

ILLINOIS WEATHER & CROPS



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COOPERATIVE CROP
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ILLINOIS STATE
WATER SURVEY



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CROPS

Harvesting of corn and soybeans was slowed last week by rain in northern areas of the State with most work done early in the week. Drier conditions in central and southern areas allowed harvesting to make better progress while slowing emergence of wheat. For the week of October 5-11, an average of 4.25 days was reported as suitable for fieldwork.

By October 13, 33% of the CORN acreage was harvested for grain, compared to 32% last year and the 5-year average (1980-84) of 45%.

By October 13, 97% of the SOYBEAN acreage was shedding leaves, compared to 99% last year and the 5-year average (1980-84) of 99%. Sixty percent of the acreage had been harvested, compared to 55% last year and the average of 71%.

By October 13, 36% of the SORGHUM acreage was harvested for grain, compared to 29% last year and the 5-year average (1980-84) of 47%.

By October 13, 50% of the WINTER WHEAT acreage had been seeded, compared to 38% last year and the 5-year average (1980-84) of 51%. Fifteen percent of the acreage had emerged, compared to 19% last year and the average of 21%.

PASTURE condition on October 11 was reported as 11% excellent, 55% good, 27% fair, and 7% poor.

SOIL MOISTURE on October 11 was reported as 28% short, 49% adequate, and 23% surplus.

WEATHER

This past week represents a change to dramatically warmer TEMPERATURES than the week before. None of the reporting sites reported frost. Average high temperatures varied from the mid-40's to mid-80's during the first few days, to the mid-60's to high 80's during the last two days. There was generally a 25° temperature difference from Northern to Southern Illinois. Lows were about 10 to 20° cooler depending on whether clouds were present or not. Northern Illinois was 1 to 3° below normal for the period, whereas the southern three-fourths of the State was between 4 and 10° above normal.

PRECIPITATION was frequent, though not particularly heavy during the period. Large areas received precipitation during most of the week with daily amounts being from a trace to as much as 0.5 inch. Total amounts varied from 0.2 to 0.4 inch in the southern one-third, and from 0.5 to 2.5 inches in the North. The northern one-third was generally 1 to 2 inches greater than normal, and the South about 0.5 inch below normal. Heaviest precipitation was received at Morrison (3.18").

The OUTLOOK for October 15-20 calls for clear skies through midweek with high temperatures in the upper 60's to mid-70's. There is a chance of showers Friday or Saturday.

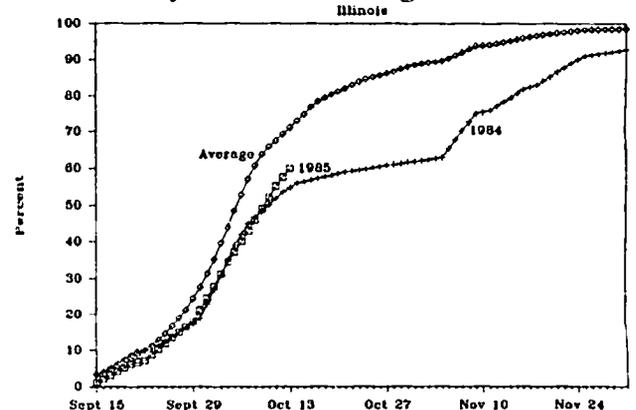
The 3-MONTH OUTLOOK for October thru December is for temperatures and precipitation to be slightly above normal.

SEPTEMBER WEATHER SUMMARY

Average monthly TEMPERATURES were 0.2° below normal in the State. Temperatures ranged from 2° above normal to 3° below normal in most sections. The Southwest, East, and East-Southeast Districts were below normal. The Northwest District, near Moline, had the largest above normal variation (1.5° above normal). The Southwest District, around Cairo, recorded the largest below normal variation (2.8° below normal). A warm period began in the southern half of the State during the first week, and by the second week the very warm air spread northward. This sent maximum readings into the upper 90's in many sections, as departures ran from 5 to 17° above normal. A cool period developed around midmonth as maximum temperatures fell into the 60's and 70's. Minimum temperatures were generally in the 40's and 50's during this period. Temperatures again climbed above normal in the third week, but fell below normal during the fourth week.

PRECIPITATION averaged below normal in the State (-1.68 inches). The northern districts were more than 1 inch below normal, while the southern districts were more than 2 inches below normal. The East-Southeast District had the largest below normal variation (2.88 inches below normal). The Southeast District was only slightly below normal. The area around Brookport, in the Southeast District, had the greatest amount of rain with a monthly total of 6.75 inches. The area near Prairie Du Rocher, in the Southwest District reported the least amount of rain with 0.15 of an inch. The first week of the month was dry in many sections and this trend continued in some areas until the end of the month. However, Cairo received most of its rain on the 4th and 5th (3.44 inches). This was the largest 24-hour total rainfall in the State. The northern areas received around 1 inch during the second week. Light to moderate rain fell over scattered areas of the State during the third and fourth weeks.

Soybeans - Acreage Harvested



ILLINOIS CROP REPORTING DISTRICT SUMMARY

| | NW | NE | W | C | E | WSW | ESE | SW | SE | STATE | 5-YR. AVG. |
|------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|------------|
| As of October 13 | | | | | | | | | | | |
| Corn: % harvested | 20 | 16 | 26 | 45 | 38 | 38 | 42 | 50 | 50 | 33 | 45 |
| Soybeans: % harvested | 28 | 34 | 34 | 68 | 76 | 60 | 82 | 62 | 42 | 60 | 71 |
| Week ending October 11 | | | | | | | | | | | |
| Days suitable for fieldwork: | 2.5 | 2.5 | 2.5 | 3.5 | 4.0 | 5.0 | 6.5 | 6.5 | 6.5 | 4.25 | |
| Soil Moisture %: | | | | | | | | | | | |
| Short | 15 | 5 | 0 | 10 | 20 | 25 | 70 | 85 | 20 | 28 | |
| Adequate | 50 | 50 | 35 | 80 | 40 | 65 | 30 | 15 | 80 | 49 | |
| Surplus | 35 | 45 | 65 | 10 | 40 | 10 | 0 | 0 | 0 | 23 | |

CROP INFORMATION in this report is provided voluntarily by county officials of Extension Service and SCS, and agribusiness managers.

Additional WEATHER INFORMATION is provided by Midwest Agr. Weather Serv. Ctr. (W. Lafayette, Ind.) and National Weather Service Cooperative Observers.

NEWSPAPER TIME VALUE

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October 15, 1985

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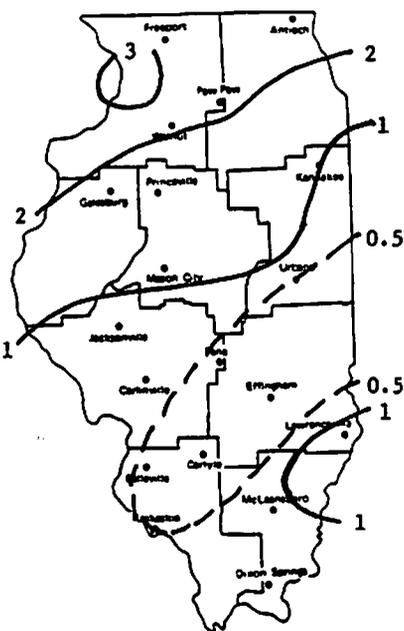
PRELIMINARY DISTRICT PRECIPITATION AVERAGES AND DEPARTURES FROM NORMAL IN INCHES

| | NW | NE | W | C | E | WSW | ESE | SW | SE |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| September | 2.41 | 2.27 | 2.82 | 1.61 | 1.19 | 0.96 | 0.27 | 1.37 | 2.34 |
| Departure | -1.27 | -1.04 | -1.02 | -1.84 | -1.83 | -2.37 | -2.88 | -2.05 | -0.80 |

Week ending Sunday, October 13, 1985

| Location | Temperatures | | | Precipitation | | Growing Degree Days (50 deg) | | % Plant Avail. | | |
|---------------|--------------|--------------|----------------|-----------------|--------------------|---------------------------------|-----------------|--------------------|---------------------------------|----------------------------------|
| | Maxi- mum | Mini- mum | Depar- ture | Curr. : week | : Since : May 1 | Departure : since : May 1 | Curr. : week | : Since : May 1 | Departure : since : May 1 | Soil Moist. 1/ : 0-6" : 6-20" |
| Freeport | 72 | 34 | -2 | 2.75 | 21.22 | 0.81 | 47 | 2694 | -136 | 72 92 |
| Paw Paw | 72 | 35 | -4 | 1.45 | 17.57 | -2.28 | 54 | 2599 | -659 | 41 55 |
| Antioch | 67 | 34 | -7 | 2.71 | 20.87 | 1.33 | 39 | 2597 | -504 | 27 27 |
| Galesburg | 73 | 43 | 0 | 0.53 | 13.36 | -8.90 | 61 | 2937 | -144 | 36 39 |
| Walnut | 73 | 41 | -3 | 1.39 | 17.30 | -2.55 | 35 | 2693 | -565 | 41 55 |
| Mason City | 78 | 48 | 2 | 0.76 | 15.56 | -2.73 | 55 | 3190 | -165 | 28 26 |
| Princeville | 73 | 40 | -3 | 1.27 | 20.90 | 0.86 | 52 | 2730 | -406 | 36 35 |
| Kankakee | 82 | 38 | 0 | 0.98 | 17.05 | -3.50 | 61 | 2921 | -199 | 27 27 |
| Jacksonville | 79 | 45 | 1 | 0.85 | 20.97 | 2.68 | 75 | 2941 | -414 | 55 72 |
| Pana | 84 | 48 | 5 | 0.25 | 14.72 | -6.24 | 108 | 3178 | -212 | 5 42 |
| Urbana | 84 | 49 | 6 | 0.21 | 19.47 | -0.38 | 94 | 3088 | -135 | 0 34 |
| Carlinville | 81 | 52 | 6 | 0.51 | 18.24 | -0.88 | 110 | 3327 | -99 | 55 72 |
| Effingham | 83 | 47 | 8 | 0.16 | 17.44 | -1.98 | 116 | 3240 | -149 | 0 30 |
| Lawrenceville | 84 | 47 | 8 | 1.71 | 20.74 | -0.19 | 124 | 3239 | -271 | 0 30 |
| Belleville | 83 | 56 | 7 | 0.03 | 16.80 | -0.60 | 131 | 3407 | -241 | 0 11 |
| Carlyle | 85 | 36 | 5 | 0.03 | 15.53 | -3.82 | 122 | 3439 | -125 | 17 59 |
| McLeansboro | 84 | 44 | 7 | 0.72 | 19.28 | -0.39 | 134 | 3367 | -344 | 0 28 |
| Kaskia | 86 | 45 | 6 | 0.44 | 17.35 | -2.89 | 121 | 3548 | -53 | 15 40 |
| Olson Springs | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 50 76 |

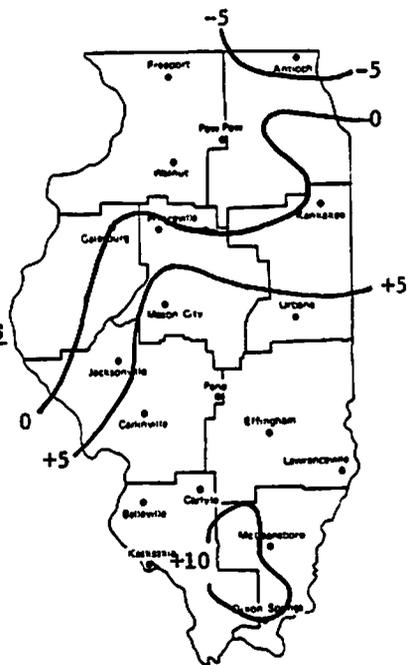
Soil moisture measurements are based on readings from closest station. Readings taken approximately September 30.
27 Missing data.



TOTAL PRECIPITATION
FOR WEEK ENDING
OCTOBER 13

MONTHLY TEMPERATURE DEPARTURES IN DEGREES

| | June | July | August | Sept. |
|-------------|------|------|--------|-------|
| Chicago | -5 | -2 | -3 | +1 |
| Peoria | -3 | -1 | -3 | +1 |
| Springfield | -3 | -2 | -4 | 0 |
| St. Louis | -3 | 0 | -2 | +1 |



MEAN TEMPERATURE DEVIATIONS
FROM NORMAL FOR
WEEK ENDING OCTOBER 13