

ILLINOIS WEATHER & CROPS



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

- *** Corn - 22% silked
- *** Soybeans - 25% blooming
- *** Wheat - 87% combined
- *** Soil Moisture - 8% short
64% adequate
28% surplus

CORN on July 10 was reported as 22% in excellent condition, 65% good, and 13% fair. The average height of corn on July 12 was reported as 58 inches compared to 64 inches last year and an average of 60 inches. The height of the most advanced corn was reported as 75 inches compared to 78 inches last year and an average of 76 inches. Twenty-two percent of the corn crop is tasseled compared to 41% last year and an average of 31%.

SOYBEANS on July 10 were reported as 8% in excellent condition, 69% good, 21% fair, and 2% poor. Twenty-five percent of the soybeans were blooming on July 12 compared to 49% last year and an average of 36%. Five percent of the crop was setting pods compared to 10% last year and an average of 7%.

WINTER WHEAT on July 12 was 87% combined compared to 84% last year and an average of 84%.

The **OATS** crop on July 10 was 15% in excellent condition, 80% good, and 5% fair. Eighty-five percent of the oat crop was turning yellow on July 12 compared to 66% last year and an average of 73%. Thirty-five percent of the crop is ripe compared to 23% last year and an average of 38%. Fifteen percent of the crop was combined compared to 7% last year and an average of 15%.

ALFALFA was reported as 12% excellent, 83% good, and 5% fair on July 10. About 65% of the second cutting was complete on July 12 compared to 50% last year and an average of 55%.

PASTURES on July 10 were reported as 23% excellent, 69% good, and 8% fair.

SOIL MOISTURE on July 10 was reported as 28% surplus, 64% adequate and 8% short.

For the week ending July 10, there were 4.75 **DAYS SUITABLE** for **FIELDWORK**.

SOIL MOISTURE MEASUREMENTS

Here's the latest summary statement for the Bondville soil moisture measurement. The heavy rains of the 4th of July provided considerable recharge of moisture to the upper 2 feet of soil at Bondville, according to reports from the Illinois State Water Survey in Champaign. During the week prior to the observation, July 6, although 2.4 inches of precipitation fell, only 1.5 inches of increased moisture was realized in the soil column. About 1.25 inches were lost to evaporation, the rest to soil percolation. From the surface to 6 inches depth, the soil contains about 1.7 inches of water, which represents about 51% of the potential plant available moisture.

WEATHER

TEMPERATURES for the period of July 6 thru 12 averaged 3 degrees to 7 degrees above normal over the State as maximum temperatures climbed into the mid and upper 90's. A warm period started during the first part of the week and continued through the period.

PRECIPITATION was very scattered as it ranged from nearly 2 inches in the Northeast to less than .10 of an inch over the remaining areas. The central areas recorded no rainfall while the St. Louis area received .60 of an inch. Heavy rainfall deluged localized areas of the Northeast District on the 12th. Amounts ranged from 1 to 3 inches and fell in a very short period of time causing flooding.

The **OUTLOOK** for July 14 thru July 20 is for normal temperatures and near normal precipitation over Illinois.

JUNE WEATHER SUMMARY

Average monthly **TEMPERATURES** were slightly below normal in the northern third of the State and 1 degree to 2 degrees above normal over the remaining areas. During the first half of the month, temperatures were 2 degrees to 6 degrees above normal with maximum readings climbing into the 80's in the North and 90's in the South. The second half of June recorded near normal readings with minimum readings falling into the 50's in the North during the third week.

PRECIPITATION was 1 to 2.60 inches above normal in the north and central sections and slightly above normal in the East and West-Southwest Districts. The East-Southeast and Southeast Districts were below normal in rainfall while the Southwest District was more than 1 inch above normal. The Central District recorded the largest above normal variation, while the Southeast recorded the largest below normal variation. During the first week, rainfall was light in the North and moderate to heavy in the South (local southern areas recorded as much as 2 1/2 inches). In the second week the northern and east areas received 1 to 3 inches with local portions in the East recording 5 to 8 inches. Severe flooding resulted from the heavy rain. The South was dry during this week. Most portions recorded 1 to 4 inches during the third week (some local areas had 3 inches during a 24-hour period). In the fourth week, as much as 2 inches fell on the northern and central sections while the South had little or no rain. Many rivers and creeks were again above flood stage during part of June causing flooding and crop damage.

ILLINOIS CROP REPORTING DISTRICT SUMMARY

Crop and Soil Characteristics	NW	NE	W	C	E	WSW	ESE	SW	SE	STATE	5-YR. AVG.
Corn: % silked (as of July 12)	15	10	25	20	15	30	25	45	45	22	31
Soybeans: % bloomed (as of July 12)	35	25	40	35	25	20	15	20	25	25	36
Days suitable for fieldwork: (week ending July 10)	6.5	7.0	3.5	4.5	4.5	4.5	4.5	3.5	3.5	4.75	
Soil moisture %: (as of July 10)											
Short	20	20	--	--	--	--	35	--	--	8	
Adequate	75	80	35	65	85	60	60	55	65	64	
Surplus	5	--	65	35	15	40	5	45	35	28	

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PRELIMINARY DISTRICT PRECIPITATION AVERAGES AND DEPARTURES FROM NORMAL IN INCHES

	NW	NE	W	C	E	WSW	ESE	SW	SE
June	5.85	5.20	6.94	6.78	4.57	4.97	3.00	5.57	3.25
Departure	+1.48	+1.10	+2.05	+2.50	+0.43	+0.46	-0.54	+1.25	-0.99

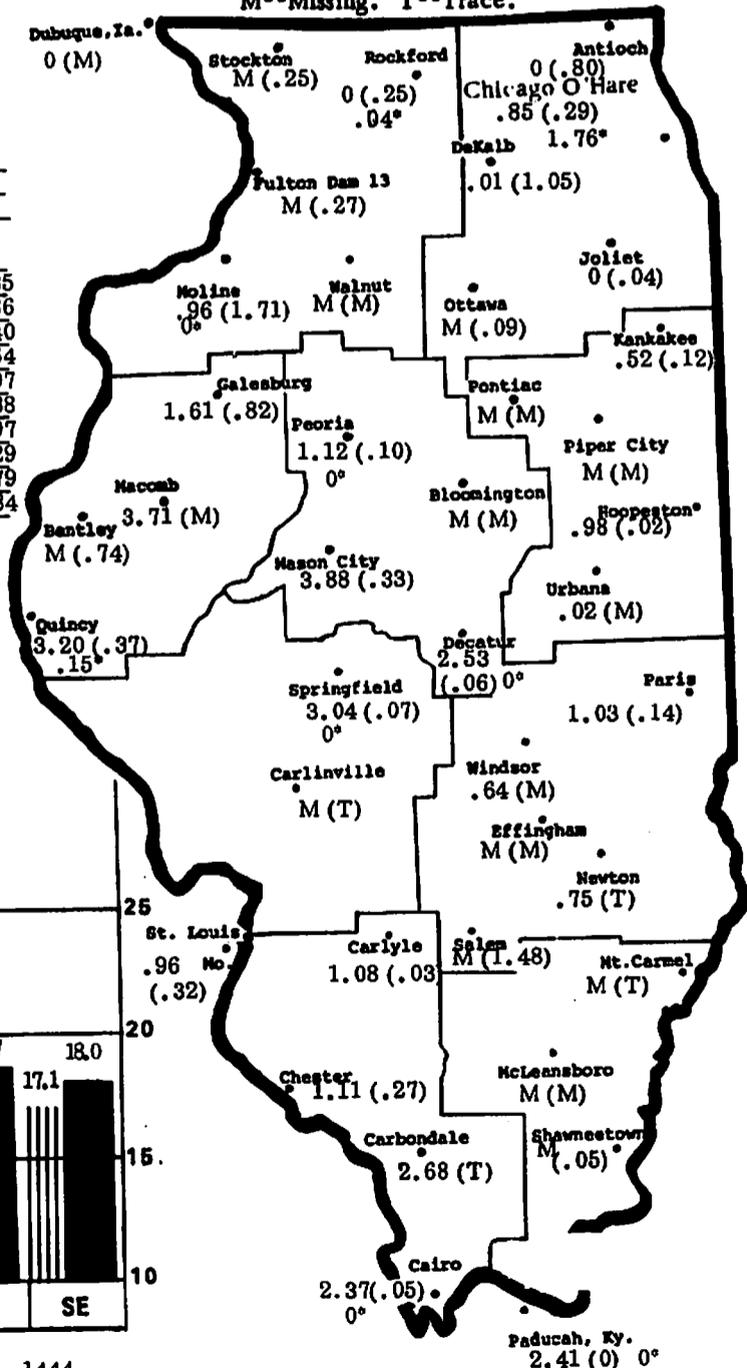
MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

	May	June	June 22- 28	June 29- July 5	July 6- 12
Chicago	-3	+2	0	+2	+5
Moline	-3	0	-1	0	+4
Springfield	-3	+2	0	+1	+6
So. Central	-4	+2	-1	0	+4

PRECIPITATION:
First figure--current week, July 3-9
Parentheses--previous week
Asterisk--Friday-Sunday
M--Missing. T--Trace.

STATION	July 10			July 13			
	Temperatures	Growing Degree Days*		Temperatures	Growing Degree Days*		
	Week ending Fri. 6 A.M.	Week ending Mon. 6 A.M.		Week ending Fri. 6 A.M.	Week ending Mon. 6 A.M.		
	Maxi-: Mini-: Aver-: Current: 3-year: Totals: Totals	Maxi-: Mini-: Aver-: Current: 3-year: Totals: Totals		Maxi-: Mini-: Aver-: Current: 3-year: Totals: Totals	Maxi-: Mini-: Aver-: Current: 3-year: Totals: Totals		
	mum: mum: age: week: avg.: 1980: 1981	mum: mum: age: week: avg.: 1980: 1981		mum: mum: age: week: avg.: 1980: 1981	mum: mum: age: week: avg.: 1980: 1981		
Dubuque, IA	--	--	--	184	1319	1451	1435
Moline	89	57	72	191	1516	1546	1586
Rockford	90	58	77	182	1360	1365	1440
Chicago O'Hare	94	56	77	191	1335	1293	1464
Quincy	90	66	78	202	1639	1772	1607
Decatur	89	65	77	188	1601	1607	1688
Peoria	90	67	78	201	1481	1536	1697
Springfield	94	67	80	206	1671	1703	1829
St. Louis	90	74	82	208	1940	1939	2079
St. Louis	--	--	--	211	1855	1923	1984

Totals are accumulated from April 1.



ACCUMULATED PRECIPITATION (Inches)

LEGEND: Normal | Actual

April 1-July 31

April 1-July 9

