

# ILLINOIS

# WEATHER & CROPS



**ILLINOIS  
COOPERATIVE CROP  
REPORTING SERVICE**

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## CROP HI-LITES

- \*\*\* Corn - 60% dough, 21% dented
- \*\*\* Soybeans - 84% blooming,  
55% setting pods
- \*\*\* Soil Moisture - 1% short, 52% adequate, 47% surplus

CORN on August 7 was reported as 34% in excellent condition, 60% good, and 6% fair. On August 9, 60% of the corn crop was in the dough stage, compared to 71% last year and an average of 61%. Twenty-one percent of the crop is dented compared to 23% last year and an average of 22%.

BEANS on August 7 were reported as 18% in excellent condition, 65% good and 17% fair. As of August 9, 84% of the soybeans were blooming compared to 96% last year and an average of 91%. Fifty-five percent of the crop was setting pods compared to 69% last year and an average of 65%.

The OATS crop on August 9 was 97% combined compared to 94% last year and an average of 93%.

ALFALFA HAY was reported as 28% excellent, 52% good and 20% fair on August 7. About 30% of the third cutting was complete on August 9 compared to 27% last year and an average of 27%.

PASTURES on August 7 were reported as 34% excellent, 64% good, and 2% fair.

SOIL MOISTURE on August 7 was reported as 1% short, 52% adequate, and 47% surplus.

For the week ending August 7, there were 3.25 DAYS SUITABLE for FIELDWORK.

## WEATHER

TEMPERATURES for the period of August 3-9 averaged from normal to 3 degrees below normal in the northern half of the State and 1 degree to 3 degrees above normal in the South. A cool period that started 3 weeks ago continued this week with minor warm periods.

PRECIPITATION was heavy in most sections with amounts of 1.00 to 2.50 inches being recorded. Some western and southwestern areas received from .05 to .50 of an inch. Some areas received more than 1 inch during a 24-hour period.

The Outlook for the period of August 11 thru August 17 is for temperatures to be below normal and precipitation above normal.

## SOIL MOISTURE MEASUREMENTS

Soil moisture decreased during the past week on a moderately well-drained Flanagan soil in Champaign County according to measurements taken by the Illinois State Water Survey on August 3. Although 0.44 inch of precipitation was received during the previous 7 days, soil moisture from the surface to about 7 feet decreased from about 61% of plant available moisture to only 31% this week. Percent plant available moisture decreased from 85% to 55% from the surface to 4 inches during the past week, from 61% to 52% from 4-12 inches, and from 55% to 47% from 12-20 inches. Most of the decrease was caused by percolation through the soil, and some by evaporation.

## ILLINOIS CROP REPORTING DISTRICT SUMMARY

Crop and Soil Characteristics	NW	NE	W	C	E	WSW	ESE	SW	SE	STATE	5-YR. AVG.
Corn: % dented (as of Aug. 9)	25	25	25	23	10	15	20	25	30	21	22
Soybeans: % bloomed (as of Aug. 9)	90	95	85	83	90	85	77	70	83	84	91
Alfalfa: % 3rd crop cut (Aug. 9)	30	30	15	10	25	20	50	70	70	30	27
Days suitable for fieldwork: (week ending Aug. 7)	3.0	2.5	3.5	1.0	3.0	3.0	3.0	5.0	6.0	3.25	
Soil moisture %:											
as of Aug. 7) Short	--	--	--	--	--	--	--	10	--	1	
Adequate	55	55	20	20	30	50	80	55	100	52	
Surplus	45	45	80	80	70	50	20	35	--	47	

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# ILLINOIS WEATHER

MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

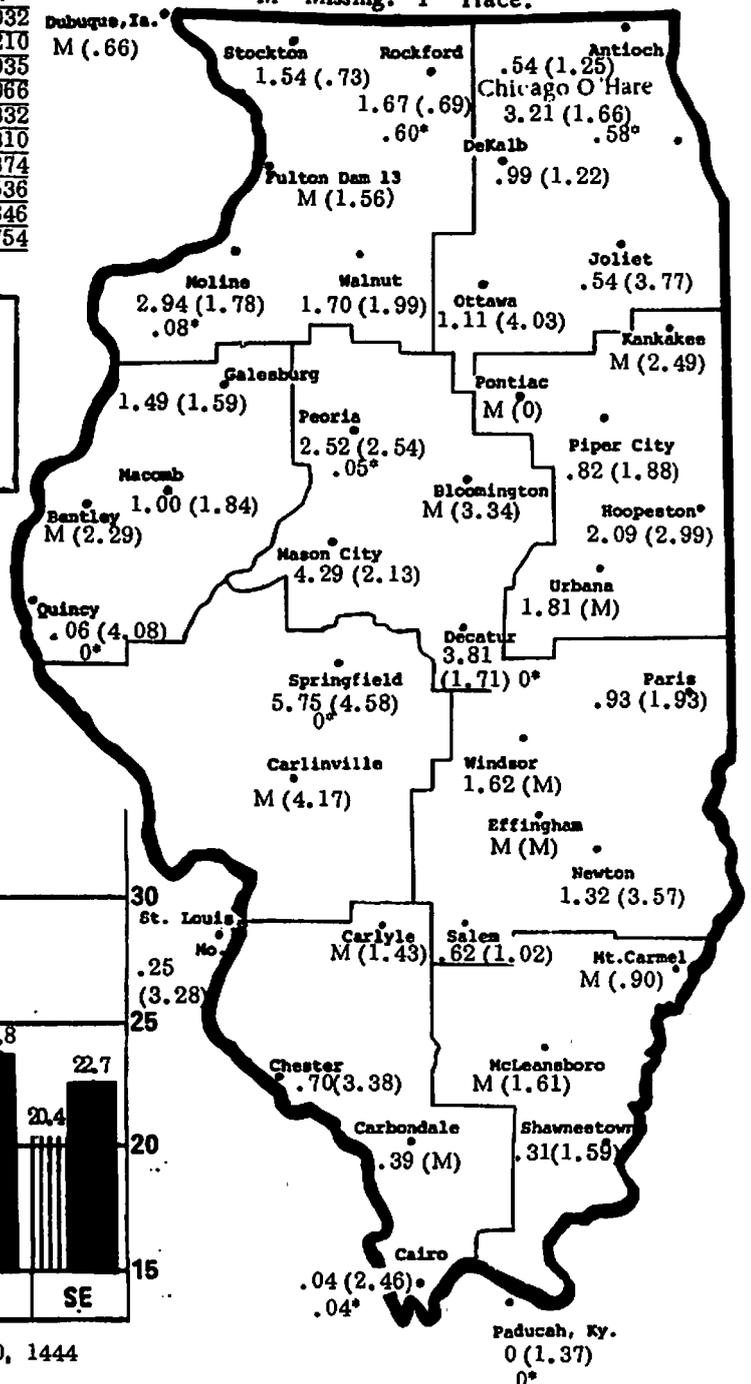
	May	June	June 29- July 5	July 6- 12	July 13- 19	July 20- 26	July 27- Aug. 2	Aug. 3- 9
Chicago	-3	+2	+2	+5	+5	-2	-6	0
Moline	-3	0	0	+4	+3	-3	-8	-3
Springfield	-3	+2	+1	+6	+4	+1	-5	+1
So. Central	-4	+2	0	+4	+5	-3	-6	+2

STATION	August 7			August 10		
	Temperatures	Growing Degree Days*		Temperatures	Growing Degree Days*	
	Weekending Fri. 6 A.M.	Week ending Mon. 6 A.M.		Weekending Fri. 6 A.M.	Week ending Mon. 6 A.M.	
	Maxi- :mum	Mini- :mum	Aver- :age	Current :week	3-year :avg.	Totals :1980 :1981
Dubuque, IA	--	--	--	157	1955	2165 2032
Moline	88	59	75	162	2203	2288 2210
Rockford	88	59	75	162	2005	2048 2035
Chicago O'Hare	89	57	74	153	2016	2027 2066
Quincy	89	59	76	173	2419	2562 2332
Decatur	89	55	74	164	2314	2379 2310
Peoria	89	60	75	174	2205	2281 2374
Springfield	91	60	78	179	2393	2487 2536
Cairo	92	69	80	198	2785	2769 2846
St. Louis	--	--	--	201	2636	2767 2754

\* Totals are accumulated from April 1.

**PRECIPITATION:**

First figure--current week, 7/31-8/6  
Parentheses--previous week  
Asterisk--Friday-Sunday  
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-August 31

April 1-August 6

