

ILLINOIS WEATHER & CROPS



ILLINOIS COOPERATIVE CROP REPORTING SERVICE

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CROP HI-LITES

*** Corn - 32% silked (tasseled)
*** Soybeans - 40% blooming
*** Wheat - 75% combined
*** Soil Moisture - 1% short, 58% adequate, 41% surplus

CORN condition on Friday, July 9, was reported as 33% excellent, 61% good, and 6% fair. The average height of corn on Sunday, July 11, was reported at 62 inches compared to 56 inches last year and the 5-year average (1977-81) of 59 inches. The height of the most advanced corn was reported at 78 inches compared to 75 inches last year and an average of 75 inches. Thirty-two percent of the corn crop was silked on July 11 compared to 18% last year and average of 28%.

SOYBEANS on July 9 were reported as 14% in excellent condition, 72% good, and 14% fair. Forty percent of the soybeans was blooming on July 11 compared to 19% last year and an average of 32%. Ten percent of the crop was setting pods compared to 2% last year and an average of 7%.

WINTER WHEAT ON July 11 was 75% combined compared to 84% last year and an average of 81%.

The **OATS** crop on July 9 was reported as 2% excellent, 75% good, 22% fair and 1% poor. Sixty percent of the crop was turning yellow on July 11 compared to 81% last year and an average of 74%. Twenty percent of the crop is ripe compared to 35% last year and an average of 38%. Five percent of the crop was combined compared to 10% last year and an average of 12%.

ALFALFA was reported as 22% excellent, 68% good, and 10% fair on July 9. About 45% of the second crop was cut by July 11 compared to 60% last year and an average of 55%.

PASTURES on July 9 were reported as 26% excellent, 70% good, and 4% fair.

SOIL MOISTURE was reported as 1% short, 58% adequate and 41% surplus on July 9.

There were 3.75 DAYS SUITABLE FOR FIELDWORK for the week ending July 9.

WEATHER

TEMPERATURES for the period of July 5 through 11 averaged from 1 to 5 degrees above normal throughout most of the State. This brought an end to a 6-week cool period. Maximum readings climbed into the 90's.

PRECIPITATION amounts were heavy in most areas and amounts ranged from 1 to 7 inches. Scattered thunderstorms gave localized areas nearly 4 inches during a 24-hour period.

The **OUTLOOK** for the period of July 12-18 is for temperatures to be near normal and precipitation to be below normal.

SOIL MOISTURE MEASUREMENTS

The Illinois State Water Survey reports that soil moisture in a moderately well-drained Flanagan soil near Bondville (Champaign County) increased dramatically during the week prior to July 5 as a result of heavy rains that fell July 2 in the local area. Between the surface and 4-inch depth, the moisture increased from 35% of Potential Plant Available Moisture (PPAM) to 100%. Between 4 and 12 inches the PPAM increased from 28% to 68% and from the 12 to 20-inch depth, the PPAM increased from 39% to 93%. Soil moisture from the surface to about 7 feet increased from 65% of PPAM to 82%. The total rainfall for the week prior to the measurement on July 5 was 3.47 inches with most of that occurring on Friday night, July 2.

Soil moisture (from the surface to a depth of 20 inches) was measured at the following locations in Illinois on June 29-30 and July 1:

Site	County	Soil Moisture (inches)	Change from mid-June
Freeport	Stephenson	5.5	-0.1
Shabbona	De Kalb	6.5	+0.2
Mommouth	Warren	5.2	-0.6
Appleton	Knox	4.3	-0.6
Perry	Pike	M	M
Topeka	Mason	3.0	-0.1
Bondville	Champaign	4.6	+0.3
Brownstown	Fayette	5.5	+0.4
Belleville	St. Clair	4.9	-0.4
Dixon			
Springs	Pope	5.2	-0.3

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 July 11)	20	15	30	35	35	40	45	55	40	32	28
Soybeans: % bloomed (as of July 11)	25	40	35	40	50	35	40	40	50	40	32
Days suitable for fieldwork: (week ending July 9)	4.0	4.0	4.0	3.5	3.5	4.5	3.5	3.5	5.0	3.75	
Soil moisture %: (as of July 9)											
Short	--	10	--	--	--	--	--	--	--	1	
Adequate	60	65	55	85	60	65	55	25	40	58	
Surplus	40	25	45	15	40	35	45	75	60	41	

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ILLINOIS WEATHER

MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

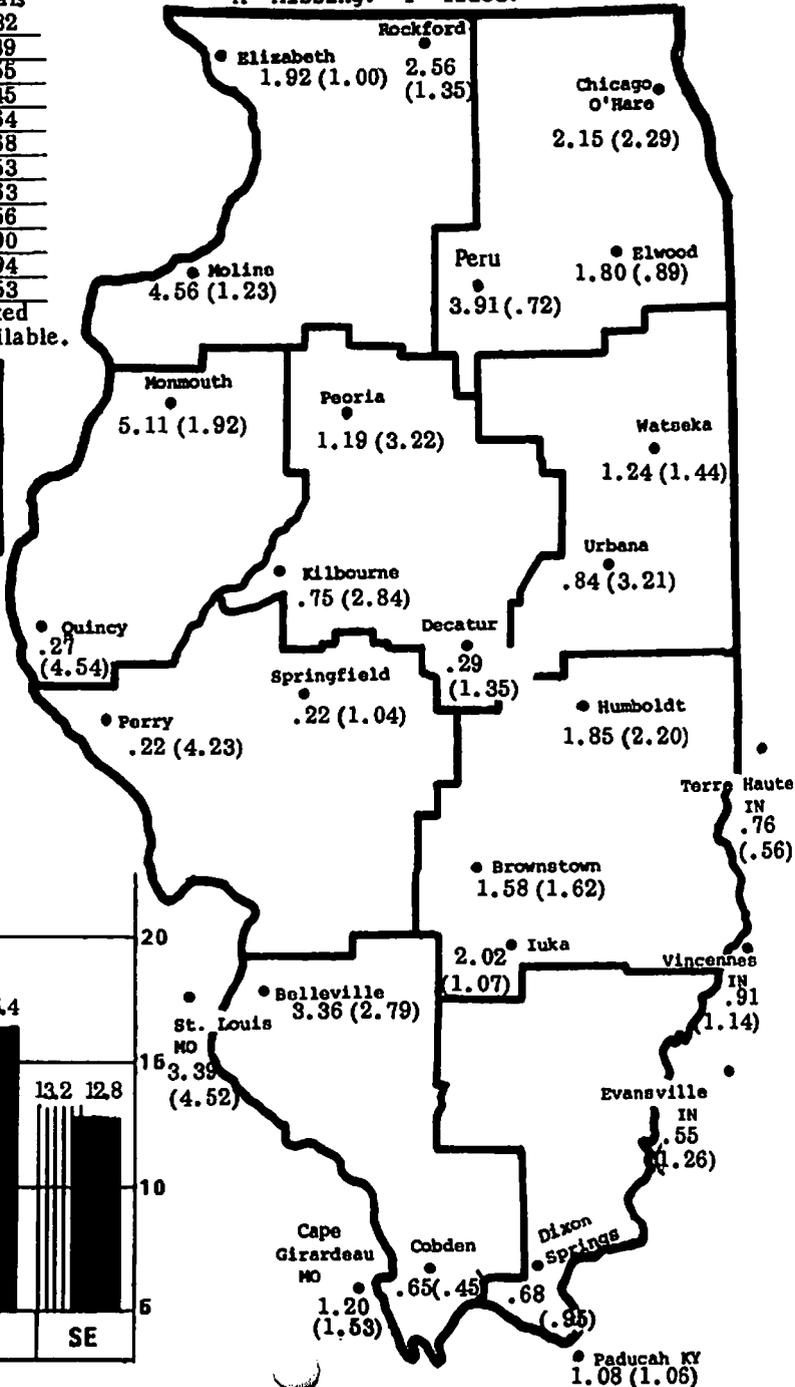
	April	May	June 1-7	June 8-14	June 15-21	June 22-28	June 29-July 5	July 6-12
Chicago	-4	+6	-6	-2	-6	-4	-3	+3
Peoria	-5	+7	-4	-2	-4	-1	0	+2
Springfield	-5	+7	-5	-2	-4	0	0	+2
St. Louis	-4	+6	-5	-2	-4	-2	0	+2

Station	Week ending Monday, 6 A.M., July 12										
	Temperatures			Growing degree days 1/							
	Maxi- mum	Mini- mum	Aver- age	Current	3-yr. av. 2/	Totals 1981	Totals 1982				
Moline	92	59	75.9	178	1515	1559	1489				
Rockford	91	59	75.0	169	1342	1414	1355				
Chi. O'Hare	95	58	74.5	162	1339	1437	1245				
Quincy	87	62	74.9	174	1664	1628	1464				
Decatur	91	65	77.9	190	1601	1661	1468				
Peoria	90	59	76.0	179	1535	1668	1553				
Watseka	90	52	72.8	157	3/	1477	1363				
Springfield	93	59	77.1	181	1682	1799	1656				
Brownstown	91	59	76.4	181	3/	1887	1590				
St. Louis	93	63	79.1	198	1884	1955	1794				
Dixon Springs	92	60	78.6	191	3/	2027	1853				

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

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, July 6-12
Parentheses--Previous week
M--Missing. T--Trace.



ACCUMULATED PRECIPITATION (Inches)

LEGEND: Normal | Actual
April 1-June 30 | April 1-July 12

