

Local Climatological Data  
Champaign-Urbana, IL - 118740

Illinois State Water Survey  
Water Survey Research Center

April 2008

| 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              | 57          | 31          | 44          | 0.56        | 0.0       | 0     |               | M    | M           |           | 21         | 0           | 4          |      |
| 2              | 53          | 28          | 41          | 0.00        | 0.0       | 0     |               | M    | M           |           | 24         | 0           | 2          |      |
| 3              | 55          | 33          | 44          | 0.00        | 0.0       | 0     |               | M    | M           |           | 21         | 0           | 3          |      |
| 4              | 49          | 35          | 42          | 0.04        | 0.0       | 0     |               | M    | M           |           | 23         | 0           | 0          |      |
| 5              | 61          | 31          | 46          | 0.00        | 0.0       | 0     |               | M    | M           |           | 19         | 0           | 6          |      |
| 6              | 65          | 36          | 51          | 0.00        | 0.0       | 0     |               | M    | M           |           | 14         | 0           | 8          |      |
| 7              | 63          | 44          | 54          | 0.00        | 0.0       | 0     |               | M    | M           |           | 11         | 0           | 7          |      |
| 8              | 66          | 42          | 54          | 0.00        | 0.0       | 0     |               | M    | M           |           | 11         | 0           | 8          |      |
| 9              | 53          | 39          | 46          | 0.20        | 0.0       | 0     |               | M    | M           |           | 19         | 0           | 2          |      |
| 10             | 62          | 45          | 54          | 0.02        | 0.0       | 0     |               | M    | M           |           | 11         | 0           | 6          |      |
| 11             | 63          | 43          | 53          | 1.29        | 0.0       | 0     |               | M    | M           |           | 12         | 0           | 7          |      |
| 12             | 43          | 36          | 40          | 0.02        | 0.0       | 0     |               | M    | M           |           | 25         | 0           | 0          |      |
| 13             | 44          | 33          | 39          | 0.14        | T         | 0     |               | M    | M           |           | 26         | 0           | 0          |      |
| 14             | 51          | 31          | 41          | T           | 0.0       | 0     |               | M    | M           |           | 24         | 0           | 1          |      |
| 15             | 59          | 30          | 45          | 0.00        | 0.0       | 0     |               | M    | M           |           | 20         | 0           | 5          |      |
| 16             | 68          | 39          | 54          | 0.00        | 0.0       | 0     |               | M    | M           |           | 11         | 0           | 9          |      |
| 17             | 74          | 45          | 60          | 0.00        | 0.0       | 0     |               | M    | M           |           | 5          | 0           | 12         |      |
| 18             | 73          | 51          | 62          | 0.00        | 0.0       | 0     |               | M    | M           |           | 3          | 0           | 12         |      |
| 19             | 59          | 45          | 52          | 0.16        | 0.0       | 0     |               | M    | M           |           | 13         | 0           | 5          |      |
| 20             | 67          | 50          | 59          | 0.00        | 0.0       | 0     |               | M    | M           |           | 6          | 0           | 9          |      |
| 21             | 74          | 46          | 60          | 0.00        | 0.0       | 0     |               | M    | M           |           | 5          | 0           | 12         |      |
| 22             | 77          | 48          | 63          | 0.00        | 0.0       | 0     |               | M    | M           |           | 2          | 0           | 14         |      |
| 23             | 81          | 56          | 69          | 0.00        | 0.0       | 0     |               | M    | M           |           | 0          | 4           | 19         |      |
| 24             | 76          | 59          | 68          | 0.00        | 0.0       | 0     |               | M    | M           |           | 0          | 3           | 18         |      |
| 25             | 81          | 48          | 65          | 0.08        | 0.0       | 0     |               | M    | M           |           | 0          | 0           | 16         |      |
| 26             | 60          | 42          | 51          | 0.29        | 0.0       | 0     |               | M    | M           |           | 14         | 0           | 5          |      |
| 27             | 56          | 43          | 50          | 0.00        | 0.0       | 0     |               | M    | M           |           | 15         | 0           | 3          |      |
| 28             | 47          | 37          | 42          | 0.04        | 0.0       | 0     |               | M    | M           |           | 23         | 0           | 0          |      |
| 29             | 52          | 35          | 44          | 0.17        | 0.0       | 0     |               | M    | M           |           | 21         | 0           | 1          |      |
| 30             | 68          | 34          | 51          | 0.00        | 0.0       | 0     |               | M    | M           |           | 14         | 0           | 9          |      |
| <b>AVG/TOT</b> | <b>61.9</b> | <b>40.5</b> | <b>51.2</b> | <b>3.01</b> | <b>T</b>  |       |               |      |             |           | <b>413</b> | <b>7</b>    | <b>203</b> |      |
| DEP.           | -0.3        | -0.3        | -0.3        | -0.64       | -0.5      |       |               |      | S           |           | +1         | -1          | -3         |      |

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    | 5        | 0   | 13            | 12    | 7     | 2     | 1      | 0     |
| DEP   | 0        | 0    | 0        | 0   |               | 0     | -1    | 0     | 0      | 0     |

|       | WEATHER TYPES |    |   |   |    |    |    |   |   |   | SEASONAL DEGREE DAYS |         |         | PRECIPITATION |           |
|-------|---------------|----|---|---|----|----|----|---|---|---|----------------------|---------|---------|---------------|-----------|
|       | R             | L  | S | Z | IP | A  | T  | F | D | H | BS                   | HEATING | COOLING | CORN          | JAN-April |
| TOTAL | 13            | 0  | 2 | 0 | 1  | 0  | 2  | 0 | 0 | 0 | 0                    | 5556    | 7       | 292           | 14.12     |
| DEP   | 0             | -4 | 0 |   | -1 | -3 | -3 |   |   |   |                      | -107    | -1      | -15           | +3.36     |

Averages based on 1971-2000 data.

Temp midnight-midnight, Precip and Snow at 8 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.

WIND: DIR is the 24 hr prevailing direction (greatest number of hours). Speed is the daily average of 24 hourly average wind speeds.

## Champaign-Urbana Weather Highlights – April 2008

### ILLINOIS STATE WATER SURVEY

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**Temperatures** ranged from a high of 81°F on April 23 and 25 to a low of 28°F on April 2. While the monthly maximum, minimum, and mean monthly temperatures were all slightly below normal, they were not remarkably cold.

**Precipitation** for April was 3.01 inches, 0.64 inches below normal.

**Snowfall** for April snowfall was a Trace. The seasonal snowfall total was 26.3 inches, 0.1 inches above the 1971-2000 normal of 26.2 inches.

### Additional Information

Additional information for April 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. Usually, these data are posted several days after the end of the month at: <http://www.sws.uiuc.edu/warm/data/2008/April/Champaign.txt>

For detailed rainfall reports, check out the new volunteer raingage network in Illinois called the Community Collaborative Rain, Hail and Snow Network (CoCoRaHS) at <http://www.cocorahs.com/>.

*JRA*

For this and other climate data, visit the State Climatologist web site at <http://www.sws.uiuc.edu/atmos/statecli/>