

# ILLINOIS

## WEATHER & CROPS



### ILLINOIS COOPERATIVE CROP REPORTING SERVICE

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RELEASED: OCTOBER 11, 1983, 3 P.M., CDT

VOL.4, NO.30

CROP HI-LITES

- \*\*\* Corn - 47% harvested
- \*\*\* Soybeans - 98% shedding leaves, 78% harvested
- \*\*\* Soil Moisture - 57% short, 43% adequate

There were 6.25 DAYS SUITABLE for FIELDWORK for the week ending Friday, October 7. Warm and dry weather over most of the State allowed farmers to make rapid progress in harvesting their crops. Southern areas received heavy rain on Tuesday, which slowed fieldwork.

Seventy-seven percent of the CORN crop has been harvested for grain, as of Sunday, October 9, ahead of 27% for last year and 29% for the 5-year average (1978-82).

Ninety-eight percent of the SOYBEAN acreage was shedding leaves, on Sunday, October 9, compared to 99% last year and the 5-year average of 98%. Seventy-eight percent of the soybeans have been harvested. In 1982, 73% of the soybean acreage had been harvested while the average is 64%.

Seeding of the 1984 WINTER WHEAT crop is 40% complete, compared to 42% for both last year and the average. Ten percent of the acreage has emerged. Last year, 16% had emerged while the average is 12%. Rain in the major wheat growing areas has improved seeding conditions.

Forty-five percent of the SORGHUM acreage has been harvested for grain on Sunday, October 9. Last year, 43% had been harvested while the average is 34%.

As of Sunday, October 9, 20% of the 1984 Corn and Soybean acreage had been TILLED (plowed or chiseled), compared to 14% last fall and the average of 11%.

PASTURE condition on Friday, October 7, was 2% excellent, 18% good, 39% fair, 34% poor, and 7% a surplus.

SOIL MOISTURE was reported to be 57% short and 43% adequate on Friday, October 7.

WEATHER

TEMPERATURES for the period of October 3-9 averaged from normal to 6 degrees above normal over the State. The warmest area was in the central and west-southwest sections where readings were 5 to 6 degrees above normal. The warm period continued for the second straight week as readings climbed into the 80's over much of the State. On October 9 the northwest section of the State recorded minimum temperatures of 34 to 41 degrees which resulted in some frost in those areas.

PRECIPITATION was light over much of the State with a few areas receiving no rainfall. The southern part of the State received the greatest amounts of precipitation which ranged from 1 inch to nearly 4 inches. Most of this rain fell during a 24-hour period on Tuesday, October 4.

The OUTLOOK for the week of October 11 through 17 is for temperatures to be above normal and precipitation to be near normal.

STATE WATER SURVEY DIVISION

The State Water Survey Division reports that Potential Plant Available Moisture (PPAM) declined in the moderately well-drained Flanagan soil four miles south of Bondville in Champaign County during the week ending October 7. Only a trace of precipitation was recorded last week. In the soil layer from the surface to 4 inches the PPAM declined from 11% to 5%; at the 4 to 12-inch depth, the PPAM was unchanged--0%; and at the 12 to 20-inch depth, the PPAM declined from 5% to 0%. Over the total soil column from the surface to nearly 7 feet, the PPAM declined from 37% to 36%. This is the driest moisture profile ever measured at this site in the past two and one-half years.

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 9										
Corn: % harvested	38	23	48	60	50	65	45	50	36	47	29
Soybeans: % harvested	72	68	81	88	94	80	80	58	50	78	64
Week ending October 7											
Days suitable for fieldwork:	7.0	7.0	7.0	7.0	7.0	7.0	6.0	4.5	4.5	6.25	
moisture % Short:	5	15	90	70	55	100	70	60	10	57	
Adequate:	95	85	10	30	45	0	30	40	90	43	
Surplus:	0	0	0	0	0	0	0	0	0	0	

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MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

	July	August	August 30- Sept. 5	Sept. 6- 12	Sept. 13- 19	Sept. 20- 26	Sept. 27- Oct. 3	Oct. 4- 10
Chicago	+4	+5	+9	+7	-2	-6	+7	+2
Peoria	+5	+8	+9	+9	+2	-5	+10	+3
Springfield	+4	+6	+7	+9	+2	-6	+8	+4
St. Louis	+5	+7	+6	+12	+2	-6	+8	+4

Station	Week ending Monday, 6 A.M., October 10						
	Temperatures			Growing degree days 1/			
	Maxi-	Mini-	Aver-	Current	3-yr.	Totals	Totals
	:mum	:mum	:age	: week	:av.2/:	1982	1983
Moline	: 83	: 34	: 58.6	: 81	: 3281	: 3282	: 3407
Rockford	: 85	: 39	: 59.9	: 79	: 2991	: 2954	: 3104
Chicago O'Hare	: 80	: 35	: 58.4	: 72	: 3008	: 2897	: 3078
Quincy	: 84	: 40	: 62.2	: 94	: 3540	: 3410	: 3510
Decatur	: 86	: 39	: 61.2	: 88	: 3372	: 3245	: 3342
Peoria	: 81	: 41	: 60.2	: 84	: 3423	: 3355	: 3508
Watseka 3/	: 86	: 35	: 58.2	: 79	: 3016	: 3031	: 3133
Springfield	: 88	: 42	: 63.4	: 101	: 3653	: 3546	: 3596
Brownstown 3/	: 86	: 41	: 60.9	: 87	: 3538	: 3432	: 3505
St. Louis	: 88	: 47	: 65.4	: 108	: 4002	: 3875	: 3959
Dixon Springs 3/	: 85	: 44	: 66.1	: 117	: 3952	: 3892	: 3872

- 1/ Totals are accumulated from April 1.
- 2/ Average of accumulated totals for 1980, 1981 and 1982.
- 3/ Two-year average--1980 not available.

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 10

Station	Accumulations		Departures	
	: Current	: Normal	: in 1983 since	: from normal
	: week	: 1/	: Apr.1	: May 31
			: Apr.1	: May 31
Rockford	: 0.53	: 0.63	: 21.12	: 12.24
Chicago O'Hare	: 0.17	: 0.49	: 30.13	: 16.08
Watseka	: 0.00	: 0.56	: 21.40	: 11.28
Peru	: 0.04	: 0.63	: 24.49	: 13.36
Moline	: 0.09	: 0.63	: 22.19	: 15.39
Peoria	: 0.00	: 0.56	: 25.36	: 11.80
Monmouth	: 0.00	: 0.70	: 18.21	: 9.91
Quincy	: 0.00	: 0.63	: 17.89	: 7.28
Springfield	: 0.04	: 0.56	: 14.52	: 6.43
Decatur	: 0.00	: 0.56	: 24.03	: 9.25
Urbana	: 0.25	: 0.56	: 26.99	: 16.01
Belleville	: 0.20	: 0.56	: 15.79	: 5.46
Evansville, IN	: 2.41	: 0.56	: 30.02	: 10.86

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

PRECIPITATION:

First figure--Current week, Oct. 4-10  
Parentheses--Previous week  
M--Missing. T--Trace

