

DEPARTMENT OF REGISTRATION AND EDUCATION
STATE OF ILLINOIS

ILLINOIS STATE WATER SURVEY
URBANA, ILLINOIS



LOCAL CLIMATOLOGICAL DATA

URBANA 1889-1970

Narrative Climatological Summary

Urbana has a temperate continental climate with characteristics reflecting its geographical position in Illinois. Urbana's climate is representative of the conditions found in East Central Illinois, which is primarily an area of climatic transition between the northern and southern sectors of the state.

Urbana's winters are not severe, but have occasional cold periods. January is normally the coldest month of the year, with a monthly mean temperature of 26.5 degrees. Snowfall during the winter averages almost 22 inches, but most of the winter precipitation occurs as rain. February has an average of 5.3 inches of snow each year, making it the snowiest month.

The typical summer is hot and humid, with an average of 25 days having temperatures of 90 degrees or higher. July is normally the warmest month, with an average mean temperature of 74.5 degrees.

Of major importance agriculturally is the relationship between precipitation and temperature. Almost 63 percent of the annual precipitation falls during the growing season (which averages 181 days) with good dependability of this amount occurring from year to year. June and May are normally the wettest months, with rainfall averages of 3.99 and 3.97 inches, respectively.

AVERAGE TEMPERATURE

YEAR	JAN	FEB	MAR	APR	HAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1889	28.6	23.5	40.0	50.8	58.3	65.0	72.0	68.8	62.2	47.7	36.9	42.2	49.7
1890	33.4	35.1	32.9	51.9	58.1	74.1	72.5	68.1	60.3	52.3	42.4	31.0	51.0
1891	31.5	32.3	32.6	52.3	57.5	71.7	69.5	71.2	69.3	51.8	35.9	36.6	51.0
1892	18.2	33.5	37.7	47.7	57.6	71.4	73.3	72.0	65.0	53.7	34.9	27.0	49.3
1893	14.7	26.9	38.5	49.7	58.1	71.3	77.4	72.0	67.8	53.8	39.0	29.2	49.9
1894	30.0	24.8	44.2	51.9	59.6	73.0	73.9	73.1	66.6	53.3	36.0	34.0	51.7
1895	19.4	17.9	37.5	52.7	62.4	73.3	71.1	74.0	68.7	46.5	37.8	31.3	49.4
1896	27.9	29.7	33.9	57.4	68.2	71.1	74.0	73.1	62.8	50.0	40.4	34.1	51.9
1897	22.3	30.5	40.1	49.4	57.1	69.2	75.9	70.5	70.3	59.3	40.6	26.9	51.0
1898	31.5	29.9	43.1	48.6	60.3	72.4	75.2	73.0	68.9	52.1	37.1	26.9	51.6
1899	25.9	18.4	32.8	53.0	63.0	73.0	74.2	75.4	64.2	58.3	43.6	27.4	50.8
1900	30.5	22.9	33.4	51.8	63.4	69.8	74.7	78.5	68.6	61.0	40.5	30.8	52.2
1901	28.5	21.0	38.5	49.1	59.8	73.1	80.2	74.5	66.5	55.1	36.5	24.2	50.6
1902	25.5	17.2	41.6	48.2	65.7	68.5	75.0	70.2	62.6	56.3	47.2	26.8	50.4
1903	24.1	26.0	44.5	51.1	64.2	65.7	75.1	71.7	65.8	54.4	36.4	22.4	50.1
1904	18.1	21.9	38.8	45.6	61.5	69.0	72.9	70.6	66.3	53.3	42.3	27.9	49.0
1905	19.4	17.1	44.3	50.9	62.8	71.3	73.0	75.0	67.7	52.6	39.8	30.0	50.3
1906	32.6	27.6	29.4	54.3	62.5	69.1	73.4	75.6	69.3	53.3	40.5	32.8	51.7
1907	31.3	29.3	46.8	42.7	55.6	67.0	74.4	71.1	65.2	51.6	37.9	32.3	50.4
1908	29.1	27.0	43.3	50.6	62.2	69.5	74.1	73.1	69.4	54.3	42.7	32.3	52.3
1909	28.6	33.1	38.4	49.5	59.0	70.5	71.3	75.7	63.6	49.3	50.0	20.4	50.8
1910	27.2	25.6	50.6	52.2	57.2	69.7	74.9	71.3	66.0	57.2	36.9	25.8	51.2
1911	29.7	33.9	40.0	48.7	67.6	74.6	75.1	73.3	68.0	53.5	35.3	33.6	52.8
1912	14.2	21.8	30.7	52.3	64.1	67.8	74.5	71.6	67.9	56.5	42.1	33.4	49.7
1913	31.1	24.6	37.3	51.6	63.2	74.1	78.5	77.7	66.5	53.0	47.8	36.6	53.5
1914	33.9	20.6	37.3	51.2	63.8	74.5	78.3	75.2	65.2	57.6	44.5	22.4	52.0
1915	23.6	36.4	35.4	56.4	58.6	67.9	72.2	67.3	68.0	55.5	44.6	29.2	51.3
1916	30.0	26.7	37.0	49.2	61.9	66.0	80.2	76.8	64.5	54.7	43.9	27.7	51.6
1917	28.8	23.9	41.6	48.1	55.5	67.4	73.4	70.9	63.3	45.9	43.0	21.6	48.6
1918	12.0	30.3	46.9	46.6	64.9	70.3	71.9	77.3	58.9	57.3	42.3	38.2	51.4
1919	31.4	31.7	42.1	52.0	59.5	74.1	77.6	71.9	69.2	59.2	39.8	24.0	52.6
1920	20.4	29.0	40.8	45.1	60.1	71.5	73.5	71.4	68.6	59.8	40.1	31.3	51.0
1921	33.4	35.7	49.1	54.1	64.4	75.7	80.1	71.8	70.2	54.7	42.4	33.8	55.5
1922	24.2	32.0	42.6	52.7	65.5	73.2	74.1	74.1	69.8	58.1	43.3	31.2	53.4
1923	32.4	24.7	36.5	49.7	60.1	72.0	75.9	72.2	65.5	51.2	42.9	40.1	51.9
1924	20.3	29.4	35.6	53.0	55.5	68.6	72.0	73.3	61.2	60.0	42.3	24.4	49.6
1925	24.8	35.5	42.4	57.6	59.2	74.5	75.6	73.6	72.4	45.5	38.9	27.2	52.3
1926	27.7	33.6	33.5	44.9	64.4	67.4	76.1	75.6	66.6	53.7	37.3	28.0	50.7
1927	25.4	38.1	43.6	51.8	60.4	66.7	73.6	67.6	70.2	59.0	45.3	28.4	52.5
1928	27.7	32.4	39.9	47.2	62.0	65.5	75.1	74.3	62.0	57.5	42.6	33.6	51.7
1929	21.7	23.7	46.7	54.3	58.7	68.8	75.1	70.9	65.1	53.3	36.8	29.0	50.3
1930	21.1	39.6	38.8	54.9	63.6	70.6	78.4	76.1	69.1	53.2	42.4	31.2	53.3
1931	32.7	37.6	36.2	52.8	59.1	74.2	78.5	74.7	72.4	59.3	50.2	39.5	55.6
1932	36.1	38.0	33.3	52.9	63.5	73.1	77.0	74.4	65.9	54.5	35.8	29.6	52.8
1933	37.9	29.0	40.1	51.8	63.7	78.1	78.5	73.2	72.5	53.3	40.6	34.5	54.4
1934	33.1	24.8	35.4	52.1	67.6	78.8	81.0	74.2	64.7	58.1	46.2	28.0	53.7
1935	29.4	33.3	46.7	49.0	56.6	67.8	78.0	74.6	66.6	55.5	40.6	25.2	51.9
1936	20.3	19.3	43.3	48.0	65.7	72.1	83.3	79.2	70.2	55.0	38.7	34.3	52.5
1937	28.6	28.8	37.5	50.6	63.0	70.7	74.5	76.8	65.7	52.2	38.2	28.1	51.2
1938	27.9	38.0	47.9	53.5	61.9	70.1	76.2	76.0	68.9	60.2	44.1	31.5	54.7
1939	33.7	30.5	42.2	48.0	65.6	73.1	75.7	72.9	71.8	57.0	41.8	34.8	53.9
1940	14.5	30.7	37.2	49.6	58.7	72.8	76.3	75.1	66.4	60.2	39.8	35.7	51.4
1941	30.0	27.5	36.3	56.6	66.3	73.0	75.4	74.7	69.7	51.9	44.0	37.6	54.2
1942	28.1	27.6	43.4	55.9	62.6	71.9	76.6	72.8	65.3	56.0	44.6	25.3	52.5
1943	28.3	33.5	36.8	50.0	61.1	75.0	77.5	76.2	63.3	55.6	38.4	28.5	52.0
1944	33.5	32.3	36.7	50.1	67.5	76.3	75.8	74.3	67.2	55.6	44.0	24.4	53.1
1945	23.1	33.0	51.4	52.6	57.6	68.1	73.5	73.2	66.9	53.3	41.9	23.6	51.5
1946	29.0	33.6	52.0	54.9	58.9	71.5	75.1	70.3	67.2	60.7	45.7	36.3	54.6
1947	32.3	24.5	34.3	51.6	59.1	69.0	72.9	81.1	68.1	63.6	37.7	33.5	52.3
1948	23.4	30.1	40.2	56.1	61.4	73.0	75.5	74.3	68.8	53.0	44.8	34.2	52.9
1949	30.7	32.4	41.0	51.2	65.8	75.0	79.0	74.6	62.7	59.2	43.8	36.4	54.3
1950	34.6	30.4	36.7	46.3	64.9	71.0	73.2	70.1	65.7	60.5	36.3	21.5	50.9
1951	29.1	30.6	38.1	48.6	64.4	68.9	74.1	72.1	63.1	57.3	34.8	29.4	50.9
1952	30.6	35.9	38.7	53.5	62.0	77.7	77.5	72.7	67.3	51.1	43.7	34.5	53.8
1953	32.9	36.3	42.8	49.3	64.4	77.4	76.5	74.8	68.5	59.9	44.4	33.3	55.0
1954	30.5	40.3	38.1	57.6	59.2	76.6	79.2	74.2	71.5	56.8	43.4	33.3	55.1
1955	28.0	31.7	41.0	58.8	65.1	68.2	80.1	77.2	69.8	56.3	37.9	28.8	53.6
1956	27.5	31.9	40.3	49.8	63.9	74.1	73.0	73.6	65.6	62.0	40.8	35.7	53.2
1957	22.0	35.9	40.5	52.4	62.1	72.4	76.9	74.4	64.8	52.5	40.8	35.6	52.5
1958	27.9	23.4	36.6	52.9	63.6	66.6	73.3	73.9	66.6	56.5	44.4	24.5	50.9
1959	22.6	30.6	40.5	52.4	66.6	74.1	76.1	78.4	68.9	53.7	34.6	36.3	52.9
1960	29.5	27.2	26.0	54.9	59.6	69.8	73.9	75.1	71.7	56.1	42.8	25.4	51.0
1961	24.5	34.9	43.0	46.4	57.8	70.2	75.6	74.0	70.7	56.6	42.2	28.3	52.0
1962	21.1	30.0	36.7	51.6	69.7	72.4	73.1	73.0	64.0	57.6	42.9	26.7	51.6
1963	16.6	21.2	43.6	54.5	61.2	73.7	74.0	70.6	67.2	64.1	45.5	18.6	50.9
1964	30.6	29.6	37.6	53.4	67.3	73.3	75.7	72.7	67.1	53.1	45.3	29.2	52.9
1965	27.6	29.9	31.3	52.9	68.0	71.1	73.5	71.3	66.9	54.9	44.4	37.5	52.4
1966	21.9	29.4	41.6	49.2	57.5	72.2	78.7	71.2	64.2	52.2	43.2	30.8	51.0
1967	29.8	24.4	41.7	53.3	57.5	72.9	72.5	68.9	64.2	53.2	37.9	31.8	50.7
1968	23.5	25.3	42.8	52.8	58.7	72.8	74.3	74.3	66.5	54.6	41.8	29.0	51.3
1969	23.2	31.5	34.5	53.3	63.6	68.3	77.3	74.3	66.6	53.9	39.1	28.6	51.2
1970	18.1	28.0	37.4	53.9	66.0	71.3	74.7	73.2	69.0	55.4	40.5	33.2	51.7
MEAN	26.5	28.8	39.2	51.4	61.9	71.4	74.5	73.5	66.8	55.3	41.2	30.4	51.7

AVERAGE DAILY MEAN TEMPERATURES

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	30	26	34	46	57	69	75	76	72	61	49	35
2	29	27	35	46	57	68	74	75	71	62	48	34
3	28	28	36	47	57	68	73	75	71	62	46	36
4	28	27	36	48	58	68	74	75	71	62	47	36
5	27	27	36	48	59	69	75	75	70	62	46	35
6	27	28	35	48	58	70	75	75	70	61	46	34
7	28	28	34	48	58	69	75	75	71	59	47	34
8	28	28	34	47	57	68	76	75	71	58	45	33
9	27	27	35	47	58	69	76	75	71	58	44	31
10	27	27	37	50	59	69	76	75	70	58	44	30
11	27	29	38	49	59	69	76	74	69	57	44	30
12	27	30	39	49	59	70	76	74</				

AVERAGE MAXIMUM TEMPERATURE

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1889	36.6	33.8	50.2	64.1	70.5	74.4	82.5	81.2	74.0	59.1	44.0	52.8	60.3
1890	43.3	43.7	42.2	63.5	69.2	84.8	85.9	80.5	72.4	61.8	52.1	41.0	61.7
1891	39.9	42.2	41.1	64.4	72.4	83.9	83.7	84.9	85.3	65.7	44.8	45.6	62.8
1892	27.5	40.9	46.9	57.2	66.7	82.3	84.8	84.7	79.4	67.9	43.5	36.0	59.8
1893	24.5	35.5	48.2	59.4	69.0	83.2	91.7	87.5	81.9	67.2	52.1	38.4	61.6
1894	29.7	33.9	55.6	64.3	71.5	87.4	89.6	87.3	78.7	66.2	45.8	42.8	63.6
1895	29.6	27.8	49.3	64.8	76.0	87.8	84.2	88.5	82.0	61.2	46.8	39.2	61.4
1896	35.3	37.9	43.1	69.6	79.9	81.3	85.2	84.4	73.6	62.8	49.8	41.8	62.1
1897	30.0	37.1	49.0	58.4	68.7	79.8	85.7	83.4	86.9	75.1	49.3	34.1	61.5
1898	37.7	38.2	51.6	59.1	70.6	83.0	87.0	83.7	79.2	60.1	45.5	34.5	60.9
1899	34.0	27.0	40.2	64.0	72.5	83.3	85.7	88.9	78.4	71.6	52.5	36.2	61.2
1900	39.7	32.4	42.4	62.7	75.4	80.2	85.7	89.0	80.6	73.5	50.0	39.2	62.6
1901	37.1	30.1	47.2	59.6	71.0	84.4	93.2	87.5	80.2	67.9	45.9	30.6	61.2
1902	33.8	26.9	49.8	59.2	77.3	78.5	85.9	80.4	73.0	67.2	56.0	33.7	60.1
1903	32.0	34.3	54.7	62.6	76.3	76.4	86.0	82.4	79.0	66.0	46.0	32.0	60.6
1904	27.0	30.7	47.3	56.1	72.5	80.2	83.9	82.7	77.5	65.6	54.4	36.9	59.6
1905	28.4	26.5	54.8	61.8	73.1	83.9	82.3	86.1	78.5	64.4	51.0	38.4	60.8
1906	40.9	37.5	36.2	66.7	74.9	79.3	85.6	86.7	80.9	63.3	49.2	39.6	61.7
1907	38.5	37.0	55.6	61.8	66.1	77.0	84.9	80.4	75.3	62.9	48.0	39.0	59.7
1908	37.8	34.0	53.2	60.4	70.9	79.8	84.2	84.2	82.7	66.4	52.4	41.0	62.3
1909	36.2	41.9	46.7	59.2	69.1	80.7	80.7	87.2	74.2	59.9	60.2	28.0	60.3
1910	33.4	34.0	62.9	63.3	66.4	81.2	85.0	82.5	76.3	69.4	46.6	33.6	61.2
1911	37.7	40.9	50.4	57.0	78.9	86.8	88.0	84.6	76.8	62.5	43.2	39.6	62.2
1912	21.2	28.2	37.8	62.1	73.7	78.0	83.2	81.0	78.4	68.8	51.2	42.7	58.9
1913	39.5	33.4	47.3	61.9	74.3	86.1	90.1	89.1	77.1	61.9	55.3	41.7	63.1
1914	40.3	28.9	44.9	59.7	74.4	85.7	90.4	85.8	76.1	67.1	55.0	29.6	61.5
1915	30.9	42.5	42.3	67.6	68.8	77.8	80.7	75.2	77.6	66.9	54.6	34.8	59.9
1916	39.1	34.5	46.7	59.1	71.7	74.4	91.5	88.0	76.7	66.0	53.5	36.8	61.5
1917	37.5	33.0	51.2	57.6	65.3	76.9	83.4	80.7	74.9	55.8	52.2	29.2	58.1
1918	19.7	39.8	59.6	56.4	75.4	81.5	82.5	87.8	69.1	66.9	50.1	45.3	61.2
1919	40.0	39.4	51.8	62.7	69.4	83.9	89.7	82.5	80.6	68.1	48.1	31.4	62.3
1920	27.6	36.0	50.1	53.4	70.1	82.3	84.7	82.0	79.4	71.2	47.8	38.5	60.3
1921	39.4	42.4	60.2	63.8	74.8	85.8	91.6	81.5	79.1	65.3	50.6	40.4	64.6
1922	33.5	40.2	50.6	62.0	74.9	84.2	84.5	85.5	82.1	69.7	50.9	39.6	63.1
1923	38.2	31.9	46.3	60.6	70.7	81.6	86.2	81.9	74.6	60.8	51.0	47.4	60.9
1924	29.5	36.0	41.5	63.9	65.5	78.0	82.4	83.1	71.1	72.2	51.1	32.3	58.9
1925	33.1	43.8	53.5	69.5	72.3	85.2	86.4	84.7	82.1	52.4	47.1	31.4	62.0
1926	34.7	39.6	41.7	54.5	76.1	77.9	87.3	84.3	74.3	62.0	45.0	34.7	59.3
1927	32.8	45.8	51.5	60.6	69.2	76.2	83.7	77.4	80.3	69.9	54.3	36.5	61.1
1928	35.3	39.9	48.9	57.3	73.6	74.2	85.0	84.0	73.2	66.8	49.4	41.0	60.7
1929	31.2	31.9	56.0	63.7	68.2	78.7	84.5	81.3	75.5	63.0	44.3	36.4	59.6
1930	28.9	47.4	48.5	66.1	74.1	83.0	90.8	88.0	79.8	62.6	51.5	37.8	63.2
1931	40.2	44.9	42.5	62.9	69.5	84.6	88.9	85.5	82.6	68.2	58.2	45.5	64.5
1932	42.5	46.1	41.5	63.8	74.4	83.5	87.7	85.0	76.6	64.5	44.1	37.3	62.3
1933	45.8	37.7	47.9	61.5	72.3	90.9	90.0	83.9	82.9	63.2	50.0	42.1	64.0
1934	40.1	33.4	44.5	63.1	80.8	90.7	92.5	83.8	73.3	68.7	54.0	33.9	63.2
1935	36.6	39.6	55.8	57.7	65.0	76.9	87.4	83.8	77.6	65.1	47.1	31.4	60.3
1936	27.3	28.1	52.3	58.4	76.1	85.6	95.9	90.2	79.9	64.5	47.5	41.9	62.3
1937	36.4	36.0	45.9	59.7	73.3	80.1	84.5	86.8	77.1	61.0	47.4	33.1	60.1
1938	34.8	44.4	57.0	63.2	71.8	79.5	85.9	85.6	78.9	72.6	53.6	38.3	63.8
1939	40.4	39.1	51.7	57.5	77.1	81.9	85.5	83.6	85.0	69.0	50.3	33.1	63.7
1940	21.4	35.9	44.7	59.3	68.5	83.1	88.0	85.7	78.8	71.8	48.4	42.4	60.7
1941	36.2	34.5	45.0	66.5	77.1	83.0	85.8	85.6	80.6	67.4	52.2	43.6	63.1
1942	35.3	33.2	52.2	67.0	72.5	81.5	86.4	82.7	75.2	65.9	53.1	32.8	61.6
1943	35.5	43.7	47.0	61.2	70.5	84.5	89.1	86.3	74.6	66.7	46.5	35.6	61.8
1944	42.1	40.6	44.6	59.5	77.2	87.8	88.0	84.7	77.3	67.5	49.9	31.6	62.6
1945	29.8	40.2	61.9	62.0	67.0	77.2	84.8	83.5	76.0	64.2	50.1	30.2	60.6
1946	37.3	42.5	62.3	66.2	67.8	82.8	85.1	81.0	79.4	73.1	54.2	45.0	64.8
1947	39.8	32.1	42.0	61.1	68.9	78.1	83.9	92.1	79.0	74.7	43.9	40.3	61.3
1948	30.9	38.4	48.2	66.8	72.0	84.0	85.7	86.2	80.3	63.8	53.6	42.6	62.7
1949	38.2	40.1	50.4	62.3	77.6	84.9	88.1	84.6	73.9	68.9	52.9	44.6	63.9
1950	43.4	37.4	44.8	54.9	75.9	81.0	83.6	80.3	74.4	71.5	44.3	29.5	60.1
1951	36.5	37.5	46.0	57.3	75.6	77.9	83.5	82.2	73.0	68.4	42.2	37.2	59.8
1952	37.5	42.9	47.4	64.8	71.5	88.2	88.3	83.4	80.7	64.2	53.2	40.4	63.5
1953	39.0	45.4	51.2	58.9	75.1	89.1	87.2	87.5	83.9	73.8	54.4	41.8	65.6
1954	38.5	49.2	46.7	69.1	70.5	87.9	91.8	83.9	84.8	66.5	51.7	39.4	65.0
1955	34.8	39.4	51.2	69.4	76.0	77.9	89.8	88.3	81.9	66.5	47.4	36.8	63.3
1956	35.4	38.9	50.5	60.5	74.9	85.1	82.5	83.7	78.8	75.4	50.1	41.7	63.1
1957	29.2	42.5	49.3	60.4	71.5	82.3	86.7	84.5	75.2	62.3	48.6	43.2	61.3
1958	34.1	31.9	42.6	63.1	74.9	77.0	81.5	84.1	77.1	68.3	53.5	32.9	60.1
1959	30.9	38.6	50.3	62.6	76.5	86.0	87.4	88.4	80.4	63.3	42.8	42.3	62.5
1960	36.1	32.9	33.7	65.5	68.5	79.3	84.4	85.5	82.7	67.4	52.0	33.1	60.1
1961	32.3	43.1	50.8	55.4	68.9	81.3	85.5	84.3	82.1	66.5	49.8	35.0	61.3
1962	28.3	36.8	43.9	62.1	80.0	83.3	82.6	83.6	74.8	67.7	50.7	35.4	60.8
1963	24.2	31.3	52.9	66.2	72.3	86.5	84.2	81.2	79.6	77.3	54.3	26.4	61.3
1964	37.2	37.5	46.1	63.1	79.2	84.4	85.6	84.5	78.3	65.4	55.4	35.5	62.9
1965	36.7	39.2	38.6	62.6	69.1	81.5	83.4	81.1	76.6	65.0	53.6	44.3	61.9
1966	29.7	37.5	51.0	58.3	68.5	84.1	90.2	81.9	74.4	62.8	51.7	36.9	60.6
1967	37.9	33.3	50.3	63.4	67.9	83.3	83.1	80.0	75.9	62.6	44.8	38.8	60.1
1968	31.0	33.8	54.0	63.4	67.7	83.3	84.3	83.5	77.5	65.6	48.0	35.0	60.6
1969	30.3	37.6	43.3	64.0	74.8	80.5	87.1	85.2	77.0	64.3	46.9	34.4	60.5
1970	25.9	36.6	44.9	63.8	77.2	81.2	65.1	82.7	80.0	64.4	47.8	41.1	60.9
MEAN	34.0	37.2	48.5	61.7	72.5	82.1	85.2	84.4	78.1	66.3	49.9	37.8	61.5

AVERAGE MINIMUM TEMPERATURE

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1889	20.5	13.2	29.8	37.4	46.1	55.5	61.4	56.3	50.3	36.3	29.7	31.5	39.0
1890	23.5	26.5	23.5	40.2	46.9	63.4	59.0	55.7	48.1	42.8	32.6	20.9	40.3
1891	23.1	22.3	24.0	40.1	42.5	59.4	55.3	57.5	53.3	37.8	27.0	27.5	39.2
1892	8.9	26.1	28.5	38.1	48.4	60.5	61.8	59.2	50.6	39.4	26.2	17.9	38.8
1893	4.9	18.3	28.8	40.0	47.2	59.4	63.1	56.0	53.6	40.4	25.9	19.9	38.2
1894	20.3	15.6	32.8	39.5	47.7	58.5	58.1	58.8	54.4	40.3	26.2	25.1	39.8
1895	9.1	8.0	25.7	40.6	48.7	58.7	58.0	59.4	55.3	31.8	28.7	23.4	37.3
1896	20.5	21.5	24.6	45.2	56.5	60.8	62.7	61.7	51.9	37.2	30.9	26.3	41.7
1897	14.6	23.8	31.1	40.3									

MEANS AND

MONTH	TEMPERATURE							MEAN DEGREE DAYS	PRECIPITATION						
	MEANS			EXTREMES					AVERAGE TOTAL	MAXIMUM MONTHLY	YEAR	MINIMUM MONTHLY	YEAR	MAXIMUM IN 24_HRS	
	DAILY MAXIMUM	DAILY MINIMUM	DAILY AVERAGE	RECORD HIGHEST	YEAR	RECORD LOWEST	YEAR								
	(B)	(B)	(B)					(C)	(B)						
JAN	34.0	18.6	26.5	70	1909	-22	1912	1184	2.15	7.62	1950	0.17	1900	2.12	
FEB	37.2	20.9	28.8	70	1930	-25	1899	1000	1.91	5.80	1909	0.15	1947	1.78	
MAR	48.5	30.3	39.2	85	1907	-5	1906	778	3.11	8.35	1922	0.38	1910	4.28	
APR	61.7	40.8	51.4	91	1930	15	1899	423	3.73	9.55	1964	0.50	1899	3.73	
MAY	72.5	50.9	61.9	97	1934	24	1891	165	3.97	11.20	1943	0.22	1925	4.61	
JUN	82.1	60.4	71.4	103	1934	34	1894	22	3.99	11.58	1902	0.47	1936	4.00	
JUL	85.2	63.4	74.5	109	1954	41	1904	2	3.37	9.57	1962	0.47	1916	3.98	
AUG	84.4	62.4	73.5	101	1918	40	1891	6	3.21	9.80	1902	0.06	1898	3.90	
SEP	78.1	55.2	66.8	101	1953	24	1899	79	3.13	9.76	1926	0.25	1954	4.07	
OCT	66.3	43.9	55.3	93	1954	12	1897	319	2.62	9.01	1941	0.16	1964	3.66	
NOV	49.9	32.2	41.1	80	1950	-5	1950	695	2.55	6.77	1927	T	1904	4.07	
DEC	37.8	22.6	30.4	70	1948	-20	1924	1086	2.14	6.63	1967	0.05	1890	2.91	
(A)				82		82				82		82		68	
					JUL		FEB				JUN		NUV		
ANNUAL	61.5	41.8	51.7	109	1954	-25	1899	5759	35.89	11.58	1902	T	1904	4.61	

- (A) LENGTH OF RECORD, YEARS
- (B) MEANS BASED ON 1889-1970 DATA
- (C) MEANS BASED ON 1903-1970 DATA
- * OCCURS OCCASIONALLY DURING THESE MONTHS

AVERAGE WIND

	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE		
	DIR.	SPEED	GUST	DIR.	SPEED	GUST	DIR.	SPEED	GUST	DIR.	SPEED	GUST	DIR.	SPEED	GUST	DIR.	SPEED	GUST
1951	SW	8.1	40	S	9.0	46	SE	9.3	50	NW	8.1	43	W	6.2	41	SW	4.4	36
1952	SW	8.3	44	E	7.7	48	SE	7.8	40	NE	7.1	35	N	5.8	34	SW	6.0	40
1953	NW	8.6	38	SW	9.2	54	NW	8.4	47	NW	8.8	55	E	6.5	38	SE	5.5	49
1954	S	8.4	33	S	9.6	52	NW	9.3	51	S	8.9	37	S	6.8	38	SW	6.1	39
1955	S	8.0	40	S	8.3	33	S	8.6	51	S	6.9	38	S	6.1	36	S	4.3	25
1956	N	6.0	30	N	6.5	39	S	7.8	40	S	7.2	46	SW	8.1	45	SW	5.3	44
1957	S	5.1	37	N	4.7	38	NE	6.3	39	S	6.9	44	S	6.7	46	S	5.7	55
1958	N	5.9	26	NW	7.3	31	NE	6.6	34	SW	6.9	41	SW	5.6	30	S	5.1	36
1959	N	8.5	37	S	7.8	44	S	9.3	53	S	9.0	44	S	7.8	39	S	5.8	38
1960	W	8.2	35	W	9.9	38	NW	9.2	41	S	10.5	48	S	8.0	45	S	7.0	45
1961	SW	8.3	35	S	9.2	41	S	10.6	56	W	10.8	49	S	8.1	45	S	4.8	45
1962	S	8.0	33	N	8.6	49	NE	8.1	41	S	8.3	60	S	6.9	40	S	5.0	37
1963	W	8.9	44	SW	8.7	43	SW	10.3	59	SW	9.5	50	SW	7.6	40	SW	5.6	46
1964	SW	12.1	47	SW	7.7	39	NW	10.3	63	SW	10.5	52	SW	8.9	52	SW	7.0	65
1965	SW	10.4	41	SW	12.1	51	N	10.2	52	NW	9.9	49	SW	9.0	45	SW	7.4	41
1966	NE	7.7	44	NE	6.9	39	S	8.4	52	E	8.0	46	NE	7.9	47	SW	6.4	36
1967	S	9.5	47	S	9.8	58	S	8.4	48	S	9.9	50	NE	8.7	52	S	6.4	36
1968	S	7.6	36	W	7.9	42	S	9.7	45	S	9.0	55	S	7.2	48	S	7.0	43
1969	W	7.7	43	NE	6.8	34	W	7.6	50	S	8.5	41	S	5.9	47	S	7.5	39
1970	W	7.9	35	S	9.2	40	N	7.9	36	S	8.9	42	S	8.5	41	S	7.0	37
AVG.	S	8.2	47	S	8.3	58	S	8.7	63	S	8.7	60	S	7.3	52	S	6.0	65

DIRECTIONS ARE OF PREVAILING WINDS, SPEEDS ARE AVERAGES, AND GUSTS ARE MAXIMUM VALUES FOR THE PERIODS CONSIDERED.

EXTREMES

YEAR	SNOW					TEMPERATURES				MEAN NUMBER OF DAYS									
	AVERAGE TOTAL	MAXIMUM MONTHLY	YEAR	MAXIMUM IN 24 HRS	YEAR	MAX		MIN		PRECIPITATION .01 inch or more	PRECIPITATION .25 inch or more	PRECIPITATION 1.00 inch or more	THUNDERSTORMS	HAIL	SLEET	Winds 30 mph and above	FOG	MONTH	
						90 and above	32 and below	32 and below	0 and below										
1937	5.1	18.2	1904	11.0	1927	0	13	27	3	9	3	*	1-	*	1+	7	4	JAN	
1939	5.3	18.5	1914	11.0	1912	0	9	24	2	8	3	*	1	*	1-	7	3	FEB	
1939	4.4	32.0	1906	14.0	1906	0	3	18	*	10	4	1	2	1-	1-	10	3	MAR	
1964	0.7	8.0	1920	6.0	1920	0	*	6	0	11	5	1	4	1-	*	11	2	APR	
1921	T	2.5	1929	2.5	1929	1	0	*	0	10	5	1	5	1-	0	8	2	MAY	
1968	0	0		0		5	0	0	0	10	4	1	6	1-	0	4	1	JUN	
1962	0	0		0		9	0	0	0	8	3	1	5	*	0	2	2	JUL	
1924	0	0		0		7	0	0	0	8	3	1	5	*	0	1	2	AUG	
1931	0	0		0		3	0	*	0	8	4	1	3	*	0	3	2	SEP	
1955	0.1	2.5	1925	2.0	1925	*	*	4	0	8	3	*	2	*	*	4	2	OCT	
1936	1.6	11.2	1932	9.0	1932	0	2	10	*	8	3	*	1	*	*	7	2	NOV	
1966	4.4	18.0	1909	8.5	1951	0	10	26	2	9	3	*	*	*	1+	6	4	DEC	
MAY		68	MAR	68	MAR	68	68	68	68	68	68	68	23	23	59	20	25		
1921	21.7	32.0	1906	14.0	1906	25	37	115	7	107	43	7	34	4+	4	70	29	ANNUAL	

CONDITIONS

JULY			AUGUST			SEPTEMBER			OCTOBER			NOVEMBER			DECEMBER			ANNUAL		
DIR.	SPEED	GUST	DIR.	SPEED	GUST	DIR.	SPEED	GUST	DIR.	SPEED	GUST	DIR.	SPEED	GUST	DIR.	SPEED	GUST	DIR.	SPEED	GUST
NE	4.3	36	S	4.0	32	S	5.2	36	S	6.7	30	S	9.7	47	S	10.9	48	S	7.2	50
SW	4.7	27	NE	3.2	27	SW	4.2	30	SW	4.8	33	SW	9.0	63	NW	7.9	41	NW	6.4	63
SW	4.4	44	NF	3.9	35	W	5.7	40	SW	4.5	29	S	7.1	42	SW	9.3	53	SW	6.8	55
S	5.4	36	NE	4.8	46	SW	4.7	30	SW	5.7	35	NW	6.1	36	S	7.7	35	S	7.7	52
S	3.0	26	SW	3.8	30	N	3.6	34	S	5.2	37	S	7.0	41	S	6.6	39	S	6.0	51
SW	5.1	53	SW	5.0	43	SW	4.9	37	SW	4.7	34	S	7.7	49	SW	6.3	38	SW	6.2	53
S	5.0	30	SW	4.2	32	NE	4.8	36	N	6.3	36	S	9.0	58	S	9.3	42	S	6.2	58
SW	4.4	34	SW	4.9	31	S	4.9	28	NW	6.5	33	S	7.8	37	NW	6.8	30	SW	6.1	41
NW	5.5	42	S	6.5	35	S	6.9	52	S	8.6	48	S	9.1	44	S	7.6	4?	S	7.7	53
N	5.0	45	SW	5.6	37	N	5.3	32	S	6.6	48	S	9.8	43	S	9.5	34	S	7.9	48
S	5.2	34	S	4.9	44	S	5.6	47	S	6.2	34	S	6.2	45	W	7.7	37	S	7.3	56
NW	4.4	40	S	4.1	33	S	4.4	29	S	5.8	33	N	6.6	43	NW	9.1	41	S	6.6	60
SW	6.2	53	N	4.9	33	NE	5.7	42	SW	7.9	35	NW	11.3	65	NW	9.1	38	SW	8.0	65
SW	5.4	44	SW	6.5	35	SW	6.6	36	SW	6.4	35	SW	9.2	70	SW	9.9	35	SW	8.4	70
NE	4.9	60	SW	5.9	42	SW	6.8	37	SW	7.1	42	SW	7.9	53	SW	9.2	46	SW	8.4	60
F	4.8	61	SW	5.0	27	E	5.3	40	SW	7.4	42	SW	9.3	48	S	8.1	57	SW	7.1	61
W	5.2	38	S	5.9	66	S	5.9	39	S	8.0	43	W	7.4	36	S	7.4	45	S	7.6	66
S	5.5	42	S	5.4	37	S	5.8	36	S	7.3	42	W	7.6	49	W	9.5	54	S	7.5	55
SW	4.5	42	S	3.9	30	S	4.6	32	S	5.6	32	SW	6.4	31	N	6.4	34	S	6.5	50
S	5.8	45	E	5.0	39	S	5.5	34	S	5.6	44	S	7.8	44	S	8.0	58	S	7.3	58
SW	4.9	61	SW	4.9	66	S	5.3	52	S	6.4	48	S	8.1	70	S	8.3	58	S	7.1	70

PRECIPITATION

Table with columns: YEAR, JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP, OCT, NOV, DEC, ANNUAL. Rows from 1889 to 1970 plus a MEAN row.

SNOWFALL

Table with columns: YEAR, JAN, FEB, MAR, APR, HAY, JUN, JUL, AUG, SEP, OCT, NOV, DEC, ANNUAL. Rows from 1903 to 1970 plus a MEAN row.

STATION HISTORY

The Urbana weather station has been in operation since August 17, 1888, and its 83-year period of continuous records ranks 13th for station longevity in Illinois. During these years the station has been relocated only four times, the greatest move being 700 feet in June 1897. No other Illinois station has remained as near to its Nineteenth Century location. In 1963 the station was selected by the National Weather Service to be one of approximately 15 Bench Mark stations east of the Rocky Mountains. Data from these stations will be used to evaluate past and future climatic changes in the United States.

Since 1897 the weather station has been located within the Morrow Plots Experimental Farm, the oldest experimental plots in the country. It was moved within the plots in 1904, 1948, and 1965. The elevation of the station is 743 feet above mean sea level, and its position is 40°8' N latitude and 88° 13' W longitude.

Instrumentation at the weather station consists of a standard instrument shelter, maximum and minimum thermometers, a hygrothermograph, a standard 8-inch precipitation gage, a weighing-bucket type recording precipitation gage, an evaporation pan (operated from May through October each year), and soil thermometers located 4 inches and 12 inches below sod. Since 1951, continuous wind records have been maintained from an Aerovane located atop the Water Resources Building, 0.5 mile northwest of the weather station.

The names and affiliations of the weather observers from 1888 until 1898 are unknown, but University of Illinois personnel served as observers from 1898 until 1948. On May 1 of that year the Illinois State Water Survey assumed control of the weather station, and Survey personnel have acted as observers and supervisors since that date. A more complete history of the Morrow Plots weather station has been written by S. A. Changnon, Jr., and G. R. Boyd (*History of the Urbana Weather station, 1888-1963*) and was published by the Illinois State Water Survey in 1963 as Circular 88.

This climatological summary has been prepared by John W. Wilson, meteorologist at the Water Survey. Copies may be obtained free of charge from the Illinois State Water Survey, Box 232, Urbana, Illinois 61801.