

# ILLINOIS WEATHER & CROPS



## ILLINOIS COOPERATIVE CROP REPORTING SERVICE

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### CROP HI-LITES

\*\*\* Corn - 97% silked (tasseled), 50% dough,  
10% dented  
\*\*\* Soybeans - 85% blooming, 55% setting pods  
\*\*\* Soil Moisture - 14% short  
70% adequate  
16% surplus

CORN condition on Friday, July 30, was reported as 48% excellent, 50% good and 2% fair. Ninety-seven percent of the corn crop was tasseled on Sunday, August 1, compared to 91% last year and the 5-year average (1977-81) of 91%. Fifty percent of the crop was in the dough stage compared to 35% last year and an average of 42%. Ten percent of the crop is dented compared to 9% last year and an average of 11%.

SOYBEANS on July 30 were reported as 23% in excellent condition, 67% good and 10% fair. Eighty-five percent of the soybeans were blooming on August 1 compared to 74% last year and an average of 80%. Fifty-five percent of the crop was setting pods compared to 34% last year and an average of 44%.

The OATS crop on August 1 was 95% ripe compared to 100% last year and an average of 99%. Sixty-five percent of the crop was combined compared to 83% last year and an average of 77%.

ALFALFA HAY was reported as 17% excellent, 75% good and 8% fair on July 30. About 86% of the second crop was cut by August 1 compared to 88% last year and an average of 87%.

PASTURES on July 30 were reported as 37% excellent, 60% good and 3% fair.

SOIL MOISTURE was reported as 14% short, 70% adequate and 16% surplus on July 30.

There were 6.00 DAYS SUITABLE FOR FIELDWORK for the week ending July 30.

### WEATHER

TEMPERATURES for the period of July 26 thru August 1 averaged from 4 degrees below normal to 1 degree above normal throughout the State. Maximum readings again climbed into the 90's throughout most of the State.

PRECIPITATION amounts were light to moderate in most areas. Amounts ranged from .04 to .08 of an inch. Some areas recorded no rainfall. Most of the rain fell on the 27th.

The OUTLOOK for the period of August 3 thru 9 is for temperatures to be above normal and precipitation to be near normal.

### SOIL MOISTURE MEASUREMENTS

The Illinois State Water Survey reports that soil moisture in a moderately well-drained Flanagan soil near Bondville (Champaign County) decreased during the week prior to July 26. Soil moisture from the surface to about 7 feet decreased from 69% of Potential Plant Available Moisture (PPAM) to 65%. Between the surface and 4-inch depth, the moisture decreased from 39% of PPAM to 30%. Between 4 and 12 inches, the PPAM decreased from 39% to 21%. From the 12 to 20-inch depth, the PPAM decreased from 56% to 48%. Precipitation during the week prior to the measurement amounted to 0.34 inch. Soil temperature at the 4-inch level under sod was averaging near 70 degrees F.

### ILLINOIS CROP REPORTING DISTRICT SUMMARY

Crop and Soil Characteristics	NW	NE	W	C	E	WSW	ESE	SW	SE	STATE	5-YR. AVG.
Corn: % silked (tasseled) (as of August 1)	97	93	96	99	100	98	95	97	95	97	91
Soybeans: % bloomed (as of August 1)	80	85	85	88	95	80	85	75	85	85	80
Days suitable for fieldwork (week ending July 30)	5.0	5.0	6.0	5.0	5.0	6.5	7.0	6.5	7.0	6.00	
Soil moisture %:											
(as of July 30) Short	--	15	--	5	--	5	20	35	40	14	
Adequate	40	50	70	95	100	95	70	55	60	70	
Surplus	60	35	30	--	--	--	10	10	--	16	

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# ILLINOIS WEATHER

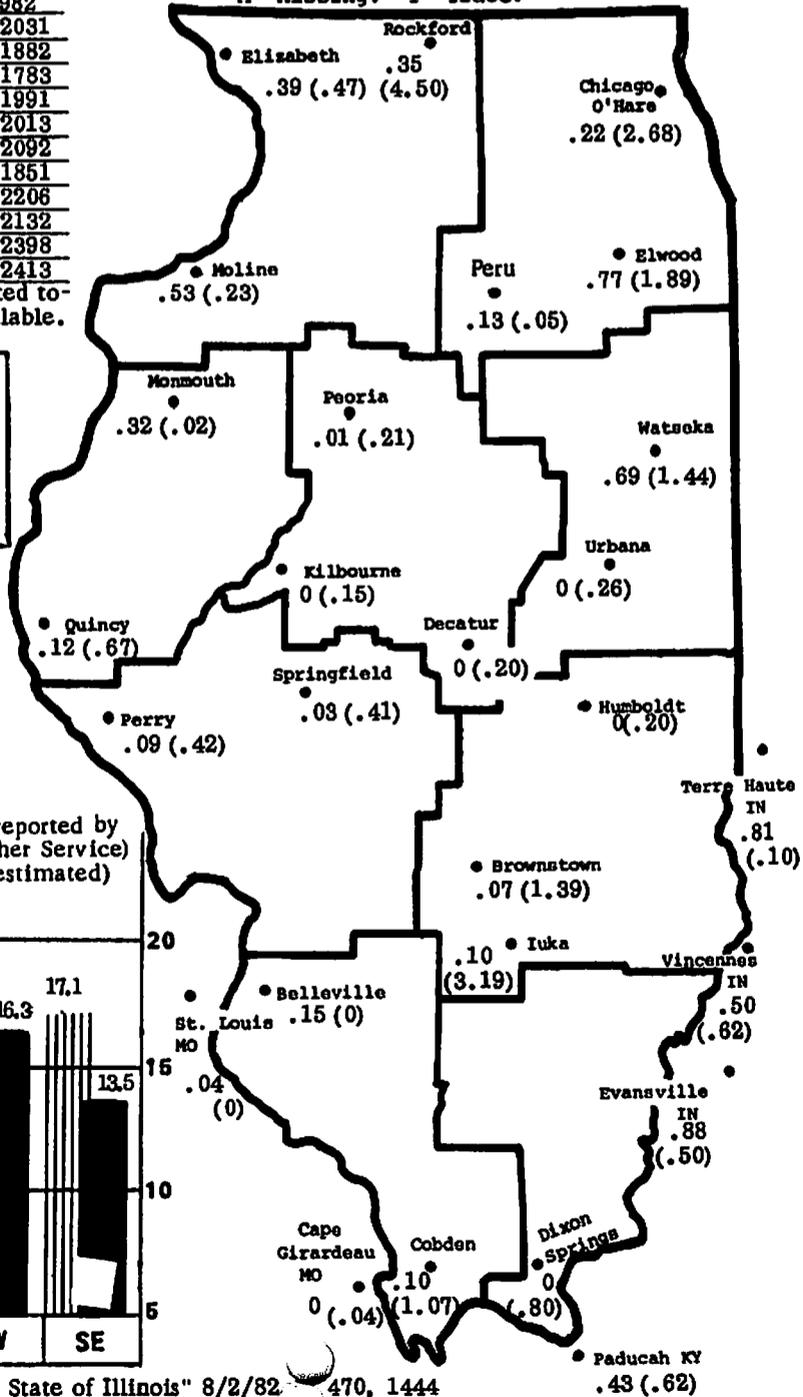
MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

	May	June	June 29- July 5	July 6- 12	July 13- 19	July 20- 26	July 27- Aug. 2
Chicago	+6	-6	-3	+3	+7	+3	+3
Peoria	+7	-4	0	+2	+4	+2	0
Springfield	+7	-5	0	+2	+4	+1	-1
St. Louis	+6	-4	0	+2	+2	+2	0

Station	Week ending Monday, 6 A.M., August 2		Growing degree days 1/				
	Maxi-	Mini-	Aver-	Current : 3-yr.	Totals : 1981	Totals : 1982	Totals : 1981 & 1982
	imum	imum	age	year	av. 2/	1981	1982
Moline	91	60	75.0	170	2026	2030	2031
Rockford	88	55	74.0	168	1816	1856	1882
Chi. O'Hare	91	57	74.7	171	1842	1895	1783
Quincy	89	60	73.4	161	2210	2140	1991
Decatur	90	58	74.4	168	2116	2128	2013
Peoria	89	58	73.6	164	2056	2180	2092
Watska	89	51	71.1	144	3/	1924	1851
Springfield	91	57	74.2	164	2230	2335	2206
Brownstown	92	59	75.6	173	3/	2384	2132
St. Louis	94	64	78.6	192	2481	2530	2398
Dixon Springs	91	57	76.9	183	3/	2573	2413

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

PRECIPITATION:  
First figure--Current week, 7/27-8/2  
Parentheses--Previous week  
M--Missing. T--Trace.



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.

## ACCUMULATED PRECIPITATION (Inches)

LEGEND: Normal | Actual

April 1-July 31

April 1- Aug. 2  
April 1-June 30 (reported by National Weather Service)  
July 1 -Aug. 2 (estimated)

