	68.1	67.0	75.4	70.5	65.2	55.2	44.0	40.3	51.6				
1983	30.0	34.9	41.9	47.7	59.5	71.6	79.0	79.6	68.5	56.5	45.9	19.1	52.9				
1984	23.2	36.0	33.9	50.9	59.7	74.9	73.5	75.3	65.0	59.7	41.8	38.5	52.7				
1985	20.5	25.4	45.2	57.2	64.5	69.6	75.1	71.5	67.8	58.8	46.0	23.7	52.1				
1986	29.5	31.3	43.8	57.1	65.4	74.5	79.2	70.0	70.4	56.0	39.8	32.5	54.1				
1987	27.5	36.0	44.2 <sup>*</sup>	52.6	69.5	75.5	77.5	76.2	68.5	48.8	47.7	35.9	55.0 <sup>**</sup>				
1988	24.6	26.9	41.4	52.8	65.1	74.0	78.5	79.9	69.2	49.9	43.2	32.6	53.2				
1989	36.2	26.1	42.1	52.6	59.3	72.7	76.6	75.1	65.0	57.5	42.1	19.6	52.1				
1990	38.3	37.1	46.2	51.1	61.0	74.0	76.4	73.3	69.4	53.6	48.4	33.5	55.2				

\* Mattoon data used, Effingham data missing

<sup>f</sup> Charleston data used, Effingham data missing

\*\* Annual average calculated from Mattoon and Effingham data

<sup>ff</sup> Annual average calculated from Charleston and Effingham data

<sup>++</sup> Mean temperature calculated from Effingham average monthly maximum and Mattoon average monthly minimum temperatures

<sup>f\*</sup> Annual average calculated from Charleston and Mattoon data

<sup>^</sup> Annual average calculated from Mattoon, Charleston, and Effingham data

<sup>M</sup> One to nine days missing

## COOLING DEGREE DAYS

EFFINGHAM, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
1901	0	0	0	18	82	380	563	364	172	7	0	0	1589
1902	0	0	0	13	182f	225Mf	429	302	75	13	5	0	1244Mff
1903	0	0	8	12	205	104	367f	255Mf	140f	39f	0f	0f	1130Mff
1904	0f	0f	1f	4f	73f	190f	295f	254f	158f	17f	0f	0f	992f
1905	0f	0f	5f	12f	95f	290Mf	308f	351f	159f	31f	0f	0f	1245Mf
1906	1f	0f	0Mf	30f	127f	193f	273f	368f	194f	7f	0f	0f	1196Mf
1907	0f	0f	41f	0f	39f	144f	355f	251f	115Mf	16f	0f	0f	960Mf
1908	0f	0f	2f	9f	141f	222f	343Mf	311f	222f	30f	0Mf	0Mf	1279Mf
1909	0f	0f	0f	12f	38f	259f	256f	365f	111f	5f	4f	0f	1050f
1910	0f	0f	22f	18f	23f	210f	319f	239Mf	115f	42f	0f	0f	983Mf
1911	0f	0f	0f	0f	237f	318	354	310	214	21	3f	0	1457ff
1912	0	0	0	3	106	124	365	268	208	37	0	0	1127
1913	0	0	0	3	91	348	478	446	176	31	3	0	1575
1914	0	0	0	24	118	385	473	388	125	19	0	0	1579
1915	0	0	0	39	35	157	263	129	191	3	3	0	833
1916	0	0	0	5	102	89	471	403	143	19f	0	0	1232ff
1917	0	0	0	12	27	156	320	263	117	8f	0	0f	903ff
1918	0f	0f	1Mf	3	154	229	268	466	29	18	0	0	1168Mff
1919	0	0	0	16	60	333	446	297	207	72	0	0	1431
1920	0	0	2	2	67	233	329	253	171	73	0	0	1062
1921	0	0	14	20	161	398	547	327	277	1	0	0	1745
1922	0	0	0	17	122	330	358	339	242	58	0	0	1456
1923	0	0	0	3	62	265	386	340	135	1	0	0	1192
1924	0	0	0	28	12	234	265	352	66	36	4	0	997
1925	0	0	0	56	64	343	379	337	318	20	0	0	1538
1926	0	0	0	2	119	165	455	408	245	28	0	0	1420
1927	0	0	0	28	80	159	346	175	268	19	6	0	1109
1928	0	0	0	0	61	123	378	367	112	47	0	0	1088
1929	0	0	9	37	91	196	375	263	129	2	0	0	1105
1930	0	0	0	42	82	239	474	385	198	29	1	0	1453
1931	0	0	0	9	64	354	450	329	285	56	5	0	1545
1932	0	0	0	9	68	241	387	304Mf	131	16	0	0	1156Mff
1933	0	0	2	9	124	417	458	298	308	15	2	0	1633
1934	0	0	0	10	136	462	537	374	111	18	0	0	1648
1935	0	0	6	9	30	154	419	346	133	30	0	0	1127
1936	0	0	0	14	155	277	666	589	276	13	1	0	1991
1937	0	0	0	10	98	257	351	438	171	26	0	0	1358
1938	0	0	2	22	90	200	388	400	215	39	1	0	1357
1939	0	0	5	6	138	294	403	287	263	62	0	0	1458
1940	0	0	0	8	43	265	390	352	137	38	0	0	1233
1941	0	0	0	28	133	262	378	335	192	54	0	0	1375
1942	0	0	0	28	73	254	359	252	172	15	4	0	1157
1943	0	0	0	7	49	319	381	375	77	8	0	0	1216
1944	0	0	0	2	180	318	350	325	109	27	2	0	1306
1945	0	0	5	7	26	160	264	278	144	0	1	0	887

f Charleston data used, Effingham data missing

\* Mattoon data used, Effingham data missing

ff Annual total calculated from Charleston and Effingham data

\*\* Annual total calculated from Mattoon and Effingham data

M One to nine days missing

## COOLING DEGREE DAYS

EFFINGHAM, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
1946	0	0	0	18	12	252	322	167	74	25	0	0	872
1947	0	0	0	6	35	180	229	522	185	57	0	0	1214
1948	0	0	0	43#	23	214	319	280	141	1	0	0	1021##
1949	0	0	0	1	75	285	419	261	37	43	0	0	1121
1950	0	0	0	10	66	184	218	159	82	39	1	0	759
1951	0	0	0M*	25	95	177*	361	295	75	48	0M	0M	1076M**
1952	0M	0	0	7	56	402	399	289	127M	11	0	0	1294M
1953	0	0M	0	1	86M	362M	332	309	174M	40M	0M	0	1310M
1954	0M	0	0M	59	64	424	530	397	268	109M	0M	0	1907M
1955	0M	0M	0M	20M	103M	159	521	391	206	11	21M	0	1474M
1956	0M	0M	2M	27M	111*	298	330	301M	75M	18*	0M*	0*	1162M**
1957	0*	0*	0*	42*	57*	270M	370*	307	105	0	0	0	1151M**
1958	0	0	0	2M	56	135	293	311	142	19	4M	0	967M
1959	0	0	0	2	151M*	322	389	464	230	43	0	0	1601M**
1960	0	0	1	48	66	248	323	400	285	29	0	0	1400
1961	0	0	0	16	38	238	388	312	263	30	5	0	1290
1962	0	0	0	37	261	312	365	337	140	69	0	0	1524
1963	0	0	6	41	72	326	365	291	159	97	0	0	1357
1964	0	0	0	18	162	342	420	372	194	3	7	0	1518
1965	0	0	0M	38	172	264	315	286	154	19	0	0	1258M
1966	0	0	0M	0*	56	252	497	301	98	1	0	0	1205M**
1967	0	0	5	43	60	270	284	194	103	27	0	0	986
1968	0	0	4	2	57	308	397	357	115	37	2	0	1279
1969	0	0M	0	11	100	234	442	324	131	32	0M	0	1281M
1970	0	0	0	30	154	221	381	350	241	9	0	0	1386
1971	0	0	0	20M	26	386	332	317	233	75	0	0	1395M
1972	0	0	0	15	126	231	339	331	204	5	0	0	1251
1973	0	0	0	14	28	291	400	360	198	59	1	0	1351
1974	0	0	16	27	91	146	434	296	44*	9*	2*	0*	1065**
1975	0*	0	0	0	99	226	266	307	57	9	0	0	1053
1976	0	0	2	31	13	169	316	166	35	2	0	0	734
1977	0	0	2	43	176	185	402	251	151	0	0	0	1210
1978	0	0	0	15	64	219	343	237	160	0	0	0	1038
1979	0	0	0	2	49	212	262	244	77	34	0	0	882
1980	0	0	0	8	49	186	405	352	122	6	0	0	1128
1981	0	0	0	31	20	233	332	195	60	12	0	0	883
1982	0	0	0	0	130	96	325	191	96	34	5	1	878
1983	0	0	2	1	16	228	444	460	193	17	0	0	1361
1984	0	0	0	6	29	315	268	324	127	22	0	0	1091
1985	0	0	2	48	67	169	321	210	190	25	0	0	1032
1986	0	0	10	30	112	295	447	167	192	20	0	0	1293
1987	0	0	0*	12	182	324	391	352	145	0	10	0	1416**
1988	0	0	0	0	75	295	426	473	161	9	0	0	1439
1989	0	0	3	42	49	246	367	320	111	34	0	0	1172
1990	0	0	26	37	22	287	367	269	193	13	0	0	1214

# Charleston data used, Effingham data missing

\* Mattoon data used, Effingham data missing

## Annual total calculated from Charleston and Effingham data

\*\* Annual total calculated from Mattoon and Effingham data

M One to nine days missing

## HEATING DEGREE DAYS

EFFINGHAM, ILLINOIS

YEAR	JUL	AGO	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	SEASONAL TOTAL
1900-1901							978	1,059	696	422	121	9	
01-02	0	0	44	262	750	1,143	998	1,144	568	377	53†	11K†	5,350M††
02-03	0	0	80	178	378	996	1,124	902	503	314	31	7	4,513
03-04	0†	6M†	86†	306†	746†	1,206†	1,313†	1,157†	727†	502†	107†	2†	6,158M†
04-05	3†	4†	39†	308†	645†	1,040†	1,300†	1,219†	540†	354†	72†	2K†	5,526M†
05-06	0†	0†	13†	321†	651†	998†	903†	1,013†	1,030M†	260†	118†	17†	5,324M†
06-07	0†	3†	10†	319†	711†	937†	947†	940†	505†	627†	257†	40†	5,296†
07-08	0†	0†	86M†	368†	763†	935†	1,036†	1,015†	553†	353†	144†	24†	5,277M†
08-09	0M†	0†	46†	326†	604M†	935M†	1,013†	812†	730†	380†	165†	6†	5,017M†
09-10	0†	0†	112†	421†	380†	1,262†	1,101†	1,201†	407†	368†	220†	63†	5,535†
10-11	0†	15M†	41†	263†	780†	1,156†	995†	794†	695†	411†	100†	0	5,250M††
11-12	3	4	18	322	812†	852	1,448	1,186	966	295	84	25	6,015††
12-13	0	7	98	279	655	961	953	1,016	800	383	101	22	5,275
13-14	0	0	98	353	488	857	922	1,169	811	361	116	7	5,182
14-15	0	0	57	238	563	1,184	1,220	734	874	247	170	15	5,302
15-16	7	34	57	284	575	1,054	1,005	1,058	790	428	112	28	5,432
16-17	0	5	115	313†	579	1,083	1,058	1,031	660	434	295	47	5,620††
17-18	0	15	76	543†	670	1,307†	1,592†	897†	585M†	494	97	8	6,284M††
18-19	1	0	156	172	631	735	941	830	610	294	169	0	4,539
19-20	0	0	14	202	665	1,155	1,224	935	651	462	131	9	5,448
20-21	0	10	29	129	680	940	868	720	377	248	123	1	4,125
21-22	0	0	5	255	554	858	1,137	820	582	260	28	0	4,499
22-23	0	0	19	215	550	930	866	1,013	739	365	125	12	4,834
23-24	0	8	52	367	582	661	1,240	929	839	292	238	15	5,223
24-25	7	0	113	145	609	1,131	1,097	679	496	165	202	0	4,644
25-26	2	0	9	541	709	1,074	1,059	794	658	489	76	14	5,625
26-27	0	0	32	298	743	1,044	1,106	656	578	273	118	9	4,857
27-28	0	5	47	187	501	1,038	1,028	881	690	471	97	42	4,987
28-29	0	0	151	251	634	921	1,216	1,074	511	265	212	28	5,263
29-30	0	2	77	307	762	1,028	1,316	666	728	275	72	23	5,256
30-31	2	0	31	362	601	984	929	722	827	321	193	23	4,995
31-32	0	0	28	211	400	723	828	699	891	296	113	1	4,190
32-33	0	0M†	50	287	794	1,004	764	921	683	332	73	11	4,919M††
33-34	0	0	5	308	656	839	909	1,051	786	319	38	0	4,911
34-35	0	5	57	188	515	1,083	1,006	824	464	431	205	33	4,831
35-36	0	23	60	262	656	1,180	1,286	1,208	568	460	49	1	5,753
36-37	0	0	39	291	730	879	1,025	938	831	354	101	10	5,158
37-38	2	0	79	374	742	1,074	1,063	666	472	301	118	4	4,895
38-39	0	0	64	195	587	953	880	893	588	419	76	7	4,662
39-40	0	0	17	248	660	882	1,485	935	735	381	174	2	5,519
40-41	2	5	101	190	717	854	1,022	995	852	262	99	3	5,102
41-42	0	0	44	207	633	856	1,113	975	653	280	146	25	4,932
42-43	0	10	154	291	597	1,120	1,098	817	851	430	124	9	5,501
43-44	0	2	135	328	786	1,136	969	894	829	426	107	18	5,630
44-45	1	8	54	317	638	1,237	1,226	900	415	353	262	60	5,471

\* Mattoon data used, Effingham data missing

† Charleston data used, Effingham data missing

\*\* Seasonal total calculated from Mattoon and Effingham data

†† Seasonal total calculated from Charleston and Effingham data

^ Seasonal total calculated from Mattoon, Charleston, and Effingham data

M One to nine days missing

## HEATING DEGREE DAYS

EFFINGHAM, ILLINOIS

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	SEASONAL TOTAL
45-46	4	5	62	346	667	1,222	1,042	810	331	312	181	28	5,010
46-47	0	25	71	200	580	852	943	1,114	942	372	172	21	5,292
47-48	14	0	107	93	779	950	1,292	972	715	260#	149	1	5,332##
48-49	0	2	38	363	564	905	995	840	720	389	90	1	4,907
49-50	0	1	148	233	613	850	855	872	817	536	74	22	5,021
50-51	1	18	73	185	861	1,309	1,068	907	860M#	429	86	16*	5,813M^
51-52	1	0	74	233	821M	1,062M	946M	779	749	371	130	1	5,167M
52-53	0	2	79M	446	632	930	949	747M	649	466	122M	3M	5,025M
53-54	1	1	42M	200M	574M	930	999M	625	746M	180	193	12	4,503M
54-55	0	1	22	298M	631M	927	1,025M	815M	660M	164M	45M	27	4,615M
55-56	0	0	24	296	712M	995	1,108M	867M	668M	398M	144*	21	5,233M**
56-57	0	2M	56M	127*	704M*	861*	1,282*	790*	733*	369*	122*	0M	5,046M**
57-58	0*	1	81	390	691	815	1,100	1,139	856	355M	114	20	5,562M**
58-59	0	8	70	304	573M	1,160	1,211	869	662	400	75M*	4	5,356M**
59-60	0	0	25	260	797	796	961	994	1,119	248	167	0	5,367
60-61	0	0	8	223	585	1,088	1,118	766	553	445	168	14	4,968
61-62	0	2	41	219	616	1,009	1,233	802	772	358	11	2	5,065
62-63	0	0	76	198	599	1,074	1,321	1,071	534	214	102	4	5,193
63-64	0	9	24	77	510	1,314	1,025	942	742	268	33	4	4,948
64-65	0	4	55	324	509	994	1,027	888	916M	258	24	0	4,999M
65-66	0	6	44	293	509	742	1,220	917	621M	446*	169	7	4,974M**
66-67	0	0	72	370	572	963	983	968	560	248	191	11	4,938
67-68	4	16	95	302	742	939	1,178	1,059	618	315	169	8	5,445
68-69	0	2	17	310	635	1,025	1,155	877M	880	244	86	25	5,256M
69-70	0	0	37	322	688M	1,075	1,359	968	767	288	59	12	5,575M
70-71	0	0	35	264	726	879	1,212	919	732	291M	140	0	5,198M
71-72	1	2	30	88	588	787	1,126	937	634	345	80	18	4,636
72-73	7	3	35	312	737	1,048	1,031	855	437	332	126	0	4,923
73-74	0	0	26	166	516	1,040	1,032	811	549	269	115	21	4,545
74-75	0	0	149*	324*	664*	973*	1,023*	963	876	452	81	20	5,525**
75-76	12	0	172	312	570	998	1,249	765	563	355	221	4	5,221
76-77	1	4	112	537	919	1,220	1,712	1,045	573	255	68	22	6,468
77-78	0	1	34	392	626	1,158	1,481	1,344	997	339	232	14	6,618
78-79	0	5	59	415	570	1,000	1,564	1,331	759	450	200	11	6,364
79-80	2	11	101	370	732	933	1,120	1,257	901	450	129	30	5,036
80-81	0	0	78	456	732	1,034	1,238	941	767	238	251	5	5,740
81-82	2	2	98	402	587	1,145	1,429	1,138	714	501	27	28	6,073
82-83	0	13	81	331	631	762	1,079	837	709	512	181	24	5,160
83-84	2	0	81	273	566	1,418	1,290	836	959	420	183	2	6,030
84-85	0	0	120	198	690	815	1,374	1,103	608	276	78	24	5,286
85-86	0	3	96	213	562	1,270	1,095	940	660	260	91	3	5,193
86-87	0	25	25	289	750	1,001	1,154	806	636*	377	35	0	5,098**
87-88	0	0	31	498	522	894	1,247	1,098	721	360	65	17	5,453
88-89	0	5	27	474	649	997	887	1,080	705	408	219	9	5,460
89-90	0	1	107	259	678	1,404	821	777	601	446	135	11	5,240
90-91	7	3	54	361	490	971							

\* Mattoon data used, Effingham data missing

# Charleston data used, Effingham data missing

\*\* Seasonal total calculated from Mattoon and Effingham data

## Seasonal total calculated from Charleston and Effingham data

^ Seasonal total calculated from Mattoon, Charleston, and Effingham data

M One to nine days missing

PRECIPITATION

EFFINGHAM, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
1901	1.38	2.16	3.32	2.16	1.29	3.97	1.32	1.09	.40	1.20	1.80	3.00	23.09
1902	.87	.40	1.30	3.45	4.02	6.71	2.61	4.98	3.44	2.03	2.81	3.40	36.02
1903	2.10	3.55	3.50	2.28	.68	4.57	5.39*	6.73*	2.33*	1.29*	1.06*	2.78*	36.26**
1904	3.92†	1.20†	9.42†	1.20	5.25	3.21	5.50	3.95*	3.98	.27	.26	2.28	40.44^
1905	2.10	2.09	2.67	3.62	3.77	2.59	3.89	2.89	2.31†	5.53†	1.57*	1.73*	34.76^
1906	2.71*	1.22*	4.80†	1.32†	3.12†	2.98†	2.92†	1.96†	4.16†	1.41†	4.34†	3.68†	34.64†*
1907	4.72†	.34†	4.42†	2.35†	2.79†	3.75†	7.10†	3.59†	.72†	2.19†	2.60†	3.42†	37.99†
1908	1.28†	5.10†	3.05†	3.60†	6.96†	3.42†	2.94†	.85†	1.10†	.16†	3.51†	1.38†	33.37†
1909	2.18†	4.59†	2.05†	7.83†	3.24†	4.04†	9.05†	1.12†	3.35†	2.80†	3.14†	2.63†	46.02†
1910	2.01†	2.92†	.40†	2.09†	3.84†	2.43†	7.37†	3.75†	3.81†	4.53†	3.42†	1.14†	37.71†
1911	3.46†	1.62†	2.31†	5.30†	.52†	3.51	1.01	5.00	13.64	4.19	2.23	2.12	44.91††
1912	.95	1.70	4.38	6.61	2.84	3.72	8.65	5.86	2.22	1.97	1.55	.83	41.28
1913	6.10	.98	6.30	2.12	.58	1.27	1.34	4.92	2.30	4.37	6.47	.63	37.38
1914	2.08	2.82	1.10	1.79	1.37	1.33	1.53	2.72	2.89	3.77	1.19	2.20	24.79
1915	2.72	2.73	.82	1.38	11.40	5.90	5.36	10.25	3.45	1.00	3.18	4.05	52.24
1916	8.05	1.29	1.67	1.25	2.73	6.57	.62	2.32	1.74	2.99	1.73	2.84	33.80
1917	2.38	.44	2.11	5.57	6.26	5.33	1.55	3.62	.54	4.03	.68	.64	33.15
1918	2.15†	2.57†	1.03†	7.25	4.39	3.80	4.38	6.08	6.24	2.43	2.62	4.90	47.84††
1919	.70	1.85	3.51	1.35	6.32	8.18	.69	2.52	2.67	9.60	3.80	.92	42.11
1920	1.71	1.84	3.63	3.26	7.90	1.62	3.72	4.42	2.82	3.08	.68	3.68	38.36
1921	1.61	.74	6.62	3.44	2.60	4.10	.33	4.95	5.88	.95	2.11	3.34	37.07
1922	1.21	1.17	8.80	8.91	2.65	2.21	4.56	2.85	.46	3.02	2.11	4.01	41.96
1923	2.51	1.29	4.48	4.09	4.65	4.31	5.11	5.91	3.64	3.07	1.83	4.13	45.02
1924	2.45	1.92	2.14	1.10	7.09	3.51	1.70	3.14	4.33	.68	2.45	4.14	34.65
1925	.71	1.19	2.57	1.35	1.79	5.60	1.56	4.00	2.30	3.01	4.56	1.76	30.40
1926	1.72	2.46	3.26	2.93	1.89	2.59	1.31	3.01	9.33	5.89	4.16	1.87	40.42
1927	3.71	1.41	6.83	8.55	9.84	4.60	4.29	5.46	4.39	6.17	5.54	4.39	65.18
1928	2.34	4.14	1.55	2.57	4.04	8.15	3.24	7.13	1.51	3.75	2.07	3.61	44.10
1929	3.98	1.08	4.54	7.90	10.01	4.99	3.90	2.52	1.31	4.91	2.62	5.37	53.13
1930	8.32	2.78	1.42	2.40	2.14	3.17	1.21	1.27	4.94	2.35	2.00	.98	32.98
1931	.23	1.90	3.12	2.08	2.82	3.40	2.88	5.09	4.76	5.25	5.85	4.25	41.63
1932	3.72	.92	1.91	1.73	1.12	5.65	3.17	6.49	4.41	2.76	3.53	4.25	39.66
1933	2.80	3.06	7.49	5.03	8.92	1.12	.87	3.48	2.29	2.64	.75	1.98	40.43
1934	1.89	1.07	3.46	2.08	.76	2.54	6.11	6.91	4.87	1.41	6.18	1.85	39.13
1935	2.58	.71	5.85	1.66	10.11	4.05	2.38	.41	3.46	2.94	5.16	1.26	40.57
1936	1.45	2.31	2.72	4.02	1.28	1.12	4.55	1.44	5.65	3.11	3.60	2.40	33.65
1937	5.62	1.80	1.63	4.64	2.32	7.34	2.56	3.29	2.43	4.40	1.65	1.84	39.52
1938	1.64	3.70	10.53	2.43	4.74	3.71	6.17	4.06	2.57	1.15	2.87	2.10	45.67
1939	5.28	5.34	2.96	5.25	1.30	5.33	1.82	6.71	.90	1.16	2.22	1.81	40.08
1940	1.96	1.45	2.15	6.22	4.00	4.16	1.54	1.59	.32	3.20	3.15	2.70	32.44
1941	1.53	.54	.58	3.70	2.21	5.77	1.28	3.17	3.77	8.83	3.62	.99	35.99
1942	1.37	2.99	3.51	2.63	3.86	10.78	5.35	5.07	1.30	2.78	5.50	1.72	46.86
1943	.44	.74	2.35	3.85	12.89	4.56	5.71	.02	1.35	2.55	2.95	2.08	39.49
1944	.10	1.69	2.45	5.55	3.57	.86	1.37	5.83	3.46	.48	2.29	1.74	29.39
1945	.91	2.51	10.32	4.56	5.12	11.18	.74	4.53	6.15	2.84	3.13	1.78	53.77

\* Mattoon data used, Effingham data missing  
† Charleston data used, Effingham data missing  
\*\* Annual total calculated from Mattoon and Effingham data  
†† Annual total calculated from Charleston and Effingham data  
^ Annual total calculated from Effingham, Mattoon, and Charleston data  
†\* Annual total calculated from Charleston and Mattoon data  
M One to nine days missing

PRECIPITATION

EFFINGHAM, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
1946	1.60	3.04	2.70	2.76	12.52	3.62	3.16	5.40	2.19	3.33	6.23	2.27	48.62
1947	2.85	.23	1.63	6.14	3.34	4.33	.54	3.03	3.25	4.62	2.20	2.50	34.66
1948	.76	1.66	5.72	1.53#	4.93	4.33	4.95	2.03	2.17	3.34	4.63	2.70	38.75##
1949	6.43	2.76	2.73	1.91	3.36	4.59	2.23	4.31	3.24	7.95	.39	3.92	43.82
1950	9.99	4.77	3.04	4.15	2.38	4.17	5.42	5.01	3.40	1.33	4.10	1.60	49.36
1951	1.64	3.77	2.43*	2.84	1.66	8.07	3.17	1.73	2.79	2.82	4.00	2.44	37.36**
1952	1.12	1.86	4.76	4.81	2.30	2.68	4.15	1.36	2.84	.29	2.78	1.81	30.76
1953	1.71	1.86	4.46	2.98	3.10	3.24	3.96	.91	1.86	1.93	.77	1.21	27.99
1954	2.13	1.60	1.48	2.06	3.60	1.35	3.28	2.86	2.58	3.87	.77	2.00	27.58
1955	2.86	2.65M	3.58	2.73M	4.37	4.68	5.22	1.18	8.85	5.65	3.82	.71	46.30M
1956	1.26	5.78	1.17	4.34	4.42	3.69	6.47	4.26	2.71	.73	2.89	4.63	42.35
1957	2.43	2.38	2.96	8.36	5.63	12.47	2.48*	2.90	1.78	4.71	3.81	5.67	55.58**
1958	2.20	.63	1.99	2.88	3.93	5.35	7.76	.77	4.07	1.08	5.33	.25	36.24
1959	2.60	3.59	2.08	1.29M	3.94M	.62	3.76	3.73	3.42	2.47	3.73	2.78	34.01M
1960	2.15	2.88	2.24	2.40	3.85	4.75	2.66	1.05	.36	1.91	3.47	2.72	30.44
1961	1.04	2.44	5.36	3.79	8.08	3.75	6.86	2.16	3.60	2.14	3.64	3.40	46.26
1962	5.50	2.51	4.10	1.96M	5.32	4.02	1.96	3.65	.69	2.97	1.77	1.90	36.35M
1963	.57	.45	7.65	1.69	3.79	1.61	3.73	1.75	.78	1.25	3.49	.89	27.65
1964	1.75	1.83	4.10	3.72	1.16	3.06	2.15	1.67	1.30	.45	3.81	2.44	27.44
1965	2.29	2.58	2.16	3.13	2.34	6.87	2.36	3.82	5.36	1.89	1.09	2.55	36.44
1966	2.26	2.24	.90	6.59*	3.95	1.77	2.11	1.58	6.54	1.64	4.21	4.00	37.79**
1967	1.57	1.67	4.76	3.20	5.32	5.52	4.50	2.16	2.21	3.92	1.93	9.89	46.65
1968	2.33	1.48	2.46	2.63	6.60	2.78	3.96	2.89	2.01	1.07	5.29	2.62	36.12
1969	4.88	1.05	2.49	6.12	3.23	6.79	5.44	2.35	6.61	3.24	2.07	2.13	46.40
1970	1.16	1.38	1.98	7.71	1.77	12.21	2.01	1.40	6.05	4.09	1.91	1.01	42.68
1971	.83	4.03	1.28	1.05	3.66	5.30	4.46	.45	4.65	.95	.49	6.93	34.08
1972	.50	.66	1.01	6.32	.93	.78	2.80	4.77	3.24	1.68	7.10	4.25	34.04
1973	1.60	.70	7.68	4.73	3.00	7.50	5.32	6.66	1.53	3.14	5.26	5.64	52.76
1974	3.62	3.14	4.10	4.63	7.34	4.67	1.52	4.59	4.01*	1.46*	2.23*	2.24*	43.55**
1975	4.69*	3.70	4.41	3.40	4.97	4.49	4.12	3.93	2.10	2.58	3.19	2.82	44.40**
1976	1.51	1.81	4.94	.90	3.24	1.10	6.08	1.22	2.80	4.36	.39	.30	28.65
1977	1.30	3.02	5.62	2.85	2.24	4.59	2.58	2.87	3.32	2.63	3.05	4.35	38.42
1978	1.41	.67	5.42	3.07	5.25	3.72	3.27	4.33	1.03	1.98	4.58	3.74	38.47
1979	3.68	1.69	6.27	6.10	1.63	3.23	9.59	1.96	.55	2.70	3.24	2.18	42.82
1980	.80	1.47	4.40	1.97	3.04	5.29	6.16	3.17	6.17	2.12	1.58	.49	36.66
1981	.33	3.00	1.13	4.08	6.04	2.70	7.61	5.30	1.62	2.47	1.50	2.30	38.08
1982	4.86	2.37	3.83	2.43	4.78	4.98	5.09	2.72	4.57	3.58	3.71	7.25	50.17
1983	.81	1.17	2.91	4.54	5.92	6.67	.73	.44	1.06	7.76	5.72	4.88	42.61
1984	.82	3.34	2.96	7.16	4.44	.94	1.13	1.21	8.63	4.39	4.93	4.77	44.72
1985	1.85	5.12	5.42	2.07	2.82	6.87	1.82	5.73	.19	.94	10.36	2.38	45.57
1986	.05	2.51	1.89	2.61	2.57	1.41	9.16	1.92	1.96	5.73	1.60	1.99	33.40
1987	3.17	1.03	1.61	3.14	3.17	3.35	6.15	1.21	2.30	1.82	4.68	7.18	38.81
1988	3.47	5.07	3.77	1.21	1.76	.59	3.40	.91	1.64	2.93	6.70	2.65	34.10
1989	1.82	1.81	5.26	3.60	5.79	3.17	3.74	2.25	6.11	1.35	2.07	.87	37.84
1990	1.61	5.95	2.85	4.32	8.81	6.08	4.30	4.29	1.40	5.24	4.22	8.89	57.96

\* Mattoon data used, Effingham data missing

# Charleston data used, Effingham data missing

\*\* Annual total calculated from Mattoon and Effingham data

## Annual total calculated from Charleston and Effingham data

^ Annual total calculated from Effingham, Mattoon, and Charleston data

## Annual total calculated from Charleston and Mattoon data

M One to nine days missing

## SNOWFALL

EFFINGHAM, ILLINOIS

YEAR												SEASONAL	
	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1900-1901							2.0	8.3	1.0	T	.0	.0	
01-02	.0	.0	.0	.0	.0	3.5	5.0	1.5	.0	T	.0	.0	10.0
02-03	.0	.0	.0	.0	.0	3.0	7.0	11.2	1.0	T	.0	.0	22.2
03-04	.0*	.0*	.0*	.0*	.7*	4.3*	19.9#	1.7#	1.1#	T	.0	.0	27.7*
04-05	.0	.0*	.0	.0	.0	8.0	7.5#	9.9#	T#	.0#	.0#	.0#	25.4*
05-06	.0#	.0	.0#	.0#	T#	1.3#	1.3#	5.9#	18.5#	.0#	.0#	.0#	27.0##
06-07	.0#	.0#	.0#	.0#	.0#	1.3#	2.6#	2.8#	5.0#	T#	.0#	.0#	11.7#
07-08	.0#	.0#	.0#	.0#	.1#	5.2#	1.8#	24.0#	T#	.0#	.0#	.0#	31.1#
08-09	.0#	.0#	.0#	.0#	.6#	2.5#	13.1#	5.3#	.1#	.1#	T#	.0#	21.7#
09-10	.0#	.0#	.0#	.0#	.0#	12.2#	2.5#	14.1#	.0#	2.0#	.0#	.0#	30.8#
10-11	.0#	.0#	.0#	.1#	.1#	1.8#	3.1#	2.1#	.4#	.0#	.0#	.0	7.6##
11-12	.0	.0	.0	T	.1	.0	6.3	10.0	11.0	.5	.0	.0	27.9
12-13	.0	.0	.0	.0	T	T	.5	4.7	5.3	.0	.0	.0	10.5
13-14	.0	.0	.0	T	T	.5	1.3	18.2	2.5	T	.0	.0	22.5
14-15	.0	.0	.0	.0	.0	8.1	7.9	T	.5	.0	.0	.0	16.5
15-16	.0	.0	.0	.0	T	6.6	.5	7.5	4.6	.5	.0	.0	19.7
16-17	.0	.0	.0	T	.2	5.0	1.0	T	.2	.5	.0	.0	6.9
17-18	.0	.0	.0	T	.3	2.5	16.1#	.0#	.0#	T	.0	.0	18.9##
18-19	.0	.0	.0	.0	.0	1.3	.3	.2	1.8	.0	.0	.0	3.6
19-20	.0	.0	.0	.0	.0	T	5.8	.1	1.5	.2	.0	.0	7.6
20-21	.0	.0	.0	.0	T	4.7	2.2	.3	.0	T	.0	.0	7.2
21-22	.0	.0	.0	.0	T	2.0	2.3	T	2.3	.0	.0	.0	6.6
22-23	.0	.0	.0	.0	4.3	1.5	.2	4.1	T	.0	.0	.0	10.1
23-24	.0	.0	.0	.0	.0	.0	2.6	1.5	7.4	.2	.0	.0	11.7
24-25	.0	.0	.0	.0	.2	1.5	7.4	2.7	2.0	.0	.0	.0	13.8
25-26	.0	.0	.0	.2	T	.9	4.2	.2	2.5	.0	.0	.0	8.0
26-27	.0	.0	.0	.0	1.5	7.7	4.0	4.5	3.3	T	.0	.0	21.0
27-28	.0	.0	.0	.0	2.0	1.5	2.0	3.0	.0	T	.0	.0	8.5
28-29	.0	.0	.0	.0	.0	1.0	3.0	4.7	T	.0	.0	.0	8.7
29-30	.0	.0	.0	T	.5	15.5	14.5	1.5	7.0	.0	.0	.0	39.0
30-31	.0	.0	.0	.0	T	.5	T	T	7.5	.0	.0	.0	8.0
31-32	.0	.0	.0	.0	1.5	.0	T	T	T	.0	.0	.0	1.5
32-33	.0	.0	.0	.0	5.5	2.0	.0	.5	.5	.0	.0	.0	8.5
33-34	.0	.0	.0	.0	.0	1.5	.1	7.0	5.0	.0	.0	.0	13.6
34-35	.0	.0	.0	.0	.0	7.0	.5	.5	.0	.0	.0	.0	8.0
35-36	.0	.0	.0	.0	T	5.0	8.0	2.0	4.0	T	.0	.0	19.0
36-37	.0	.0	.0	.0	T	4.0	5.0	.5	11.0	.0	.0	.0	20.5
37-38	.0	.0	.0	T	.5	T	.8	2.0	.0	.0	.0	.0	3.3
38-39	.0	.0	.0	.0	6.0	.0	9.5	10.0	T	.0	.0	.0	25.5
39-40	.0	.0	.0	.0	.0	12.5	6.5	2.0	1.0	2.0	.0	.0	24.0
40-41	.0	.0	.0	.0	T	T	2.8	3.3	T	.0	.0	.0	6.1
41-42	.0	.0	.0	.0	1.5	1.9	.3	6.5	6.4	.0	.0	.0	16.6
42-43	.0	.0	.0	T	T	12.4	2.7	.3	2.2	.1	T	.0	17.7
43-44	.0	.0	.0	T	.1	7.7	T	3.8	1.3	.0	.0	.0	12.9
44-45	.0	.0	.0	.0	1.0	5.9	5.8	7.5	T	T	.0	.0	20.2

\* Mattoon data used, Effingham data missing

# Charleston data used, Effingham data missing

\*\* Seasonal total calculated from Mattoon and Effingham data

## Seasonal total calculated from Charleston and Effingham data

^ Seasonal total calculated from Mattoon, Charleston and Effingham data

T Trace, and amount too small to measure

N One to nine days missing



SNOWFALL

EFFINGHAM, ILLINOIS

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	SEASONAL TOTAL
45-46	.0	.0	.0	.0	1.0	7.2	4.8	1.2	T	T	.0	.0	14.2
46-47	.0	.0	.0	.0	T	1.3	.7	2.4	3.8	.0	.0	.0	8.2
47-48	.0	.0	.0	.0	.3	.9	3.6	8.3	3.4	.0 <sup>f</sup>	.0	.0	16.5 <sup>##</sup>
48-49	.0	.0	.0	.0	T	4.1	.7	T	2.0	.5	.0	.0	7.3
49-50	.0	.0	.0	.0	T	.8	T	.2	T	T	.0	.0	1.0
50-51	.0	.0	.0	.0	4.1	16.1	5.5	1.8	7.6*	T	.0	.0	35.1 <sup>**</sup>
51-52	.0	.0	.0	.0	.0	5.0	.0 <sup>M</sup>	.0	.8	T	.0	.0	5.8 <sup>M</sup>
52-53	.0	.0	.0	.0	1.0	4.0	2.2	T	6.2	T	.0	.0	13.4
53-54	.0	.0	.0	.0	T	.4	.0 <sup>M</sup>	.0	.0 <sup>M</sup>	.0	.0	.0	.4 <sup>M</sup>
54-55	.0	.0	.0	.0	.0	3.1	1.4	.5	4.0	.0	.0	.0	9.0
55-56	.0	.0	.0	.0	.5	.0	6.5	5.3 <sup>M</sup>	3.4	.0	.0	.0	15.7 <sup>M</sup>
56-57	.0	.0	.0	.0	1.5	T	7.6	T	1.5	.1	.0	.0	10.7
57-58	.0	.0	.0	.0	T	1.0	4.5	1.3	4.5	.0	.0	.0	11.3
58-59	.0	.0	.0	.0	5.5	T	1.1	T	.3	.0	.0	.0	6.9
59-60	.0	.0	.0	.0	1.8	.4	.2	13.9	16.4	T	.0	.0	32.7
60-61	.0	.0	.0	.0	T	8.3	5.2	10.4	.1	.6	.0	.0	24.6
61-62	.0	.0	.0	.0	.6	9.0	13.7	5.5	4.0	T	.0	.0	32.8
62-63	.0	.0	.0	.0	T	1.6	4.2	3.9	1.2	.0	.0	.0	10.9
63-64	.0	.0	.0	.0	T	8.8	9.5	8.4	5.3	.0	.0	.0	32.0
64-65	.0	.0	.0	.0	1.8	1.0	8.0	11.9	12.7	.0	.0	.0	35.4 <sup>^</sup>
65-66	.0	.0	.0	.0	.0	T	.2	7.4	.7	.0	.0	.0	6.3
66-67	.0	.0	.0	.0	T	.3	1.0	4.6	2.2	.0	.0	.0	8.1
67-68	.0	.0	.0	.0	4.0	5.0	10.7	2.0 <sup>M</sup>	4.5	.0	.0	.0	26.2 <sup>M</sup>
68-69	.0	.0	.0	.0	T	.5	3.0	T	T	.0	.0	.0	3.5
69-70	.0	.0	.0	.0	4.0	15.0	9.5	7.0	1.5	.0	.0	.0	37.0
70-71	.0	.0	.0	.0	T	.5	3.0	4.0	T	T	.0	.0	7.5
71-72	.0	.0	.0	.0	T	.0	5.1	2.0	T	.0	.0	.0	7.1
72-73	.0	.0	.0	.0	T	.3	4.0	3.0	T	3.0	.0	.0	10.3
73-74	.0	.0	.0	.0	.0	25.5	5.5	5.0	4.0	.0	.0	.0	40.0
74-75	.0	.0	.0	.0*	2.0*	1.5*	5.0*	2.7	4.0	T	.0	.0	15.2 <sup>**</sup>
75-76	.0	.0	.0	.0	6.5	4.0	2.0	1.3*	3.0	.0	.0	.0	16.8 <sup>**</sup>
76-77	.0	.0	.0	.0	T	2.4	19.3	4.4	5.6	T	.0	.0	31.7
77-78	.0	.0	.0	.0	2.2	6.2	12.6	2.4	17.2	.0	.0	.0	40.6
78-79	.0	.0	.0	.0	.0	.4	23.7	6.5	1.2	.0	.0	.0	31.8
79-80	.0	.0	.0	.0	1.0	T	7.4	10.4	9.5	1.0	.0	.0	29.3
80-81	.0	.0	.0	.0	13.5	1.7	1.1	5.8	T	.0	.0	.0	22.1
81-82	.0	.0	.0	.0	T	3.8	14.9	12.5	.3	1.3	.0	.0	32.8
82-83	.0	.0	.0	.0	.2	T	3.6	.9	1.8	T	.0	.0	6.5
83-84	.0	.0	.0	.0	.0	6.6	3.4	10.6	5.1	.0	.0	.0	25.7
84-85	.0	.0	.0	.0	2.0	2.8	11.0	6.0	.0	T	.0	.0	21.8
85-86	.0	.0	.0	.0	.0	6.0	.0	6.0	T	.0	.0	.0	12.0
86-87	.0	.0	.0	T	T	T	22.7	.0	.0	.0	.0	.0	22.7
87-88	.0	.0	.0	.0	.0	5.0	.0	8.0	.6	.0	.0	.0	13.6
88-89	.0	.0	.0	.0	.0	4.0*	2.0	2.5*	.0	.0	.0	.0	8.5 <sup>**</sup>
89-90	.0	.0	.0	.0	.0	11.2	.0	3.0	12.0	.0	.0	.0	26.2
90-91	.0	.0	.0	.0	.0	13.0							

\* Mattoon data used, Effingham data missing

<sup>f</sup> Charleston data used, Effingham data missing

\*\* Seasonal total calculated from Mattoon and Effingham data

<sup>##</sup> Seasonal total calculated from Charleston and Effingham data

<sup>^</sup> Seasonal total calculated from Mattoon, Charleston and Effingham data

T Trace, and amount too small to measure

<sup>M</sup> One to nine days missing

#### EFFINGHAM STATION HISTORY

Systematic daily weather observations have been taken in Effingham since 1898, first under the auspices of the Signal Corps, followed by the U. S. Weather Bureau and the National Weather Service. Effingham has one of the earliest weather records in the state, consisting of daily high and low temperature, precipitation, snowfall and snow on the ground.

The Effingham Cooperative weather station is one of about 170 such observing sites in Illinois under the direction of the National Weather Service. The Effingham data as well as other climatological data and information are available from either:

Illinois State Water Survey  
ATTN: STATE CLIMATOLOGIST  
2204 Griffith Dr.  
Champaign II, 61820  
217-333-2210

National Climatic Data Center  
Federal Bldg.  
Asheville NC 28801  
704-259-0682