

ILLINOIS WEATHER & CROPS



**ILLINOIS
COOPERATIVE CROP
REPORTING SERVICE**

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

- *** Corn - 58% silked, 5% dough
- *** Soybeans - 46% blooming, 10% setting pods
- *** Wheat - 97% combined
- *** Soil Moisture - 20% short
66% adequate
14% surplus

CORN on July 17 was reported as 17% in excellent condition, 69% good, and 14% fair. Fifty-eight percent of the corn crop is tasseled compared to 78% last year and an average of 60%. Five percent of the corn crop was in the dough stage compared to 13% last year and an average of 9%.

SOYBEANS on July 17 were reported as 8% in excellent condition, 66% good and 26% fair. Forty-six percent of the soybeans were blooming on July 19 compared to 73% last year and an average of 58%. Ten percent of the crop was setting pods compared to 22% last year and an average of 19%.

WINTER WHEAT on July 19 was 97% combined compared to 98% last year and an average of 96%.

The OATS crop on July 19 was 80% ripe compared to 51% last year and an average of 60%. Thirty percent of the crop was combined compared to 28% last year and an average of 36%.

ALFALFA HAY was reported as 15% excellent, 76% good, 8% fair, and 1% poor on July 17. About 72% of the second cutting was complete on July 19 compared to 68% last year and an average of 70%.

PASTURES on July 17 were reported as 16% excellent, 67% good, and 17% fair.

SOIL MOISTURE on July 17 was reported as 20% short, 66% adequate, and 14% surplus.

For the week ending July 17, there were 5.00 DAYS SUITABLE for FIELDWORK.

WEATHER

TEMPERATURES for the period of July 13-19 averaged 2 degrees to 5 degrees above normal as a warm period continued for the second straight week. Maximum temperatures reached the upper 90's in the southern part of the State.

PRECIPITATION ranged from .25 of an inch to 1 inch in the northern third of the State and from 1 to 4 inches in the remaining areas. Some sections recorded more than 2 inches during a 24-hour period.

The OUTLOOK for the period of July 21-28 is for temperatures to be below normal and precipitation to be above normal.

The Extended Outlook for the period of July 15 thru August 15 is for above normal temperatures and above normal precipitation in Illinois.

SOIL MOISTURE MEASUREMENTS

The Illinois State Water Survey reports that soil moisture in a moderately well drained Flanagan soil near Bondville (Champaign County) decreased during the week prior to July 13, altho about 0.60 inch of precipitation was received. The decrease was the result of heavy evapotranspiration brought on by high temperatures. The total soil moisture in the layer from surface to 6 inches depth decreased 0.4 inch to 1.29 inch from the previous week. That moisture represented about 25% of the potential plant available moisture.

The following table presents soil moisture information from 0 to 20 inches depth, measured between the 6th and the 9th of July.

Site	County	Soil Moisture (inches)
Bondville	Champaign	5.59
Dixon Springs	Pope	6.30
Brownstown	Fayette	4.84
Perry	Pike	5.94
Topeka	Mason	3.43
Monmouth	Warren	5.59
Galesburg	Knox	5.83
Shabbona	De Kalb	6.10

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 19)	60	55	60	60	45	65	55	70	60	58	60
Soybeans: % bloomed (as of July 19)	60	55	60	60	45	50	30	30	35	46	58
Days suitable for fieldwork: (week ending July 17)	6.0	5.5	4.0	4.0	5.0	4.5	6.0	5.0	5.5	5.00	
Soil moisture % of July 17)											
Short	45	45	--	--	10	5	45	--	35	20	
Adequate	35	55	45	90	75	80	55	90	65	66	
Surplus	20	--	55	10	15	15	--	10	--	14	

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ILLINOIS WEATHER

MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

	May	June	June 29- July 5	July 6- 12	July 13- 19
Chicago	-3	+2	+2	+5	+5
Moline	-3	0	0	+4	+3
Springfield	-3	+2	+1	+6	+4
So. Central	-4	+2	0	+4	+5

STATION	July 17			July 20			
	Maxi- mum	Mini- mum	Aver- age	Current week	3-year avg.	Totals 1980	Totals 1981
Dubuque, IA	--	--	--	166	1490	1645	1601
Moline	96	61	78	184	1700	1752	1770
Rockford	95	63	76	174	1533	1557	1614
Chicago O'Hare	94	60	77	185	1515	1496	1649
Quincy	95	63	81	194	1887	1997	1801
Decatur	93	57	78	185	1786	1815	1873
Peoria	95	62	80	200	1697	1741	1897
Springfield	96	65	81	201	1860	1914	2030
Cairo	98	76	87	209	2141	2158	2288
St. Louis	--	--	--	214	2059	2150	2198

* Totals are accumulated from April 1.

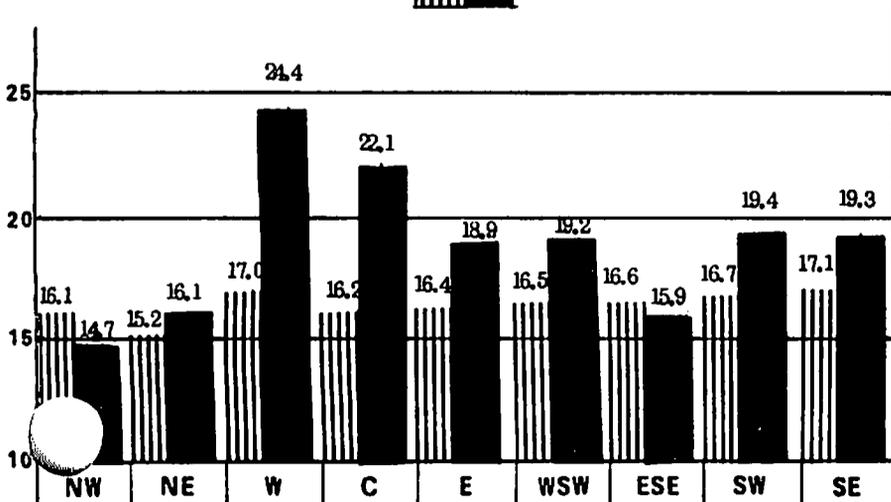
Growing degree days (GDD's) are calculated by subtracting a 50-degree (F) base temperature from the average of the maximum and minimum temperatures for the day. The daily maximum temperature is limited to 86 degrees (F) and daily minimum to 50 degrees (F). Thus, if the mean temperature for the day is 75 degrees, then 25 GDD's will have been accumulated.

ACCUMULATED PRECIPITATION (Inches)

LEGEND: Normal | Actual

April 1-July 31

April 1-July 16



PRECIPITATION:

First figure--current week, July 10-16

Parentheses--previous week

Asterisk--Friday-Sunday

M--Missing. T--Trace.

