

ILLINOIS

WEATHER & CROPS



ILLINOIS COOPERATIVE CROP REPORTING SERVICE

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CROP HI-LITES

*** Corn - 83% harvested
 *** Soybeans - 93% harvested
 *** Wheat - 80% seeded, 55% emerged
 *** Soil Moisture-31% short, 48% adequate, 21% surplus

There were 3.75 DAYS SUITABLE FOR FIELDWORK for the week ending Friday, October 21. Early in the week, conditions were again favorable for harvest. However, on Tuesday, rain started in southern areas and then spread north with the northwest area receiving the lightest amounts. This has stopped harvest and many areas will need several days of dry, sunny weather before fields will be dry enough for harvest to resume.

Eighty-three percent of the CORN crop has been harvested for grain, as of Sunday, October 23, ahead of last year at 64%, and 61% for the 5-year average (1978-82).

SOYBEAN harvesting is 93% complete as of Sunday, October 23. In 1982, 90% of the soybean acreage had been harvested while the average is 89%.

Seeding of the 1984 WINTER WHEAT crop is 80% complete, compared to 82% for both last year and the average. Fifty-five percent of the acreage has emerged. Last year, 53% had emerged while the average is 52%. Condition of the crop was reported as 8% excellent, 59% good, 28% fair, and 5% poor.

Seventy-nine percent of the SORGHUM acreage has been harvested for grain by Sunday, October 23. Last year, 58% had been harvested while the average is 61%.

As of Sunday, October 23, 39% of the 1984 Corn and Soybean intended acreage had been tilled (plowed or chiseled), compared to 25% for last year and 27% for the average.

PASTURE condition on Friday, October 21, was 4% excellent, 25% good, 53% fair, 15% poor, and 3% a failure.

SOIL MOISTURE was reported to be 31% short, 48% adequate, and 21% surplus on Friday, October 21.

WEATHER

TEMPERATURES across the State varied somewhat with the northern two-thirds of the State reporting below normal temperatures. Temperatures in the Rockford and Moline areas averaged 2 to 3 degrees below normal, while temperatures at Springfield and Decatur averaged from 3 to 5 degrees below normal. In the southern third of Illinois, temperatures averaged from 1 to 4 degrees above normal.

PRECIPITATION: The week of October 17 to 23 brought a considerable amount of rain to the State of Illinois with the exception of Northwestern Illinois. Weekly rainfall totals generally exceeded 2 inches with many areas receiving 3 to 5 inches. Northwestern Illinois, including Moline and Rockford, received less than 1 inch. The OUTLOOK for the week of October 24-30 calls for the State to be mostly cloudy Monday morning, becoming partly sunny Monday afternoon. High temperatures will be mostly in the 50's. Tonight will be partly cloudy with a chance of showers in Northwestern Illinois. Tuesday will be mostly cloudy, windy and cool with a chance of showers with highs in the 50's. The remainder of the week will be fair and warmer with highs in the upper 60's to upper 70's.

SEPTEMBER WEATHER SUMMARY

Average monthly TEMPERATURES ranged from normal to 2 degrees above normal throughout the State. The Central and the South-Southwest Districts had the largest above normal variation (2.3 degrees above normal). Temperatures were above normal throughout the first half of the month with maximum readings climbing into the 90's in many areas. New record temperatures were set in some portions of the State, as temperatures averaged above normal for the fourth straight month. The third week of September was below normal but temperatures again warmed above normal during the last week of the month. PRECIPITATION was below normal again in all districts except the Northwest. Many stations received less than 0.50 of an inch as the dry period continued. The largest below normal variation was in the West-Southwest District. After a dry first week, rainfall was moderate during the next 3 weeks in the northern half of Illinois. The EXTENDED OUTLOOK from October 15 to November 15 1983 is for temperatures and precipitation to be above normal.

STATE WATER SURVEY DIVISION

The State Water Survey Division reports that Potential Plant Available Moisture (PPAM) increased in the moderately well-drained Flanagan soil four miles south of Bondville in Champaign County during the week ending October 21. Precipitation totaled 1.85 inches last week. In the soil layer from the surface to 4 inches the PPAM increased from 50% to 95%; at the 4 to 12-inch depth, the PPAM increased from 22% to 60%; and at the 12 to 20-inch depth, the PPAM increased from 12% to 35%. Over the total soil column from the surface to nearly 7 feet, the PPAM increased from 43% to 55%.

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 23											
Corn: % harvested	77	59	89	92	93	93	84	72	67	83	61
Soybeans: % harvested	90	94	97	99	99	96	89	80	80	93	89
Week ending October 21											
Days suitable for fieldwork:	4.5	4.5	4.0	4.0	4.5	3.5	3.0	3.0	3.0	3.75	
Soil moisture % Short:	5	0	50	45	50	80	15	0	0	31	
Adequate:	90	85	50	50	40	15	45	45	20	48	
Surplus:	5	15	0	5	10	5	40	55	80	21	

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PRELIMINARY DISTRICT PRECIPITATION AVERAGES AND DEPARTURES FROM NORMAL IN INCHES

	NW	NE	W	C	E	WSW	ESE	SW	SE
September	4.50	2.79	2.53	2.01	1.93	1.11	1.36	1.55	0.97
Departure	+0.82	-0.52	-1.31	-1.44	-1.09	-2.22	-1.79	-1.87	-2.17

MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

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

Station	Week ending Monday, 6 A.M., October 24						
	Temperatures		Growing degree days 1/				
	Maxi- :mum	Mini- :mum	Aver- :age	Current : week	3-yr- :av. 2/	Totals : 1982	Totals : 1983
Moline	63	32	49.4	17	3368	3364	3473
Rockford	62	30	48.9	13	3062	3015	3161
Chicago O'Hare	61	37	51.6	21	3081	2963	3156
Quincy	63	41	51.5	17	3601	3375	3591
Decatur	63	43	52.0	24	3464	3314	3420
Peoria	64	45	52.5	23	3510	3433	3590
Watseka 3/	65	40	51.1	25	3087	3099	3212
Springfield	66	45	52.9	24	3768	3632	3690
Brownstown 3/	69	49	55.0	37	3634	3518	3587
St. Louis	69	51	57.2	52	4129	3979	4081
Xon Springs 3/	74	52	62.6	88	4084	4024	4046

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 24

Station	Precipitation		Accumulations		Departures	
	: Current : week	: Normal : 1/	: in 1983 : Apr. 1	: since : May 31	: from normal : Apr. 1	: from normal : May 31
Rockford	: 0.62	: 0.63	: 22.97	: 14.09	: - 3.58	: - 4.66
Chicago O'Hare	: 3.51	: 0.49	: 34.38	: 20.33	: +11.37	: + 3.92
Watsaka	: 3.77	: 0.56	: 26.60	: 16.48	: + 0.39	: - 1.33
Peru	: 1.26	: 0.63	: 25.76	: 14.63	: + 1.03	: - 2.30
Moline	: 1.03	: 0.63	: 24.34	: 17.54	: - 2.54	: - 1.24
Peoria	: 1.10	: 0.56	: 27.77	: 14.21	: + 3.29	: - 2.77
Monmouth	: 2.08	: 0.70	: 21.71	: 13.41	: - 3.87	: - 4.97
Quincy	: 3.53	: 0.63	: 22.37	: 11.76	: - 2.36	: - 5.47
Springfield	: 2.85	: 0.56	: 18.24	: 10.15	: - 4.05	: - 4.94
Decatur	: 4.99	: 0.56	: 29.43	: 14.65	: + 3.83	: - 2.85
Urbana	: 5.47	: 0.56	: 34.15	: 23.07	: + 9.70	: + 6.12
Belleville	: 4.97	: 0.56	: 21.97	: 11.64	: - 1.29	: - 4.42
Evansville, IN	: 2.76	: 0.56	: 33.23	: 14.07	: + 9.34	: - 1.42

30-year average (1951-80).

PRECIPITATION:
First figure--Current week, Oct. 18-24
Parentheses--Previous week
M--Missing, T--Trace

