

ILLINOIS

WEATHER & CROPS



ILLINOIS COOPERATIVE CROP REPORTING SERVICE

Illinois Department of Agriculture
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CROP HI-LITES

- *** Soybeans - 88% planted
- *** Wheat - 96% turning yellow, 60% ripe
- *** Soil Moisture - 65% adequate, 35% surplus

CORN on June 19 was reported as 5% in excellent condition, 75% good, 19% fair and 1% poor. The average height of corn on June 21 was reported at 20 inches compared to 26 inches last year and an average of 24 inches. The height of the most advanced corn was reported at 34 inches compared to 39 inches last year and an average of 37 inches. Corn was reported as 89% of full stand up from 81% two weeks ago but down from 92% a year ago.

SOYBEANS on June 19 were reported as 4% in excellent condition, 71% good, 24% fair and 1% poor. Soybeans were reported as 89% of full stand, compared to 86% of full stand a year ago. Planting was 88% complete on June 21 compared to 100% last year and an average of 98%.

WHEAT on June 19 was reported as 14% in excellent condition, 77% good, and 9% fair. On June 21, 96% of the wheat crop was turning yellow compared to 92% last year and an average of 84%. Sixty percent of the wheat crop was ripe compared to 30% last year and an average of 15%. Six percent of the crop was combined compared to 2% last year and an average of 13%.

The **OATS** crop on June 19 was 15% in excellent condition, 78% good, and 7% fair. Approximately 85% of the crop was headed on June 21 compared to 80% last year and an average of 80%. Forty-five percent of the crop was filled on June 21 compared to 38% last year and an average of 44%.

SORGHUM planting was 65% complete as of June 21.

ALFALFA was reported as 16% excellent, 69% good, and 15% fair on June 19. About 88% of the first cutting was complete on June 21 compared to 92% last year and an average of 93%.

RED CLOVER was reported as 25% excellent, 61% good and 14% fair on June 19. About 75% of the crop was cut on June 21 compared to 76% last year and an average of 82%.

PASTURES on June 19 were reported as 30% excellent, 65% good, and 5% fair.

SOIL MOISTURE on June 19 was reported as 35% surplus and 65% adequate.

For the week ending June 19, there were 3.75 **DAYS SUITABLE** for **FIELDWORK**.

SOIL MOISTURE MEASUREMENTS

The following information describes the soil moisture conditions as measured in a moderately well-drained Flanagan soil in Champaign County on the morning of June 15. The uppermost 6 1/2 feet contained about 23.5 inches of water, an increase of 0.3 inches from the previous week. During the preceding 7 days, about 2 inches of precipitation was received at the site. The uppermost 4 inches of soil contained about 43% of the potential plant available moisture; the next 8 inches contained about 59%; and from 12-20 inches, about 68%. These represent substantial increases over the previous week due to the precipitation and the precipitation migrating downward through the soil.

WEATHER

TEMPERATURES for the period June 15 through June 21 averaged from normal to 3 degrees below normal throughout the State. Minimum temperatures fell to nearly 50 degrees in the northern areas on the 17th.

PRECIPITATION was heavy in many areas with amounts ranging from 1.00 to 4.50 inches; however, the area around Moline received only .15 inches of rain while Chicago recorded .84 inches. The extreme Southeast also received light amounts. The heavy rains generally fell on the 15th with some areas recording as much as 3 inches during a 24-hour period. Flooding continues in some areas of the State.

The **OUTLOOK** for the period June 23 through June 29 calls for **temperatures** to be below the normal and **precipitation** to be near normal in Illinois.

MAY WEATHER SUMMARY

Average monthly **TEMPERATURES** ranged from 1 to 4 degrees below normal throughout the State. The South had the least variation, while the rest of the State was 3 to 4 degrees below normal. Temperatures were below normal over most of the State during the first three weeks with frost and freezing minimum temperatures being recorded in the North during the first two weeks. During the fourth week, temperatures were near normal in the North and above normal in the South.

PRECIPITATION was below normal in the northern third of the State, while the South was as much as 5.76 inches above normal. The Northwest District recorded the largest below normal variation and the Southeast District recorded the largest above normal variation. Rainfall was light in the North during the first week, but the South received 1 to 3 inches. Moderate to heavy rainfall amounts occurred throughout the State in the second week and continued in the third week with some southern sections receiving 4 inches. Scattered storms during the fourth week gave 3 inches of rain to some Northwest District areas and 5 inches to some areas in the Southeast District. Several stations in the South recorded total rainfall amounts from 9 to 12 inches. Some rivers and creeks rose above flood stage flooding some farm fields and other low-lying areas.

ILLINOIS CROP REPORTING: DISTRICT SUMMARY

Crop and Soil Characteristics	NW	NE	W	C	E	WSW	ESE	SW	SE	STATE	5-YR. AVG.
Soybeans: % planted (as of June 21)	100	99	92	96	97	93	75	60	80	88	98
Alfalfa: % hay cut (as of June 21)	88	86	84	82	92	93	88	93	90	88	93
Days suitable for fieldwork: (week ending June 19)	4.0	2.5	3.5	3.0	3.0	3.0	4.0	4.5	6.0	3.75	
Moisture % (as of June 19)											
Short	--	--	--	--	--	--	--	--	--	--	
Adequate	85	15	65	55	90	65	60	65	80	65	
Surplus	15	85	35	45	10	35	40	35	20	35	

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Illinois Weather & Crops
June 22, 1981

ILLINOIS WEATHER

PRELIMINARY DISTRICT PRECIPITATION AVERAGES AND DEPARTURES FROM NORMAL IN INCHES

	NW	NE	W	C	E	WSW	ESE	SW	SE
May	2.34	3.48	6.54	6.00	5.91	6.30	7.11	9.13	10.44
Departure	-1.53	-0.10	+2.58	+2.03	+1.74	+2.03	+2.69	+4.68	+5.76

MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

	April	May	June 1-7	June 8-14	June 15-21
Chicago	+2	-3	+4	+3	0
Moline	+3	-3	+3	+2	-3
Springfield	+7	-3	+4	+5	-1
So. Central	+6	-4	+4	+6	-3

PRECIPITATION:

First figure--current week, June 12-18
Parentheses--previous week
Asterisk--Friday-Sunday
M--Missing. T--Trace.

STATION	June 19			June 22		
	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-yr. : Totals : Totals	Maxi-: Mini-: Aver-: Current: 3-yr. : Totals : Totals		Maxi-: Mini-: Aver-: Current: 3-yr. : Totals : Totals	Maxi-: Mini-: Aver-: Current: 3-yr. : Totals : Totals	
	: num: num: age : week : avg. : 1980 : 1981	: num: num: age : week : avg. : 1980 : 1981		: num: num: age : week : avg. : 1980 : 1981	: num: num: age : week : avg. : 1980 : 1981	
Dubuque, IA	: -- : -- : -- : 114 : 859 : 944 : 950					
Moline	: 87 : 50 : 73 : 132 : 1018 : 1024 : 1069					
Rockford	: 86 : 49 : 73 : 127 : 895 : 875 : 948					
Chicago O'Hare	: 88 : 52 : 74 : 133 : 843 : 822 : 980					
Quincy	: 86 : 53 : 73 : 139 : 1131 : 1169 : 1114					
Peoria	: 88 : 51 : 75 : 149 : 1074 : 1048 : 1169					
Springfield	: 88 : 51 : 75 : 150 : 1008 : 1002 : 1148					
Carlinville	: 88 : 51 : 75 : 150 : 1008 : 1002 : 1148					
St. Louis	: 91 : 55 : 77 : 166 : 1264 : 1291 : 1403					

* Totals are accumulated from April 1.

ACCUMULATED PRECIPITATION
(Inches)

LEGEND: Normal | Actual
April 1-June 30 | April 1-June 18

