

ILLINOIS WEATHER & CROPS



**ILLINOIS
COOPERATIVE CROP
REPORTING SERVICE**

Illinois Department of Agriculture
Economics & Statistics Service-USDA
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CROP HI-LITES

- *** Corn - 97% planted
- *** Soybeans - 78% planted
- *** Wheat - 80% turning yellow
20% ripe
- *** Soil Moisture - 5% short
47% adequate
48% surplus

CORN on June 12 was reported as 9% in excellent condition, 60% good, 28% fair and 3% poor. Planting was 97% complete as of June 14. This compares to 100% last year and the 5-year (1976-80) average of 99%. The average height of corn on June 14 was reported at 12 inches compared to 18 inches last year and an average of 15 inches. The height of the most advanced corn was reported at 22 inches compared to 28 inches last year and an average of 26 inches. Cutworm problems have caused some replanting.

SOYBEAN planting was 78% complete on June 14 compared to 98% last year and an average of 94%.

WINTER WHEAT on June 12 was reported as 15% in excellent condition, 66% good, 18% fair, and 1% poor. Eighty percent of the wheat crop was turning yellow compared to 64% last year and an average of 65%. Twenty percent of the wheat crop was ripe compared to 8% last year and an average of 23%.

The OATS crop on June 12 was 20% in excellent condition, 71% good, 8% fair, and 1% poor. Approximately 65% of the crop was headed on June 14 compared to 62% last year and an average of 68%. Twenty-five percent of the crop was filled on June 14 compared to 12% last year and an average of 25%.

SORGHUM planting was 25% complete as of June 14.

ALFALFA was reported as 17% excellent, 76% good, 6% fair and 1% poor on June 12. About 78% of the first cutting was complete on June 14 compared to 77% last year and an average of 81%.

RED CLOVER was reported as 16% excellent, 74% good, 9% fair, and 1% poor on June 12. About 50% of the crop was cut on June 14 compared to 60% last year and an average of 70%.

PASTURES on June 12 were reported as 24% excellent, 74% good, and 2% fair.

SOIL MOISTURE on June 12 was reported as 48% surplus, 47% adequate, and 5% short.

For the week ending June 12 there were 3.75 DAYS SUITABLE for FIELDWORK. WEATHER

TEMPERATURES for the period June 8 through June 14 averaged 2 to 6 degrees above normal throughout the State as a warm period continued for the second straight week. Maximum readings climbed into the upper 80's in the North and to the low 90's in the South.

PRECIPITATION was extremely heavy in the North and eastern sections and dry in the South. The northern half of the State generally received from 1 to 3 inches, but some northeast and eastern areas recorded 5 to 8 inches causing rivers and creeks to rise above flood stage causing flooding problems. Heavy rains fell on the 12th and 13th with 1 to 4 inches in a 24-hour period. The extreme South received trace amounts to four-tenths of an inch.

The OUTLOOK for the period June 16-22 is for temperatures to be near normal and precipitation to be above normal in Illinois.

The Extended Outlook for June 15 to July 15 calls for temperatures to be near normal and precipitation to be above normal in Illinois.

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 9. The uppermost 6½ feet contained about 23.2 inches of water, a reduction of 1.4 inches from the previous week (24.6 in.) at the same time. During this same week 0.35 inches of precipitation was received at the site, but evaporation, transpiration and percolation resulted in a total combined loss of 1.75 inches of water, or a net loss of 1.4 inches. The top 4 inches of the soil contained about 38% of the potential plant available moisture; the next 8 inches (4-12 inches), 26%; and from 12 to 20 inches, 39%. Each of these values is down about 15 percentage points from the previous week due to the evapotranspirational losses.

ILLINOIS CROP REPORTING DISTRICT SUMMARY

Crop and Soil Characteristics	NW	NE	W	C	E	WSW	ESE	SW	SE	STATE	5-YR. AVG.
Corn: % planted (as of June 14)	100	100	98	100	100	98	90	90	80	97	99
Soybeans: % planted (as of June 14)	100	96	90	95	95	90	55	23	40	78	94
Alfalfa: % hay cut (as of June 14)	80	75	75	75	80	85	75	75	55	78	81
Days Suitable for fieldwork: (week ending June 12)	5.5	5.0	4.5	4.5	5.5	3.5	3.0	2.0	1.0	3.75	
Soil Moisture %: (as of June 12)											
Short	30	10	--	5	--	--	--	--	--	5	
Adequate	60	70	40	60	90	50	25	10	--	47	
Surplus	10	20	60	35	10	50	75	90	100	48	

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MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

	March	April	Apr. 27- May 3	May 4- 10	May 11- 17	May 18- 24	May 25- 31	June 1- 7	June 8- 14
Chicago	+1	+2	+1	-5	-7	+1	0	+4	+3
Moline	+2	+3	+2	-6	-8	-2	+2	+3	+2
Springfield	+5	+7	+2	-5	-6	-3	+2	+4	+5
So. Central	+1	+6	+4	-4	-9	-6	0	+4	+6

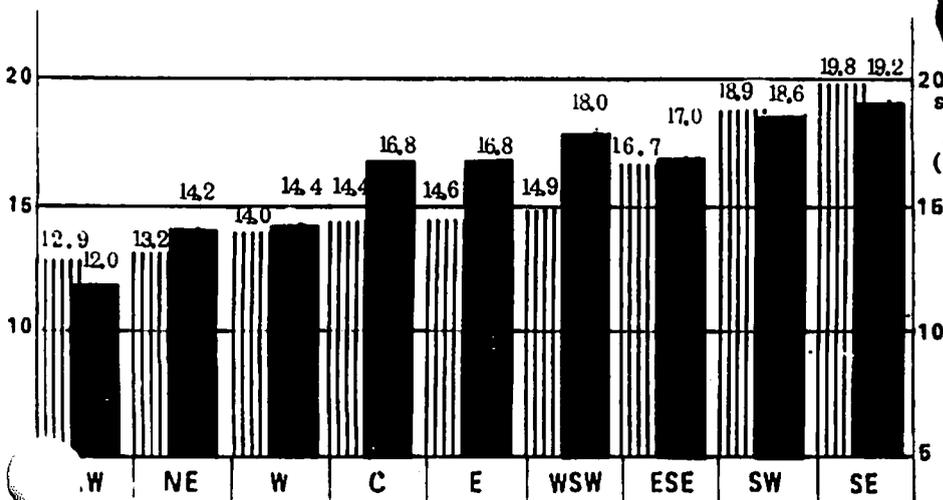
STATION	June 12			June 15		
	Maxi- mum	Mini- mum	Aver- age	Current week	3-yr. avg.	Totals 1980 : 1981
Dubuque, IA	--	--	--	149	741	829 : 836
Moline	87	52	71	164	883	913 : 937
Rockford	88	51	70	145	778	776 : 821
Chicago O'Hare	86	51	70	152	751	725 : 847
Quincy	88	56	73	172	974	1031 : 975
Decatur	86	58	73	178	927	925 : 1020
Peoria	90	55	74	181	889	888 : 998
Springfield	92	59	75	184	968	993 : 1112
Cairo	--	--	--	212	1184	1170 : 1321
St. Louis	93	65	78	196	1095	1135 : 1237

* 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 30 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
Jan. 1-May 30 | Jan. 1-June 11



PRECIPITATION:

First figure--current week, June 5-11
Parentheses--previous week
Asterisk--Friday-Sunday
M--Missing. T--Trace.

