

ILLINOIS WEATHER & CROPS



ILLINOIS COOPERATIVE CROP REPORTING SERVICE

Illinois Department of Agriculture
STATISTICAL REPORTING SERVICE USDA
Box 429 Springfield, Illinois 62705
Phone: (217) 492-4295

CONTRIBUTORS

National Weather Serv. Forecast Office (Chicago)
Midwest Agr. Weather Serv. Ctr. (W. Lafayette, Ind.)
Illinois State Water Survey Div., DENR (Champaign)

Released: JUNE 28, 1982, 3 P.M., CDT

VOL. 3, NO. 15

- *** Soybeans - 98% planted
- *** Wheat - 70% ripe
20% combined
- *** Soil Moisture - 8% short, 86% adequate, 6% surplus

CORN condition on Friday, June 25, was reported as 17% excellent, 71% good and 12% fair. The average height of corn on Sunday, June 27, was reported at 36 inches compared to 28 inches last year and the 5-year average (1977-81) of 33 inches. The height of the most advanced corn was reported at 52 inches compared to 45 inches last year and an average of 49 inches.

Planting of SOYBEANS was 98% complete on June 27 compared to 92% last year and an average of 98%. Condition of soybeans on June 25 was reported as 5% excellent, 75% good, 19% fair and 1% poor.

SORGHUM planting was 95% complete as of June 27.

WINTER WHEAT condition on June 25 was reported as 4% excellent, 68% good, 26% fair and 2% poor. Seventy percent of the wheat crop was ripe by June 27 compared to 85% last year and an average of 78%. Twenty percent of the crop was combined compared to 30% last year and an average of 27%. Harvesting was active in the southern quarter of the State last week and should spread over the entire southern half of the State this week.

The OATS crop on June 25 was reported as 3% excellent, 65% good, 25% fair and 7% poor. Approximately 90% of the crop was headed on June 27 compared to 98% last year and an average of 95%. Sixty percent of the crop was filled compared to 72% last year and an average of 67%. Twenty percent of the crop was turning yellow compared to 23% last year and an average of 21%.

ALFALFA was reported as 10% excellent, 77% good, and 13% fair on June 25. About 96% of the first crop was cut by June 27 compared to 96% last year and an average of 97%. About 15% of the second cutting was complete on June 27 compared to 29% last year and an average of 26%.

RED CLOVER was reported as 18% excellent, 76% good, and 6% fair on June 25. About 80% of the crop was cut for hay by June 27 compared to 78% last year and an average of 86%.

PASTURES on June 25 were reported as 14% excellent, 83% good and 3% fair.

SOIL MOISTURE was reported as 8% short, 86% adequate, and 6% surplus on June 25.

There were 5.75 DAYS SUITABLE for FIELDWORK for the week ending June 25.

WEATHER

TEMPERATURES for the period of June 21 through June 27 averaged from 3 to 9 degrees below normal throughout most of the State as a cool period continued for the fourth straight week. The coolest section was the Northeast District with minimum readings dropping into the 40's.

PRECIPITATION amounts were very scattered as amounts ranged from .08 of an inch to 1.70 inches. Scattered thunderstorms gave localized areas nearly 2 inches during a 24-hour period.

The OUTLOOK for the period of June 29 through July 7 is for temperatures to be below normal and precipitation to be above normal.

SOIL MOISTURE MEASUREMENTS

The Illinois State Water Survey reports that soil moisture in a moderately well-drained Flanagan soil near Bondville (Champaign County) increased during the week prior to June 21. Soil moisture from the surface to about 7 feet increased from 64% of Potential Plant Available Moisture (PPAM) to 70%. In that same week the top four inches went from 22% to 40% of PPAM. Precipitation during the week prior to the measurement on June 21 amounted to 1.25 inches.

Soil moisture (from the surface to a depth of 20 inches) was measured at the following locations in Illinois on June 14-16:

| Site | County | Soil Moisture (inches) | Change from late May |
|---------------|------------|------------------------|----------------------|
| Freeport | Stephenson | 5.6 | +0.3 |
| Shabbona | De Kalb | 6.2 | -0.4 |
| Monmouth | Warren | 5.9 | -0.6 |
| Appleton | Knox | 4.9 | -0.4 |
| Perry | Pike | * | * |
| Topeka | Mason | 3.1 | -0.6 |
| Bondville | Champaign | 4.3 | No change |
| Brownstown | Fayette | 6.4 | +1.1 |
| Dixon Springs | Pope | 5.5 | +0.2 |
| Belleville | St. Clair | 5.3 | +0.9 |

* Access tube damaged.

ILLINOIS CROP REPORTING DISTRICT SUMMARY

| Crop and Soil Characteristics | NW | NE | W | C | E | WSW | ESE | SW | SE | STATE | 5-YR. AVG. |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|------------|
| Soybeans: % planted (as of June 27) | 100 | 100 | 98 | 100 | 100 | 97 | 96 | 90 | 97 | 98 | 98 |
| Alfalfa: % hay cut (as of June 27) | 95 | 90 | 95 | 96 | 98 | 98 | 98 | 100 | 100 | 96 | 97 |
| Days suitable for fieldwork: (week ending June 25) | 6.5 | 6.5 | 6.0 | 6.0 | 6.0 | 5.5 | 4.5 | 5.5 | 6.0 | 5.75 | |
| Soil moisture % (as of June 25) | | | | | | | | | | | |
| Short | 15 | 25 | -- | 5 | 20 | -- | -- | 10 | 15 | 8 | |
| Adequate | 85 | 75 | 90 | 95 | 80 | 80 | 90 | 75 | 85 | 86 | |
| Surplus | -- | -- | 10 | -- | -- | 20 | 10 | 15 | -- | 6 | |

Illinois Weather & Crops
June 28, 1982

ILLINOIS WEATHER

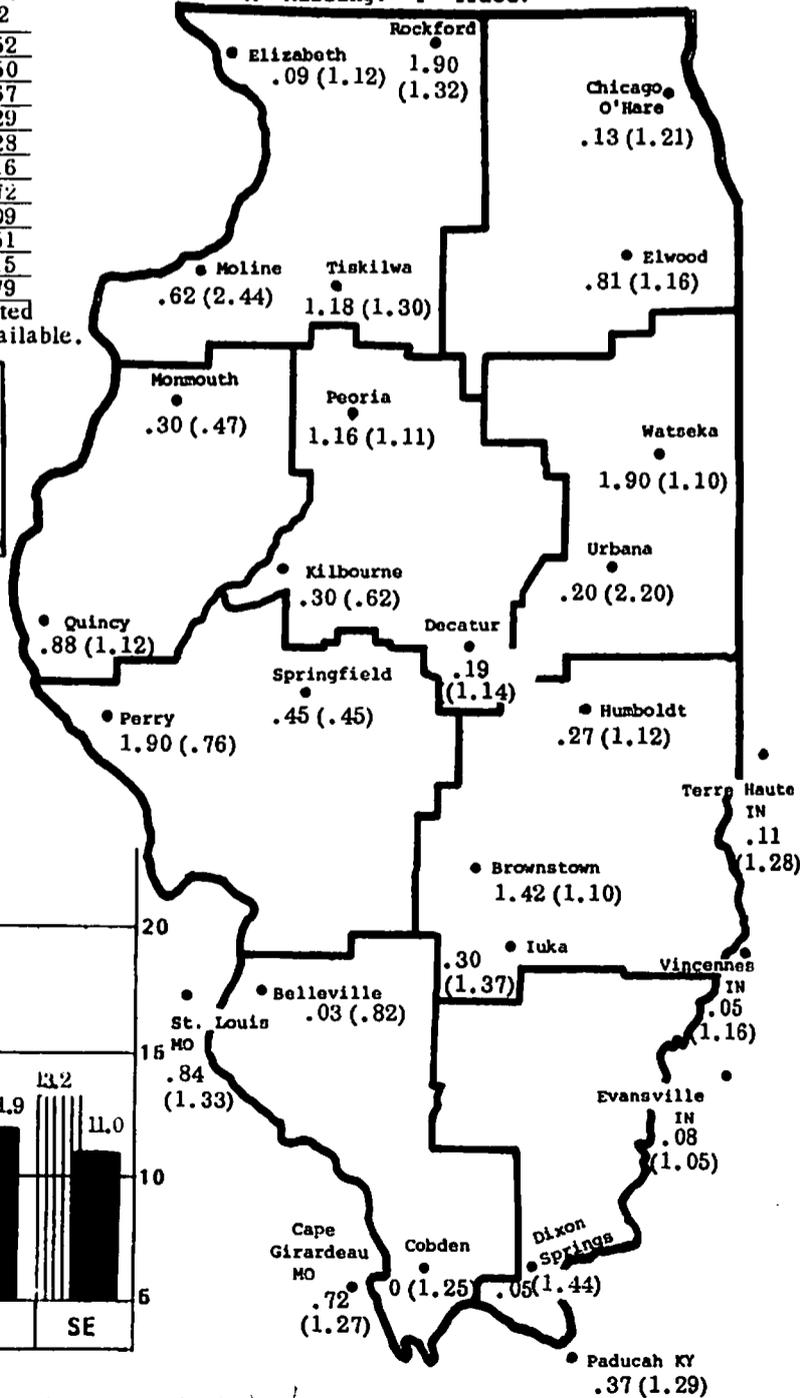
MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

| | April | May | June 1-7 | June 8-14 | June 15-21 | June 22-28 |
|-------------|-------|-----|----------|-----------|------------|------------|
| Chicago | -4 | +6 | -6 | -2 | -6 | -4 |
| Peoria | -5 | +7 | -4 | -2 | -4 | -1 |
| Springfield | -5 | +7 | -5 | -2 | -4 | 0 |
| St. Louis | -4 | +6 | -5 | -2 | -4 | -2 |

| STATION | Week ending Monday, 6 A.M., June 28 | | | | | |
|---------------|-------------------------------------|--------------|--------------|------------------------|-----------------|-----------------------|
| | Temperatures | | | Growing degree days 1/ | | |
| | Maxi- mum | Mini- mum | Aver- age | Current week | 3-yr. av. 2/ | Totals 1981 : 1982 |
| Moline | 89 | 50 | 70.5 | 144 | 1175 | 1202 1152 |
| Rockford | 85 | 47 | 66.9 | 120 | 1026 | 1071 1050 |
| Chi. O'Hare | 84 | 44 | 65.2 | 108 | 1025 | 1103 967 |
| Quincy | 80 | 55 | 70.2 | 141 | 1290 | 1255 1129 |
| Decatur | 84 | 49 | 69.0 | 133 | 1250 | 1309 1128 |
| Peoria | 87 | 52 | 70.9 | 145 | 1187 | 1293 1216 |
| Watska | 87 | 45 | 67.6 | 128 | 3/ | 1128 1072 |
| Springfield | 87 | 53 | 72.8 | 159 | 1311 | 1417 1309 |
| Brownstown | 88 | 54 | 71.3 | 148 | 3/ | 1480 1251 |
| St. Louis | 85 | 55 | 73.1 | 162 | 1480 | 1554 1415 |
| Dixon Springs | 91 | 53 | 73.9 | 163 | 3/ | 1639 1479 |

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, June 22-28
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.

ACCUMULATED PRECIPITATION (Inches)

LEGEND: Normal | Actual

April 1-June 30 | April 1-June 28

