

ILLINOIS

WEATHER & CROPS



ILLINOIS COOPERATIVE CROP REPORTING SERVICE

Illinois Department of Agriculture
 STATISTICAL REPORTING SERVICE USDA
 Box 429 Springfield, Illinois 62705
 Phone: (217) 492-4285

CONTRIBUTORS:

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

RELEASED: OCTOBER 4, 1982, 3 P.M., CDT

VOL. 3, NO. 29

CROP HI-LITES

- *** Corn - 14% harvested
- *** Soybeans - 92% shedding leaves
44% harvested
- *** Wheat - 18% seeded
- *** Soil Moisture - 25% short
75% adequate
0% surplus

Fourteen percent of the CORN crop has been harvested as of Sunday, October 3, compared to 14% last year and the 5-year average (1977-81) of 19%.

Ninety-two percent of the SOYBEANS was shedding leaves as of October 3, compared to 82% last year and the average of 93%. Forty-four percent of the soybean crop has been harvested compared to 25% year and the average of 38%.

Eighteen percent of the 1983 WINTER WHEAT crop in Illinois has been seeded as of October 3, compared to 18% last year and the average of 19%.

As of October 3, 7% of the intended ground for Corn and Soybeans has been TILLED (plowed or chiseled) for next year's crop. This compares with 5% last year and the average of 6%.

SORGHUM on October 3 was 15% harvested.

PASTURES on Friday, October 1, were reported as 5% excellent, 78% good and 17% fair.

SOIL MOISTURE was reported as 25% short, 75% adequate and 0% surplus on October 1.

There were 6.50 DAYS SUITABLE FOR FIELDWORK for the week ending October 1.

SOIL MOISTURE MEASUREMENTS

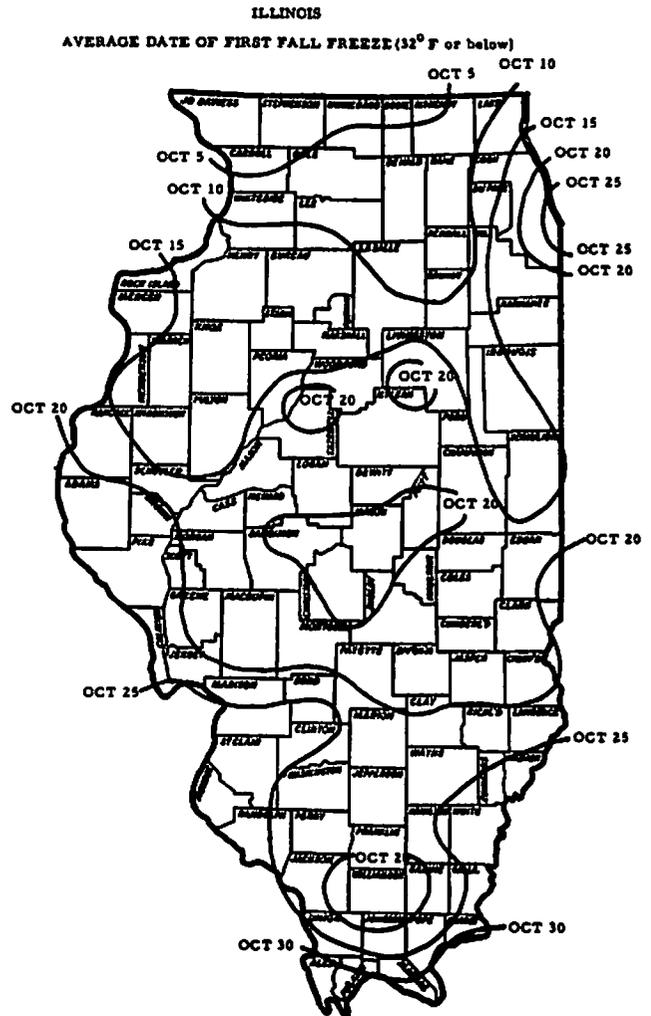
The soil moisture measuring site of the Illinois State Water Survey south of Bondville in Champaign County received no measurable precipitation during the week prior to the measurement on September 27. Consequently, the well-drained Flanagan soil decreased in Potential Plant Available Moisture (PPAM) over that period. Between the surface and 4 inches depth the decline was from 50% to 34% of PPAM, between 4 and 12 inches the decrease was from 14% to 2%, and from 12 to 20 inches the decrease was from 23% to 21%. Over the total depth from the surface to nearly 7 feet the decrease was from 57% to 54% of PPAM.

WEATHER

TEMPERATURES for the period of September 27 through October 3 averaged from 3 to 6 degrees above normal throughout the State. Maximum temperatures climbed into the 80's in many sections.

PRECIPITATION amounts were light in most sections with little or no rain being recorded. The area around Decatur received the most rain.

The OUTLOOK for the period of October 5 - 11 is for temperatures to be above normal and precipitation to be below normal.



ILLINOIS CROP REPORTING DISTRICT SUMMARY

Crop and Soil Characteristics	NW	NE	W	C	E	WSW	ESE	SW	SE	STATE	5-YR. AVG.
Corn: % harvested (as of Oct. 3)	7	12	14	20	15	13	12	25	30	14	19
Soybeans: % combined (as of Oct. 3)	35	35	40	50	60	30	50	35	40	44	38
Days suitable for fieldwork: (week ending Oct. 1)	7.0	6.5	6.5	7.0	6.5	7.0	5.5	7.0	7.0	6.50	
moisture %:											
of Oct. 1) Short	15	45	—	50	50	—	—	—	25	25	
Adequate	85	55	100	50	50	100	100	100	75	75	
Surplus	—	—	—	—	—	—	—	—	—	—	

Illinois Weather & Crops
 October 4, 1982

ILLINOIS WEATHER

MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

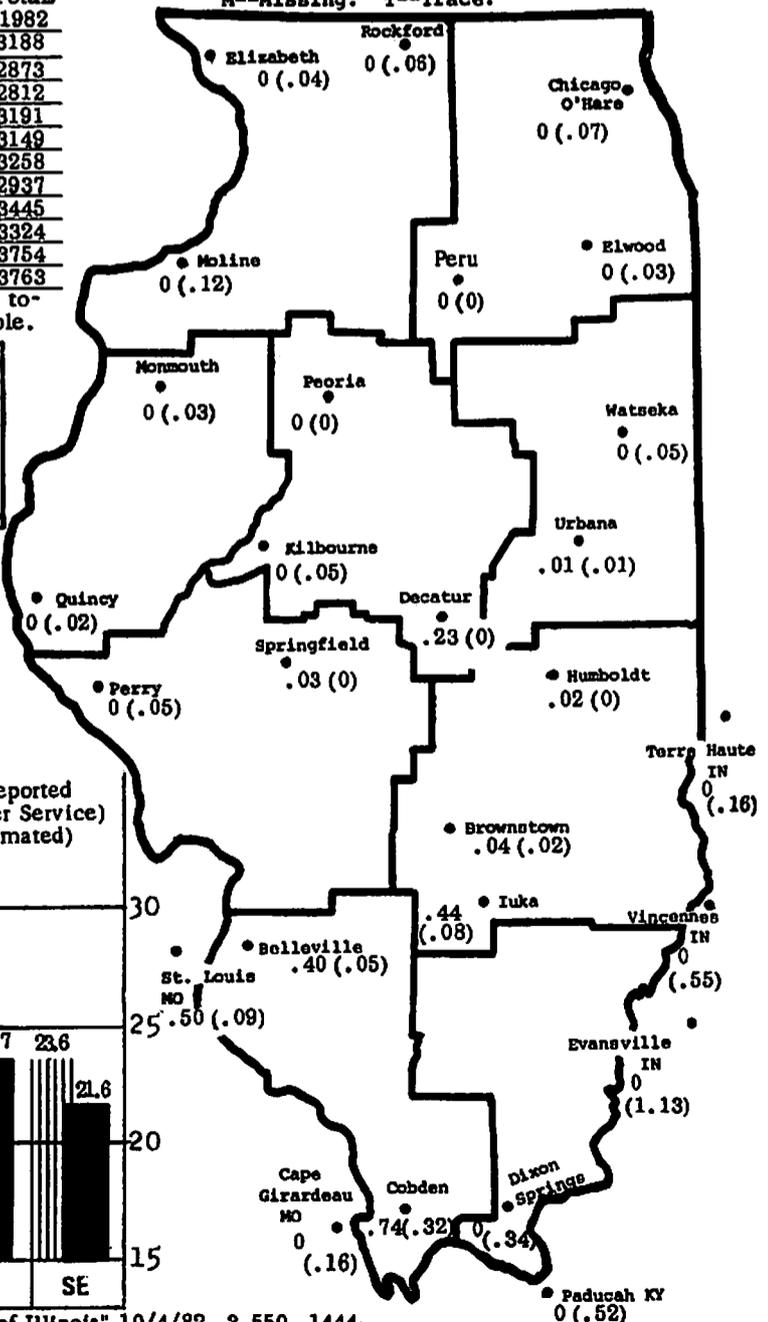
	July	August	Aug. 31- Sept. 6	Sept. 7- 13	Sept. 14- 20	Sept. 21- 27	Sept. 28- Oct. 4
Chicago	+2	-2	0	+3	+3	-8	+6
Peoria	+2	-2	+1	+3	+3	-7	+7
Springfield	+1	-2	+1	+4	+4	-8	+7
St. Louis	0	-2	0	+3	+3	-7	+6

Station	Week ending Monday, 6 A.M., October 4						
	Temperatures			Growing degree days 1/			
	Maxi- mum	Mini- mum	Aver- age	Current	3-yr. av. 2/	Totals 1981	Totals 1982
Moline	86	43	67.0	124	3197	3122	3188
Rockford	87	43	65.8	114	2920	2915	2873
Chi. O'Hare	85	41	65.0	111	3000	2944	2812
Quincy	85	51	68.4	129	3511	3299	3191
Decatur	84	44	65.0	107	3350	3222	3149
Peoria	86	47	67.7	127	3307	3390	3258
Watska	87	49	66.3	112	3/	2949	2937
Springfield	86	50	68.9	133	3553	3594	3445
Brownstown	85	50	66.5	114	3/	3586	3324
St. Louis	84	57	70.3	142	3935	3894	3754
Dixon Springs	86	47	67.1	122	3/	3917	3763

1/ Totals are accumulated from April 1. 2/ Average of accumulated totals for 1979, 1980 and 1981. 3/ Previous years' data are not available.

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.

PRECIPITATION:
 First figure--Current week, 9/28-10/4
 Parentheses--Previous week
 M--Missing. T--Trace.



ACCUMULATED PRECIPITATION (Inches)

LEGEND: Normal | Actual
 April 1-Sept. 30 | April 1-Oct. 4
 April 1-August 31 (reported by National Weather Service)
 Sept. 1-Oct. 4 (estimated)

