

ILLINOIS

WEATHER & CROPS



Illinois Department of Agriculture
 STATISTICAL REPORTING SERVICE USDA
 Box 429 Springfield, Illinois 62705
 Phone: (217) 492-4295

CONTRIBUTORS:

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

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

VOL.4, NO.29

CROP HI-LITES

- *** Corn - 23% harvested
- *** Soybeans - 96% shedding leaves, 40% harvested
- *** Soil Moisture - 65% short, 35% adequate.

There were 6.0 DAYS SUITABLE for FIELDWORK for the week ending Friday, September 30. The week started cool and wet but ended warm and dry. This resulted in excellent harvesting conditions through most of the week.

Twenty-three percent of the CORN has been harvested for grain, as of Sunday, October 2, ahead of 1982 at 7% and the 5-year average (1978-82) at 16%.

Ninety-six percent of the SOYBEAN acreage was shedding leaves, on Sunday, October 2, compared to 90% last year and the 5-year average of 89%. Forty percent of the soybeans has been harvested. In 1982, 41% of the soybean acreage had been harvested while the average is 39%. Some problems with pods shattering have been reported in a few areas.

Seeding of the 1984 WINTER WHEAT crop is 14% complete, compared to 16% last year and the average of 20%. Three percent of the acreage has emerged. Last year, 6% had emerged while the average is 4%. Field preparation and seeding has been slowed by dry soil conditions.

Thirty percent of the SORGHUM acreage has been harvested for grain by Sunday, October 2. Last year, 14% had been harvested while the average is 19%.

As of Sunday, October 2, 10% of the 1984 Corn and Soybean acreage had been TILLED (plowed or chiseled), compared to 7% last fall and the average of 4%.

CURE condition on Friday, September 30, was 2% excellent, 20% good, 34% fair, 37% poor, and 7% a failure.

SOIL MOISTURE was reported to be 65% short and 35% adequate on Friday, September 30.

WEATHER

The week of September 26 to October 2 was warm and dry. TEMPERATURES across Northern and Central Illinois started out only slightly above normal on Monday and Tuesday; however, it warmed up to 5 to 11 degrees above normal on Wednesday and continued warm for the remainder of the week. Temperatures across Southern Illinois were also above normal throughout the period; however, only ranged from 1 to 7 degrees above normal.

RAINFALL was very spotty and very light across the State. The rainfall which did occur was less than .10 inches.

The OUTLOOK for the week of October 3 thru 9 calls for scattered showers and thunderstorms in the northwestern part of Illinois on Monday. High temperatures will be near 80 degrees in the Northwest to the lower 90's in the extreme South. Tuesday will be mostly cloudy and cooler with a chance of showers in the Northwest and some thunderstorms likely in the southeastern part of Illinois. The remainder of the week will be fair and dry with highs in the 60's and lower 70's.

STATE WATER SURVEY DIVISION

In the past two weeks significant rains have occurred in the northern half of the State. These are reflected by increases in soil moisture near the surface for those areas receiving them. Measurements made between September 27 and 30 are tabulated in the following table. It should be noted that these are total soil moisture, not PPAM.

Site	County	Inches of Soil Moisture	
		Total Soil Moisture, surface to 20"	Change in last half month
Freeport	Stephenson	5.4	+0.9
Shabbona	De Kalb	6.0	+0.3
Monmouth	Warren	5.7	+1.5
Appleton	Knox	5.5	+2.6
Peoria	Tazewell	6.0	+2.4
Topeka	Mason	3.1	+0.9
Bondville	Champaign	3.4	-0.3
Perry	Pike	3.1	+0.3
Springfield	Sangamon	3.5	+0.1
Brownstown	Fayette	2.7	+0.0
Olney	Richland	3.4	-0.2
Salem	Marion	2.4	-0.5
Belleville	St. Clair	4.3	-0.0
Ina	Jefferson	3.5	+0.0
Carbondale	Jackson	2.3	+0.0
Dixon Springs	Pope	2.6	-0.1

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 2											
Corn: % harvested	20	12	28	32	15	33	26	25	18	23	16
Soybeans: % harvested	32	16	48	50	63	42	32	30	24	40	39
Week ending September 30											
Days suitable for fieldwork:	5.5	5.5	6.0	5.5	5.5	6.5	7.0	6.5	7.0	6.0	
Soil moisture % Short:	0	10	80	70	60	100	100	80	100	65	
Adequate:	100	90	20	30	40	0	0	20	0	35	
Surplus:	0	0	0	0	0	0	0	0	0	0	

NON PROFIT ORG.
U.S. POSTAGE
PAID
SPRINGFIELD, IL
PERMIT NO. 600

Illinois Weather & Crops
October 3, 1983

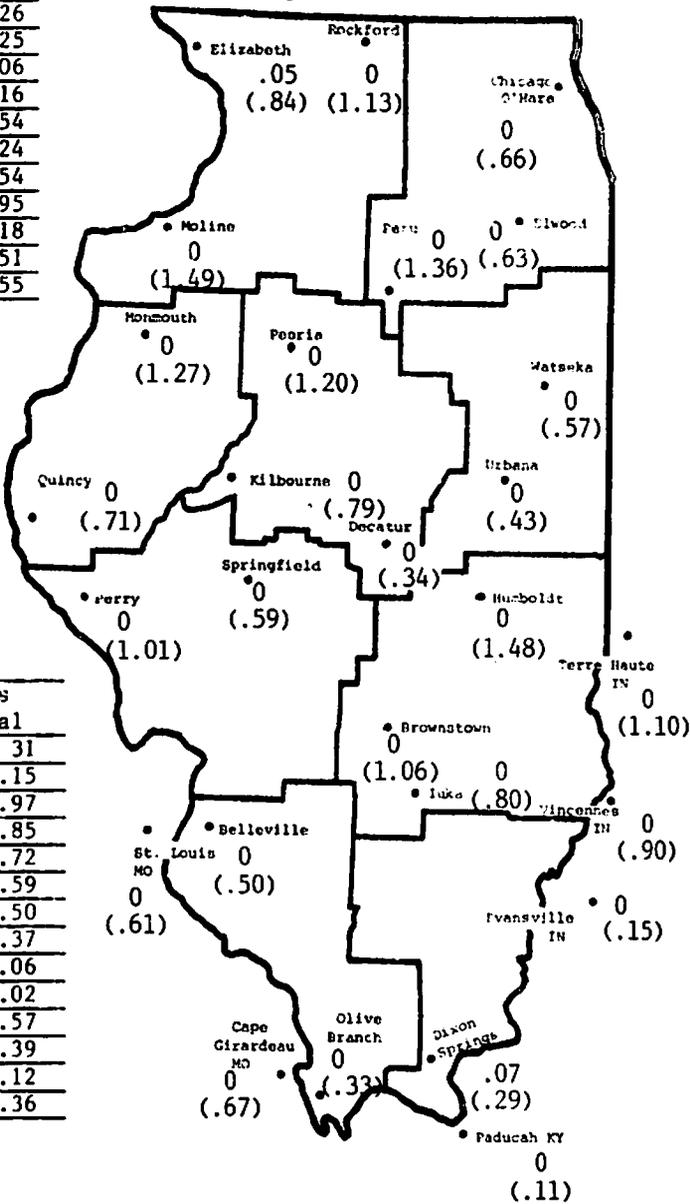
MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

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

Station	Week ending Monday, 6 A.M., October 3						
	Temperatures : Growing degree days 1/						
	Maxi-	Mini-	Aver-	Current	3-yr.	Totals	Totals
	:mum	:mum	:age	: week	:av.2/:	1982	1983
Moline	: 85	49	68.0	: 127	3203	3170	3326
Rockford	: 84	42	63.8	: 106	2922	2857	3025
Chicago O'Hare	: 88	46	66.1	: 116	2937	2796	3006
Quincy	: 86	52	70.8	: 144	3381	3073	3416
Decatur	: 88	47	67.0	: 121	3291	3134	3254
Peoria	: 86	54	69.6	: 136	3338	3240	3424
Watseka 3/	: 87	44	65.3	: 115	2931	2921	3054
Springfield	: 89	52	70.0	: 139	3558	3426	3495
Brownstown 3/	: 87	48	68.9	: 133	3441	3308	3418
St. Louis	: 87	52	71.9	: 152	3896	3734	3851
Dixon Springs 3/	: 87	44	68.3	: 129	3824	3746	3755

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

PRECIPITATION:
First figure--Current week, 9/23-10/3
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 3

Station	Precipitation		Accumulations		Departures	
	: Current	: Normal	: in 1983	: since	: from normal	: from normal
	: week	: 1/	: Apr. 1	: May 31	: Apr. 1	: May 31
Rockford	: 0.00	0.75	20.59	11.71	- 4.07	- 5.15
Chicago O'Hare	: 0.00	0.65	29.96	15.91	+ 8.42	+ 0.97
Watsaka	: 0.00	0.68	21.40	11.28	- 3.13	- 4.85
Peru	: 0.00	0.71	24.45	13.32	+ 1.61	- 1.72
Moline	: 0.00	0.75	22.10	15.30	- 2.89	- 1.59
Peoria	: 0.00	0.56	25.36	11.80	+ 2.56	- 3.50
Monmouth	: 0.00	0.78	18.21	9.91	- 5.27	- 6.37
Quincy	: 0.00	0.79	17.89	7.28	- 4.95	- 8.06
Springfield	: 0.00	0.64	14.48	6.39	- 6.13	- 7.02
Decatur	: 0.00	0.68	24.03	9.25	+ 0.11	- 6.57
Urbana	: 0.00	0.64	26.74	15.66	+ 3.97	+ 0.39
Belleville	: 0.00	0.68	15.59	5.26	- 5.99	- 9.12
Evansville, IN	: 0.00	0.60	27.61	8.45	+ 5.40	- 5.36

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