

ILLINOIS

WEATHER & CROPS



ILLINOIS COOPERATIVE CROP REPORTING SERVICE

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CROP HI-LITES

*** Corn - 92% harvested
 *** Soybeans - 96% harvested
 *** Wheat - 94% seeded, 82% emerged
 *** Soil Moisture-19% short, 73% adequate, 8% surplus

There were 3.25 DAYS SUITABLE FOR FIELDWORK for the week ending Friday, October 28. Cool and damp conditions early in the week kept fields too wet to work. However, by midweek, warmer conditions allowed the fields to dry and harvesting resumed in northern and central areas. In southern areas, fields were not dry enough for harvest to start again until late in the week.

Ninety-two percent of the CORN crop for grain has been harvested, as of Sunday, October 30, compared to 80% last year and 76% for the 5-year average (978-82).

SOYBEAN harvest is 96% complete as of Sunday, October 30. In 1982, 94% of the soybean acreage had been harvested while the average is 95%.

Seeding of the 1984 WINTER WHEAT crop is 94% complete, compared to 91% for last year and 90% for the average. Eighty-two percent of the acreage has emerged. Last year, 63% had emerged while the average is 69%. Condition of the crop on October 28 was 14% excellent, 63% good, and 23% fair.

Eighty-seven percent of the SORGHUM acreage for grain has been harvested by Sunday, October 30. Last year, 72% had been harvested while the average is 74%.

As of Sunday, October 30, 44% of the 1984 Corn and Soybean intended acreage had been tilled (plowed or chiseled), compared to 31% for last fall and 35% for the average.

PASTURE condition on Friday, October 28, was 4% excellent, 43% good, 43% fair, 7% poor, and 3% a failure. Pastures were supplying 54% of the total restock roughage requirements, compared to 65% last year and the average of 52%.

SOIL MOISTURE was reported to be 19% short, 73% adequate, and 8% surplus on Friday, October 28.

WEATHER

PRECIPITATION: The week of October 24-30 brought less than 0.25 inches of rain across the State of Illinois with most stations reporting less than 0.10 inches of rain. The heaviest amounts fell in the areas around Moline and Peoria which reported .12 and .19 inches respectively. TEMPERATURES across the State were near normal early in the week. On Friday warm southwest winds out ahead of a cold front pushed temperatures 11 to 15 degrees above normal. After the cold front moved across the State, temperatures behind the front dropped to 6 to 7 degrees below normal in Northern and Eastern Illinois. Elsewhere across the State, temperatures dropped to slightly below normal. The OUTLOOK for the week of October 31 thru November 6 calls for some rain over Northern Illinois on Monday. Highs will range from the 50's in the North to around 70 degrees in the South. Tuesday will be windy and warmer with highs ranging from the 60's in the North to mid-70's in the extreme South. Wednesday and Thursday will be partly cloudy and mild while Friday will bring a chance of showers. Highs will be in the 60's and 70's.

STATE WATER SURVEY DIVISION

Soil moisture was measured by the State Water Survey Division at sites of the Illinois Climatological Network throughout the State during the period of October 25-28. These values are for total soil moisture, not Potential Plant Available Moisture.

| Site | County | Inches of Soil Moisture | |
|---------------|------------|-------------------------------------|----------------------|
| | | Total Soil Moisture, surface to 20" | Change in last month |
| Freeport | Stephenson | 5.5 | +0.1 |
| Shabbona | De Kalb | 6.2 | +0.2 |
| Mommouth | Warren | 5.9 | +0.2 |
| Appleton | Knox | 5.6 | +0.1 |
| Peoria | Tazewell | 5.9 | -0.1 |
| Topeka | Mason | 3.3 | +0.2 |
| Bondville | Champaign | 5.8 | +2.4 |
| Perry | Pike | 4.4 | +1.3 |
| Springfield | Sangamon | 5.9 | +2.3 |
| Brownstown | Fayette | 6.1 | +3.4 |
| Olney | Richland | 6.0 | +2.6 |
| Salem | Marion | 5.8 | +3.4 |
| Belleville | St. Clair | 5.8 | +1.6 |
| Ina | Jefferson | 6.3 | +2.8 |
| Carbondale | Jackson | 5.5 | +3.2 |
| Dixon Springs | Pope | 5.8 | +3.2 |

ILLINOIS CROP REPORTING DISTRICT SUMMARY

| Crop and Soil Characteristics | NW | NE | W | C | E | WSW | ESE | SW | SE | STATE | 5-YR. AVG. |
|-------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|------------|
| As of October 30 | | | | | | | | | | | |
| Corn: % harvested | 92 | 85 | 95 | 98 | 97 | 96 | 88 | 80 | 83 | 92 | 76 |
| Soybeans: % harvested | 95 | 98 | 99 | 100 | 100 | 98 | 92 | 88 | 90 | 96 | 95 |
| Week ending October 28 | | | | | | | | | | | |
| Days suitable for fieldwork: | 5.0 | 4.0 | 3.5 | 3.5 | 3.0 | 3.5 | 3.0 | 2.5 | 2.5 | 3.25 | |
| Soil moisture % Short: | 30 | 0 | 30 | 25 | 10 | 40 | 0 | 0 | 0 | 19 | |
| Adequate: | 70 | 100 | 70 | 75 | 90 | 55 | 90 | 75 | 60 | 73 | |
| Surplus: | 0 | 0 | 0 | 0 | 0 | 5 | 10 | 25 | 40 | 8 | |

Illinois Weather & Crops
October 31, 1983

MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

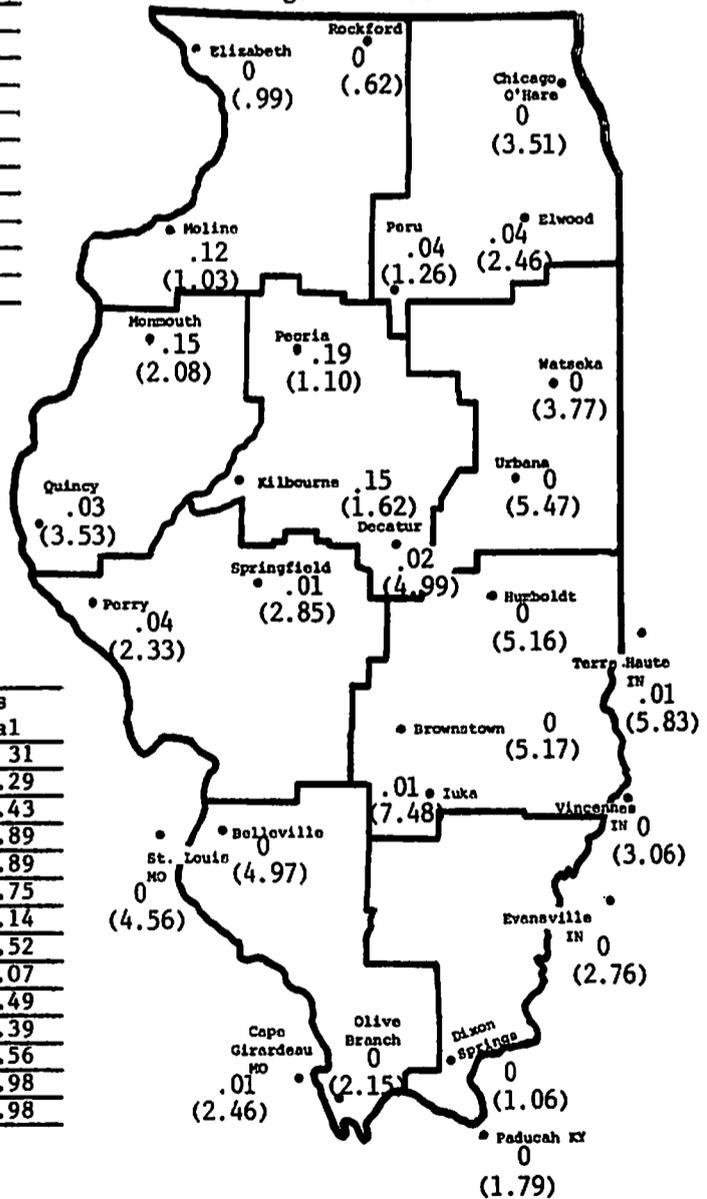
| | August | September | Sept. 27- Oct. 3 | Oct. 4- 10 | Oct. 11- 17 | Oct. 18- 24 | Oct. 25- 31 |
|-------------|--------|-----------|---------------------|---------------|----------------|----------------|----------------|
| Chicago | +5 | 0 | +7 | +2 | 0 | 0 | 0 |
| Peoria | +8 | +2 | +10 | +3 | +1 | +1 | +3 |
| Springfield | +6 | +2 | +8 | +4 | +1 | -1 | +1 |
| St. Louis | +7 | +2 | +8 | +4 | -1 | -1 | -2 |

| Station | Week ending Monday, 6 A.M., October 31 | | |
|------------------|--|---------|---------|
| | Temperatures | | |
| | Maximum | Minimum | Average |
| Moline | 73 | 31 | 52.1 |
| Rockford | 69 | 29 | 45.5 |
| Chicago O'Hare | 73 | 32 | 48.9 |
| Quincy | 71 | 38 | 52.5 |
| Decatur | 74 | 33 | 50.9 |
| Peoria | 73 | 35 | 51.5 |
| Watseka 1/ | 71 | 31 | 48.4 |
| Springfield | 75 | 35 | 51.8 |
| Brownstown 1/ | 70 | 35 | 50.9 |
| St. Louis | 79 | 41 | 56.3 |
| Dixon Springs 1/ | 77 | 32 | 56.4 |

1/ Two-year average--1980 not available.

PRECIPITATION:

First figure--Current week, Oct. 25-31
Parentheses--Previous week
M--Missing. T--Trace



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

Precipitation: Week ending October 31

| Station | : Accumulations : | | : Departures | |
|----------------|-------------------|-----------------------------|--------------------------|------------------------|
| | : Current week : | : Normal in 1983 since 1/ : | : in 1983 since Apr. 1 : | : from normal May 31 : |
| Rockford | : 0.00 | : 0.63 | : 22.97 | : 14.09 - 4.21 - 5.29 |
| Chicago O'Hare | : 0.00 | : 0.49 | : 34.38 | : 20.33 +10.88 + 3.43 |
| Watseka | : 0.00 | : 0.56 | : 26.60 | : 16.48 - 0.17 - 1.89 |
| Peru | : 0.04 | : 0.63 | : 25.80 | : 14.67 + 0.44 - 2.89 |
| Moline | : 0.12 | : 0.63 | : 24.46 | : 17.66 - 3.05 - 1.75 |
| Peoria | : 0.19 | : 0.56 | : 27.96 | : 14.40 + 2.92 - 3.14 |
| Monmouth | : 0.15 | : 0.70 | : 21.86 | : 13.56 - 4.42 - 5.52 |
| Quincy | : 0.03 | : 0.63 | : 22.40 | : 11.79 - 2.96 - 6.07 |
| Springfield | : 0.01 | : 0.56 | : 18.25 | : 10.16 - 4.60 - 5.49 |
| Decatur | : 0.02 | : 0.56 | : 29.45 | : 14.67 + 3.29 - 3.39 |
| Urbana | : 0.00 | : 0.56 | : 34.15 | : 23.07 + 9.14 + 5.56 |
| Belleville | : 0.00 | : 0.56 | : 21.97 | : 11.64 - 1.85 - 4.98 |
| Evansville, IN | : 0.00 | : 0.56 | : 33.23 | : 14.07 + 8.78 - 1.98 |

1/ 30-year average (1951-80).