

New Ritz

# ILLINOIS WEATHER & CROPS



**ILLINOIS  
COOPERATIVE CROP  
REPORTING SERVICE**

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## CROPS

## WEATHER

CORN planting was reported as 31% complete as of Sunday, May 2. This compares with 18% last year and 26% for the 5-year average (1977-81). The warmer and drier conditions, especially during the last half of the week, allowed planting to progress rapidly.

Planting of SOYBEANS has started in several areas of the State but was less than 1% complete as of May 2, compared with 2% last year and the average of 2%.

WINTER WHEAT on Friday, April 30, was reported as 2% excellent, 63% good, 32% fair, and 3% poor.

OATS seeding, as of May 2, was 95% complete, compared with 100% last year and the average of 89%.

ALFALFA, as of April 30, was reported as 2% excellent, 69% good, 26% fair, and 3% poor.

PLOWING for 1982 Corn and Soybeans acreage is 90% complete, compared with 100% last year and the average of 94%.

PASTURES on April 30 were reported as 5% excellent, 71% good, 22% fair, and 2% poor. Pastures on May 2 were supplying 56% of the livestock roughage requirements, compared to 73% last year and the average of 68%.

SOIL MOISTURE was reported as 10% short, 80% adequate, and 10% surplus on April 30.

There were 6.00 DAYS SUITABLE for FIELDWORK for the week ending April 30.

MAIN ACTIVITIES were preparing the soil for planting, planting corn, applying fertilizer, plowing and seeding oats.

TEMPERATURES for the period of April 26 through May 2 averaged from 1 to 5 degrees below normal throughout the State. Minimum temperatures in some northern areas fell below freezing during the first part of the period. A warming trend then started in mid-week sending maximum temperatures into the 70's on May 2.

PRECIPITATION was light in most districts with amounts ranging from no rainfall to nearly .20 of an inch. Some West, Southwest and East Districts received from .30 to .50 of an inch.

The OUTLOOK for the period of May 4 through May 10 is for temperatures to be above normal and precipitation to be near normal.

## SOIL MOISTURE MEASUREMENTS

The Illinois State Water Survey reports that soil moisture in a moderately well-drained Flanagan soil near Bondville (Champaign County) decreased during the week, prior to April 26. Soil moisture from the surface to about 7 feet decreased from 82% of Potential Plant Available Moisture (PPAM) to 78% of PPAM. No measurable rain fell during the week.

## ILLINOIS CROP REPORTING DISTRICT SUMMARY

| CROP AND SOIL CHARACTERISTICS                         | NW  | NE  | W   | C   | E   | WSW | ESE | SW  | SE  | STATE | 5-YR.AV. |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|----------|
| Corn: % planted<br>(as of May 2)                      | 20  | 20  | 30  | 35  | 40  | 35  | 40  | 35  | 25  | 31    | 26       |
| Days Suitable for field-<br>work:(week ending Apr.30) | 7.0 | 6.5 | 6.0 | 6.0 | 5.5 | 5.0 | 6.0 | 5.5 | 6.5 | 6.00  |          |
| Soil Moisture %:<br>(as of April 30)                  |     |     |     |     |     |     |     |     |     |       |          |
| Short   | 20  | --  | 15  | --  | 10  | --  | --  | 15  | 25  | 10    |          |
| Adequate  | 80  | 100 | 75  | 95  | 90  | 85  | 95  | 75  | 50  | 80    |          |
| Surplus   | --  | --  | 10  | 5   | --  | 15  | 5   | 10  | 25  | 10    |          |

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May 3, 1982

# ILLINOIS WEATHER

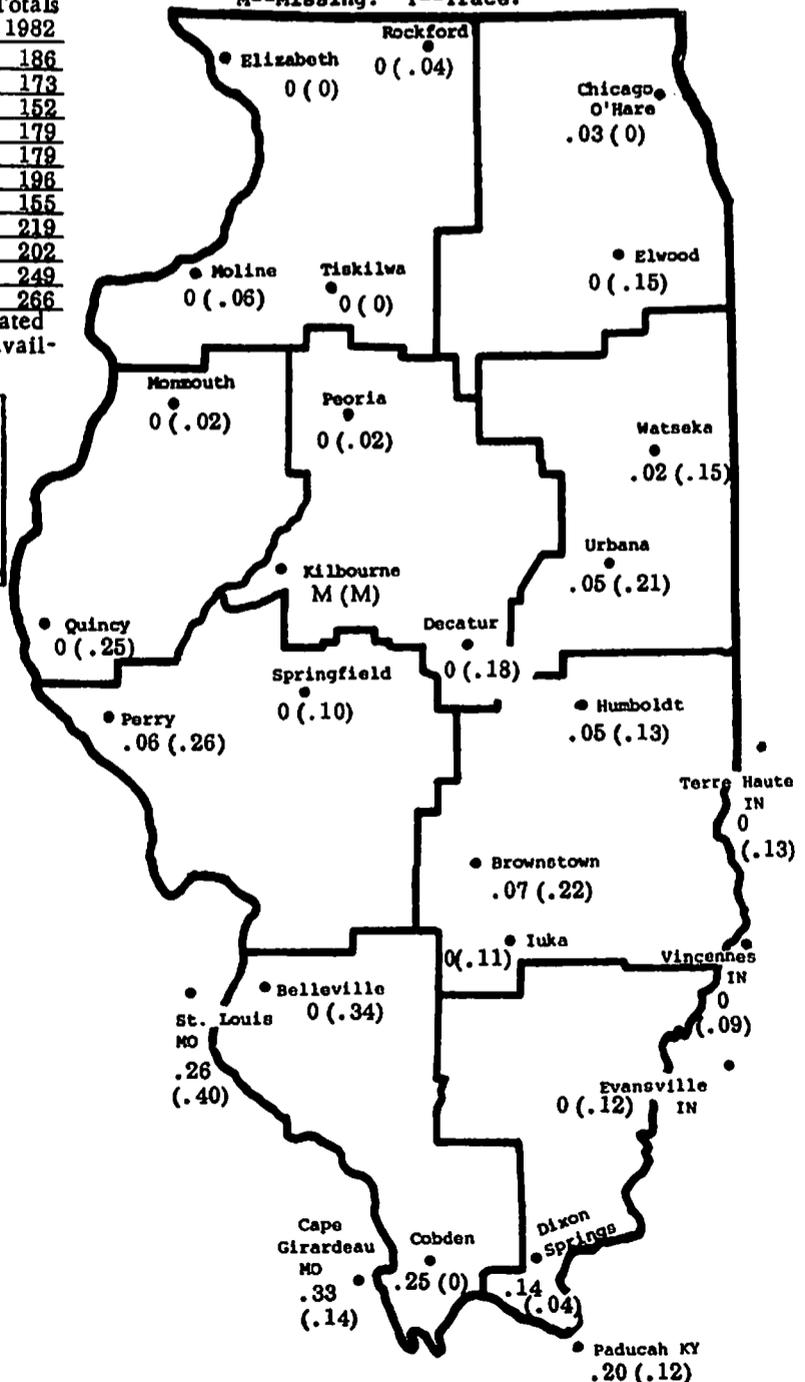
MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

|             | February | March | Mar. 30-<br>April 5 | April 6-<br>12 | April 13-<br>19 | April 20-<br>26 | April 27-<br>May 3 |
|-------------|----------|-------|---------------------|----------------|-----------------|-----------------|--------------------|
| Chicago     | -5       | -1    | +5                  | -15            | +2              | 0               | -2                 |
| Peoria      | -3       | 0     | +6                  | -19            | +2              | -2              | 2                  |
| Springfield | -6       | +1    | +4                  | -17            | +4              | -3              | 0                  |
| St. Louis   | -6       | +3    | +4                  | -14            | +4              | -4              | -2                 |

| Station       | Week ending Monday, 6 A.M., May 3 |              |              |                        |                 |                |                |
|---------------|-----------------------------------|--------------|--------------|------------------------|-----------------|----------------|----------------|
|               | Temperatures                      |              |              | Growing degree days 1/ |                 |                |                |
|               | Maxi-<br>mum                      | Mini-<br>mum | Aver-<br>age | Current<br>week        | 3-yr.<br>av. 2/ | Totals<br>1981 | Totals<br>1982 |
| Moline        | 77                                | 34           | 54.7         | 64                     | 228             | 298            | 186            |
| Rockford      | 77                                | 32           | 52.9         | 57                     | 180             | 231            | 173            |
| Chl. O'Hare   | 76                                | 31           | 51.4         | 46                     | 187             | 265            | 152            |
| Quincy        | 73                                | 41           | 56.3         | 57                     | 273             | 357            | 179            |
| Decatur       | 77                                | 33           | 56.6         | 64                     | 242             | 342            | 179            |
| Peoria        | 77                                | 37           | 58.1         | 69                     | 226             | 312            | 196            |
| Watseka       | 77                                | 30           | 53.6         | 62                     | 3/              |                | 155            |
| Springfield   | 79                                | 35           | 57.6         | 70                     | 277             | 391            | 219            |
| Brownstown    | 76                                | 39           | 56.6         | 62                     | 3/              |                | 202            |
| St. Louis     | 77                                | 44           | 58.5         | 68                     | 341             | 482            | 249            |
| Dixon Springs | 75                                | 43           | 59.6         | 72                     | 3/              |                | 266            |

1/ Totals are accumulated from April 1. 2/ Average of accumulated totals for 1979, 1980 and 1981. 3/ Previous years' data are not available.

PRECIPITATION:  
First figure--Current week, 4/27-5/3  
Parentheses--Previous week  
M--Missing. T--Trace.



Growing degree days (GDD's) are calculated by subtracting a 50-degree (F) base temperature from the average of the maximum and minimum temperatures for the day. The daily maximum temperature is limited to 86 degrees (F) and daily minimum to 50 degrees (F). Thus, if the mean temperature for the day is 75 degrees, then 25 GDD's will have been accumulated.

| Station       | Week ending Mon., 6 A.M., May 3                |         |
|---------------|--|---------|
|               | Average daily soil temperature<br>4" bare soil |         |
|               | Maximum  | Minimum |
| Elizabeth     | 68   | 47      |
| Elwood        | 65   | 46      |
| Monmouth      | 60   | 49      |
| Urbana        | 61   | 55      |
| Perry         | 60   | 50      |
| Brownstown    | 58   | 51      |
| Belleville    | 63   | 51      |
| Dixon Springs | 65   | 51      |