

# Local Climatological Data

## Champaign-Urbana, IL - 118740

Illinois State Water Survey  
Water Survey Research Center

**May 2005**

| DATE           | TEMPERATURE |             |             | PRECIP (in) | SNOW (in)  |       | WEATHER TYPES | WIND     |             |           |          | DEGREE DAYS |           |            |
|----------------|-------------|-------------|-------------|-------------|------------|-------|---------------|----------|-------------|-----------|----------|-------------|-----------|------------|
|                | Max         | Min         | Mean        |             | Amnt       | Depth |               | Dir      | Speed (mph) | Peak Gust | Gust Dir | Heat        | Cool      | Corn       |
| 1              | 56          | 34          | 45          |             | 0.0        | 0     | RW-           | W        | 7.4         | 29.0      | W        | 20          | 0         | 3          |
| 2              | 49          | 33          | 41          | 0.00        | 0.0        | 0     |               | W        | 6.4         | 22.8      | W        | 24          | 0         | 0          |
| 3              | 58          | 31          | 45          | 0.00        | 0.0        | 0     |               | W        | 3.9         | 19.5      | W        | 20          | 0         | 4          |
| 4              | 65          | 31          | 48          | 0.00        | 0.0        | 0     |               | E        | 1.7         | 11.0      | NW       | 17          | 0         | 8          |
| 5              | 70          | 40          | 55          | 0.00        | 0.0        | 0     |               | SE       | 2.4         | 10.2      | S        | 10          | 0         | 10         |
| 6              | 76          | 44          | 60          | 0.00        | 0.0        | 0     |               | SW       | 4.5         | 14.6      | SW       | 5           | 0         | 13         |
| 7              | 83          | 54          | 69          | 0.00        | 0.0        | 0     |               | W        | 4.3         | 16.4      | W        | 0           | 4         | 19         |
| 8              | 84          | 51          | 68          | 0.00        | 0.0        | 0     |               | S        | 4.6         | 18.9      | S        | 0           | 3         | 18         |
| 9              | 77          | 59          | 68          |             | 0.0        | 0     | RW-           | S        | 6.1         | 19.6      | S        | 0           | 3         | 18         |
| 10             | 87          | 58          | 73          |             | 0.0        | 0     | RW-           | SW       | 5.8         | 20.5      | W        | 0           | 8         | 22         |
| 11             | 85          | 50          | 68          | 0.00        | 0.0        | 0     |               | N        | 5.5         | 26.3      | W        | 0           | 3         | 18         |
| 12             | 73          | 51          | 62          | 0.07        | 0.0        | 0     | RW-           | E        | 4.6         | 16.5      | NE       | 3           | 0         | 12         |
| 13             | 85          | 54          | 70          |             | 0.0        | 0     | RW-           | SE       | 7.5         | 29.6      | SW       | 0           | 5         | 20         |
| 14             | 72          | 47          | 60          | 0.03        | 0.0        | 0     | TRW           | NW       | 6.4         | 26.0      | W        | 5           | 0         | 11         |
| 15             | 60          | 43          | 52          | 0.01        | 0.0        | 0     | RW            | NW       | 5.3         | 17.0      | W        | 13          | 0         | 5          |
| 16             | 67          | 41          | 54          | 0.00        | 0.0        | 0     |               | N        | 2.5         | 7.7       | NW       | 11          | 0         | 9          |
| 17             | 74          | 46          | 60          | 0.00        | 0.0        | 0     |               | SE       | 3.3         | 13.5      | SE       | 5           | 0         | 12         |
| 18             | 80          | 49          | 65          | 0.00        | 0.0        | 0     |               | SE       | 3.7         | 13.4      | SE       | 0           | 0         | 15         |
| 19             | 83          | 58          | 71          | 0.75        | 0.0        | 0     | TRW           | S        | 4.3         | 18.2      | W        | 0           | 6         | 21         |
| 20             | 67          | 55          | 61          | 0.11        | 0.0        | 0     | TRW-          | N        | 4.5         | 17.9      | NE       | 4           | 0         | 11         |
| 21             | 74          | 50          | 62          | 0.00        | 0.0        | 0     |               | SE       | 2.1         | 10.9      | E        | 3           | 0         | 12         |
| 22             | 82          | 58          | 70          | 0.00        | 0.0        | 0     |               | NW       | 5.0         | 21.0      | W        | 0           | 5         | 20         |
| 23             | 81          | 54          | 68          | 0.00        | 0.0        | 0     |               | W        | 7.5         | 29.0      | W        | 0           | 3         | 18         |
| 24             | 72          | 52          | 62          | 0.00        | 0.0        | 0     |               | NE       | 5.1         | 15.2      | N        | 3           | 0         | 12         |
| 25             | 74          | 50          | 62          | 0.00        | 0.0        | 0     |               | NE       | 3.0         | 11.2      | NE       | 3           | 0         | 12         |
| 26             | 77          | 51          | 64          | 0.00        | 0.0        | 0     |               | NW       | 3.8         | 16.2      | W        | 1           | 0         | 14         |
| 27             | 76          | 53          | 65          |             | 0.0        | 0     | RW-           | W        | 7.0         | 24.5      | W        | 0           | 0         | 15         |
| 28             | 74          | 50          | 62          | 0.00        | 0.0        | 0     |               | W        | 6.2         | 24.8      | NW       | 3           | 0         | 12         |
| 29             | 80          | 45          | 63          | 0.00        | 0.0        | 0     |               | S        | 2.7         | 19.6      | N        | 2           | 0         | 15         |
| 30             | 79          | 58          | 69          |             | 0.0        | 0     | RW-           | NE       | 2.8         | 12.4      | N        | 0           | 4         | 19         |
| 31             | 82          | 51          | 67          | 0.00        | 0.0        | 0     |               | #Error   | 2.3         | 14.3      | S        | 0           | 2         | 17         |
| <b>AVG/TOT</b> | <b>74.3</b> | <b>48.4</b> | <b>61.4</b> | <b>0.97</b> | <b>0.0</b> |       |               | <b>W</b> | <b>4.6</b>  |           |          | <b>152</b>  | <b>46</b> | <b>415</b> |
| DEP.           | +0.7        | -3.4        | -1.3        | -3.83       | 0.0        |       |               | S        | -1.7        |           |          | +9          | -24       | -13        |

### NUMBER OF DAYS and DEPARTURE

|       |          |      |      |     |          |       |       |       |               |  |  |  |  |      |       |
|-------|----------|------|------|-----|----------|-------|-------|-------|---------------|--|--|--|--|------|-------|
|       | MAX TEMP |      |      |     | MIN TEMP |       |       |       | PRECIPITATION |  |  |  |  | SNOW |       |
|       | >=90     | <=32 | <=32 | <=0 | >T       | >=.01 | >=.10 | >=.50 | >=1.00        |  |  |  |  |      | >=1.0 |
| TOTAL | 0        | 0    | 2    | 0   | 11       | 5     | 2     | 1     | 0             |  |  |  |  |      | 0     |
| DEP   | -1       | 0    | +2   | 0   |          | -6    | -6    | -2    | -2            |  |  |  |  |      | 0     |

|       |               |    |   |   |    |    |    |   |   |   |                      |         |         |               |         |
|-------|---------------|----|---|---|----|----|----|---|---|---|----------------------|---------|---------|---------------|---------|
|       | WEATHER TYPES |    |   |   |    |    |    |   |   |   | SEASONAL DEGREE DAYS |         |         | PRECIPITATION |         |
|       | R             | L  | S | Z | IP | A  | T  | F | D | H | BS                   | HEATING | COOLING | CORN          | JAN-May |
| TOTAL | 11            | 0  | 0 | 0 | 0  | 0  | 3  | 0 | 0 | 0 | 0                    | 5237    | 54      | 785           | 14.88   |
| DEP   | -2            | -3 |   | 0 | -1 | -3 | -3 |   |   |   |                      | -569    | -24     | +50           | -0.68   |

Averages based on 1971-2000 data.

Temp midnight-midnight, Precip and Snow at 7 am LST

M = Missing

**WEATHER TYPES:**

R = Rain      Z = Freezing rain/drizzle      D = Dust  
 L = Drizzle    IP = Ice pellets (sleet)            H = Haze  
 S = Snow      A = Hail                                BS = Blowing snow  
 T = Thunder   F = Fog                      RW = Rainshower    SW = Snowshower

**PRECIP INTENSITY**

- Light      Precip amount "T" =Trace  
 Moderate  
 + Heavy

**DEGREE DAYS** Heat and Cool base 65F. Corn Growing base 50F, ceiling 86F. Heating DD season July-June. Cool and Corn DD season January-December.

# Champaign-Urbana Weather Highlights – May 2005

## ILLINOIS STATE WATER SURVEY

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**Temperature** – ranged from 31 degrees on May 3 and 4 to 87 degrees on May 10.

**Precipitation** – no daily records were set this month. It was the 7<sup>th</sup> driest May since 1889. It was also the 12<sup>th</sup> driest spring since 1889 with only 6.68 inches (57 percent of normal). Spring is defined as the calendar months of March, April, and May.

**Observer's Note** – the wind statistics reported here and on the voicemail recording are not part of the climatic archive maintained by this office. They are from another Water Survey network co-located with our site (see below). On occasion we do not get the wind statistics right away because of circumstances beyond our control.

### Additional Information

Additional information for May can be found at the Illinois Climate Network site that is collocated with our cooperative weather observer site. This automated station collects temperature, wind, soil temperature, evaporation, humidity, and solar radiation data. These data are usually posted a few days after the end of the month at:

<http://www.sws.uiuc.edu/warm/data/2005/May/Champaign.txt>

*JRA*

The daily climate statistics are available by touch-tone phone. Call 333-8890 and select menu option 1. The recording is updated daily Monday through Friday by 8:00 a.m. For this and other climate data, visit the State Climatologist web site at <http://www.sws.uiuc.edu/atmos/statecli/>