

# ILLINOIS

# WEATHER & CROPS



## ILLINOIS COOPERATIVE CROP REPORTING SERVICE

Illinois Department of Agriculture  
 STATISTICAL REPORTING SERVICE - USDA  
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### CROP HI-LITES

### WEATHER

- \*\*\* Corn - 70% dented, 17% mature
- \*\*\* Soybeans - 18% turning yellow,  
5% shedding leaves
- \*\*\* Soil Moisture - 1% short  
38% adequate  
61% surplus

TEMPERATURES for the period of August 31 thru September 6 averaged from normal to 2 degrees below normal over the entire State. By the end of the week, minimum readings dropped into the 50's.

PRECIPITATION was very scattered, ranging from .20 of an inch to 3.00 inches. The Rockford area recorded 2.77 inches during a 24-hour period on August 31.

The Outlook for the period of September 8 thru 14 is for below normal temperatures and near normal precipitation.

CORN on September 4 was reported as 30% in excellent condition, 68% good, and 2% fair. On September 6, 70% of the corn crop was dented compared to 91% last year and an average of 84%. Seventeen percent of the crop was mature compared to 59% last year and an average of 49%.

SOYBEANS on September 4 were reported as 16% in excellent condition, 70% good and 14% fair. As of September 6, 18% of the soybeans were turning yellow compared to 43% last year and an average of 43%. Five percent of the crop was shedding leaves compared to 18% last year and an average of 16%.

ALFALFA HAY was reported as 28% excellent, 65% good and 7% fair on September 4. About 75% of the third cutting was complete on September 6 compared to 76% last year and an average of 76%.

PASTURES on September 4 were reported as 30% excellent, 68% good, and 2% fair.

SOIL MOISTURE on September 4 was reported as 1% short, 38% adequate, and 61% surplus.

For the week ending September 4, there were 3.00 DAYS SUITABLE for FIELDWORK.

### SOIL MOISTURE MEASUREMENTS

As of the end of August, soil moisture declined over the State from two weeks before, except for the North and North-west where slight increases were observed according to the Illinois State Water Survey. These changes were obviously related to the pattern of precipitation received over Illinois during August.

Location	August 1981 Precipitation	Difference from Normal
Rockford	9.18	+5.52
Moline	6.90	+3.53
Chicago	6.60	+3.87
Macomb	3.58	+0.20
Peoria	5.61	+2.54
Urbana	8.72	+5.34
Springfield	8.37	+5.63
Paris	6.12	+3.53
Hillsboro	2.90	+0.28
Olney	4.74	+1.53
Carbondale	1.74	-1.80
Harrisburg	1.36	-2.20

Site	County	Moisture (as of Aug. 28, 1981)	
		Surface to 20 inches	Change from 2 weeks ago
Bondville	Champaign	6.4 (64% PAM*)	-0.4
Shabbona	DeKalb	6.1	+0.1
Monmouth	Warren	5.6	+0.1
Topeka	Mason	3.0	-0.2
Perry	Pike	4.9	-1.0
Brownstown	Fayette	4.5	-0.3
Dixon Springs	Pope	5.5	-0.5
Galesburg	Knox	5.3	-0.3

\* PAM = Plant available moisture.

### 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 Sept. 6)	65	65	70	65	70	80	75	80	80	70	84
Soybeans: % turning yellow (as of Sept. 6)	25	20	25	15	15	15	10	25	30	18	43
Alfalfa: % 3rd crop cut (Sept. 6)	65	65	77	75	90	85	80	98	90	75	76
Days suitable for fieldwork: (week ending Sept. 4)	3.5	2.0	5.5	3.5	1.0	3.5	1.5	2.5	3.5	3.00	
Soil moisture %: (as of Sept. 4)											
Short	--	--	--	--	--	--	--	--	10	1	
Adequate	20	30	75	60	--	60	10	25	65	38	
Surplus	80	70	25	40	100	40	90	75	25	61	

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# ILLINOIS WEATHER

MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

	June	July	Aug. 3-9	Aug. 10-16	Aug. 17-23	Aug. 24-30	Aug. 31-Sept. 6
Chicago	+2	+1	0	-1	-4	+3	-1
Moline	0	-2	-3	-3	-8	+3	-2
Springfield	+2	+1	+1	-3	-5	+4	0
So. Central	+2	+1	+2	-2	-4	+2	-2

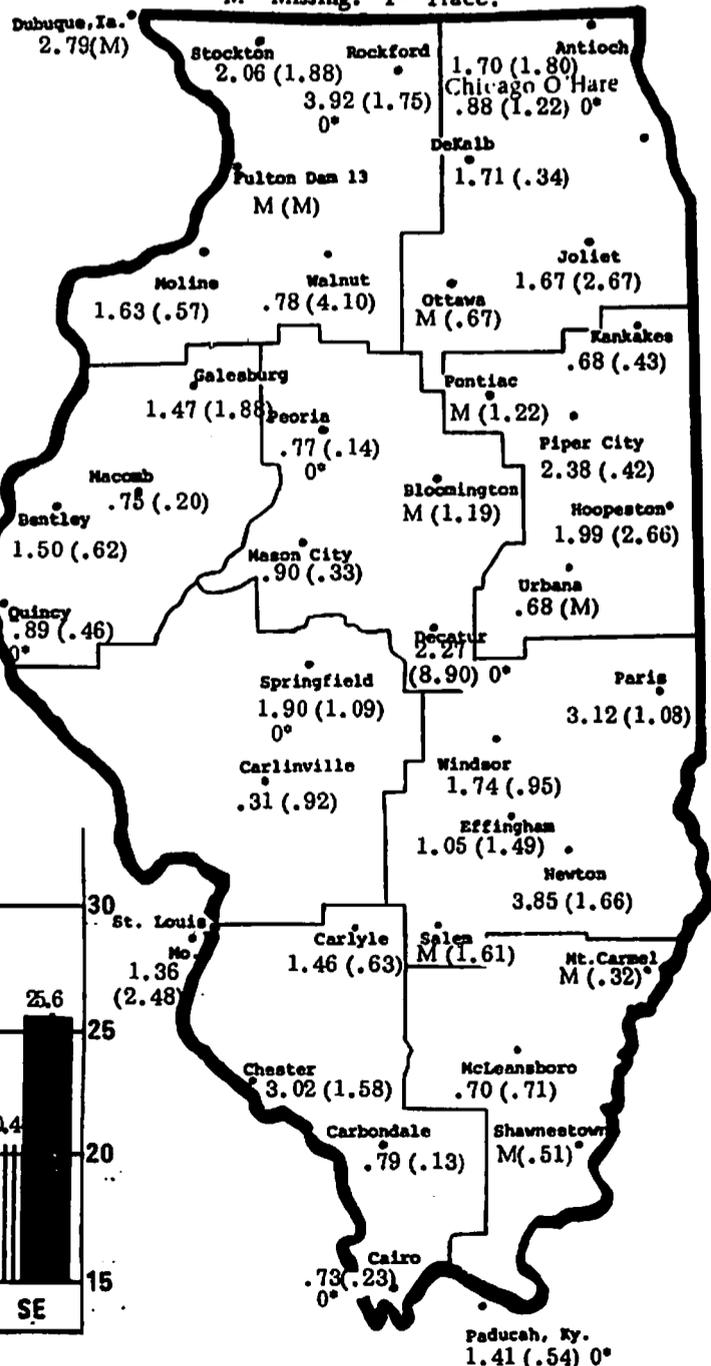
STATION	September 4			September 7		
	Maxi- mum	Mini- mum	Aver- age	Current week	3-year avg.	Totals 1980-1981
Dubuque, IA	--	--	--	118	2548	2787 2556
Moline	86	54	70	120	2837	2950 2764
Rockford	86	53	70	118	2599	2659 2583
Chicago O'Hare	85	59	71	117	2658	2697 2622
Quincy	87	56	70	122	3114	3321 2891
Decatur	85	62	72	129	2967	3084 2851
Peoria	89	56	73	134	2860	2981 2972
Springfield	90	59	74	144	3066	3223 3149
Cairo	88	69	78	162	3459	3539 3535
St. Louis	--	--	--	149	3380	3578 3419

\* Totals are accumulated from April 1.

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, 8/28-9/3  
Parentheses--previous week  
Asterisk--Friday-Sunday  
M--Missing. T--Trace.



## ACCUMULATED PRECIPITATION

(Inches)  
LEGEND: Normal Actual

April 1-August 31 April 1-September 3

