

ILLINOIS

WEATHER & CROPS



ILLINOIS COOPERATIVE CROP REPORTING SERVICE

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CROP HI-LITES

- *** Corn - 10% silked (tasseled)
- *** Soybeans - 21% blooming
- *** Wheat - 45% combined
- *** Soil Moisture - 4% short, 74% adequate, 22% surplus

CORN condition on Friday, July 2, was reported as 20% excellent, 76% good and 4% fair. The average height of corn on Sunday, July 4, was reported at 48 inches compared to 42 inches last year and the 5-year average (1977-81) of 46 inches. The height of the most advanced corn was reported at 68 inches compared to 58 inches last year and average of 62 inches. Ten percent of the corn crop was tasseled on July 4 compared to 4% last year and an average of 10%.

SOYBEANS on July 2 was reported as 6% in excellent condition, 78% good, and 16% fair. Twenty-one percent of the soybeans was blooming on July 4, compared to 5% last year and an average of 11%.

WINTER WHEAT on July 4 was 90% ripe compared to 98% last year and an average of 95%. Forty-five percent of the crop was combined compared to 71% last year and an average of 57%.

The OATS crop on July 2 was reported as 2% excellent, 71% good, 23% fair, and 4% poor. Eighty-five percent of the crop was filled on July 4 compared to 95% last year and an average of 88%. Thirty percent of the crop was turning yellow compared to 61% last year and an average of 46%. Five percent of the crop is ripe compared to 13% last year and an average of 16%.

FALFA was reported as 20% excellent, 66% good, and 14% fair on July 2. About 30% of the second crop was cut by July 4 compared to 48% last year and an average of 38%.

RED CLOVER was reported as 16% excellent, 79% good and 5% fair on July 2. About 85% of the crop was cut for hay by July 4 compared to 90% last year and an average of 94%.

PASTURES on July 2 were reported as 21% excellent, 76% good and 3% fair.

SOIL MOISTURE was reported as 4% short, 74% adequate and 22% surplus on July 2.

There were 4.25 DAYS SUITABLE for FIELDWORK for the week ending July 2.

WEATHER

TEMPERATURES for the period of June 28 thru July 5 averaged from 2 to 9 degrees below normal throughout most of the State, as a cool period continued for the fifth straight week. The coolest section was the Northeast with minimum readings dropping into the 40's.

PRECIPITATION amounts were heavy in most areas as amounts ranged from 1 to 5 inches. Scattered thunderstorms gave localized areas by Quincy nearly 4 inches during a 24-hour period.

The OUTLOOK for the period of July 7-12 is for temperatures to be near normal and precipitation to be above normal.

SOIL MOISTURE MEASUREMENTS

Soil moisture is measured each week by the Illinois State Water Survey at a site near Bondville (Champaign County). As of June 28, soil moisture in the moderately well-drained Flanagan soil in the total column from the surface to about 7 feet decreased from 70% of Potential Plant Available Moisture (PPAM) to 65%. Between the surface and 4-inch depth, the moisture decreased from 40% of PPAM to 35%. The major loss in soil moisture was in the layer of soil between 4 and 12 inches where the PPAM decreased from 55% to 28%. From the 12 to 20-inch depth, the PPAM decreased from 44% to 39%. Precipitation during the week prior to the measurement amounted to 0.11 inch and evapotranspiration averaged about 0.23 inch per day.

ILLINOIS CROP REPORTING DISTRICT SUMMARY

Crop and Soil Characteristics	NW	NE	W	C	E	WSW	ESE	SW	SE	STATE	5-YR. AVG.
Soybeans: % blooming (as of July 4)	15	20	25	20	25	20	20	15	25	21	11
Days suitable for fieldwork: (week ending July 2)	4.5	5.0	4.0	4.0	4.0	3.5	3.5	5.5	6.0	4.25	
Soil moisture %:											
Short (as of July 2)	--	--	--	--	10	5	--	10	15	4	
Adequate	75	85	75	90	65	65	65	60	85	74	
Surplus	25	15	25	10	25	30	35	30	--	22	

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ILLINOIS WEATHER

MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

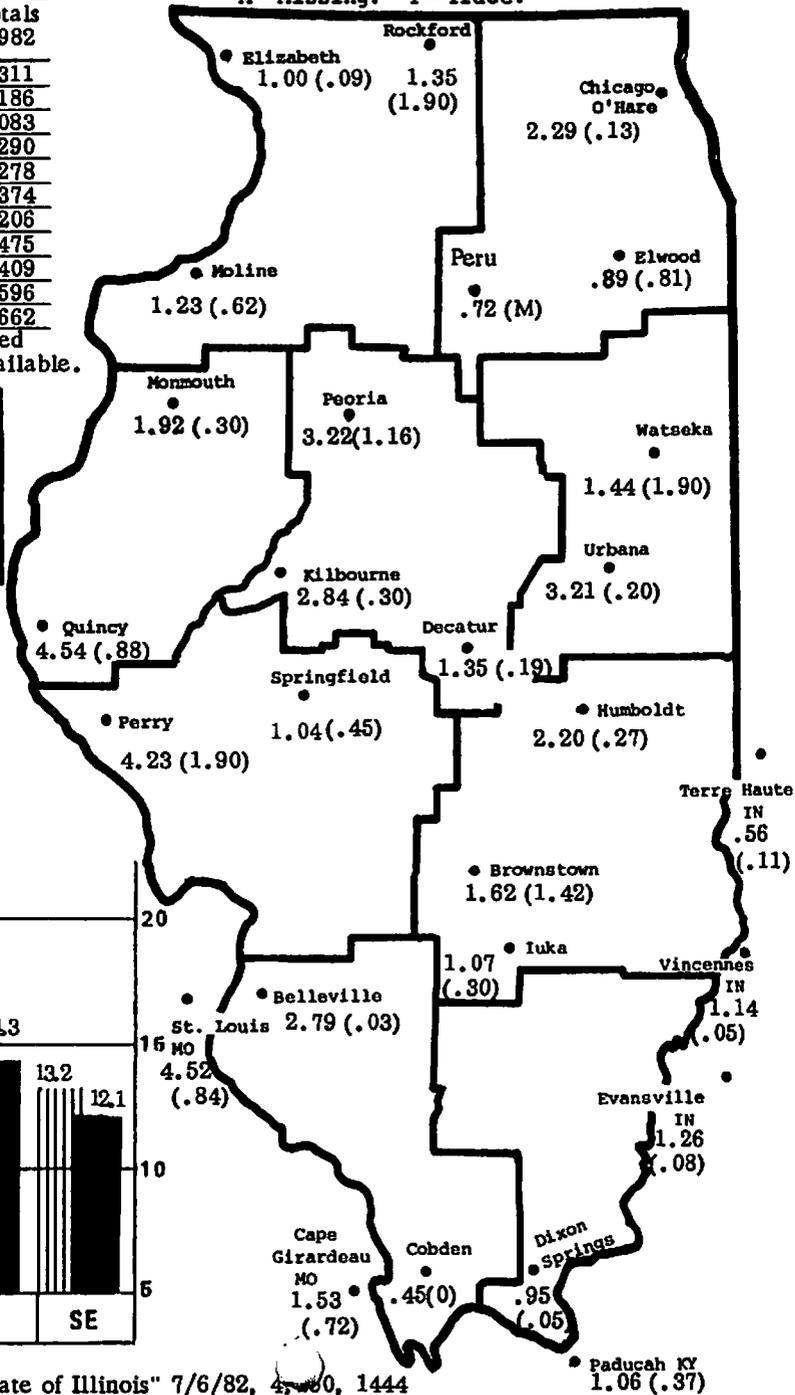
	April	May	June 1-7	June 8-14	June 15-21	June 22-28	June 29-July 5
Chicago	-4	+6	-6	-2	-6	-4	-3
Peoria	-5	+7	-4	-2	-4	-1	0
Springfield	-5	+7	-5	-2	-4	0	0
St. Louis	-4	+6	-5	-2	-4	-2	0

Station	Week ending Monday, 6 A.M., July 5						
	Temperatures			Growing degree days 1/			
	Maxi-mum	Mini-mum	Aver-age	Current week	3-yr. av. 2/	Totals 1981	Totals 1982
Moline	92	52	73.2	159	1333	1371	1311
Rockford	89	52	69.8	136	1172	1234	1186
Chi. O'Hare	86	46	66.2	116	1165	1252	1083
Quincy	88	59	73.3	161	1465	1430	1290
Decatur	91	48	72.0	150	1415	1476	1278
Peoria	92	56	73.4	158	1350	1470	1374
Watseka	90	47	69.3	134	3/	1293	1206
Springfield	93	58	74.9	166	1487	1597	1475
Brownstown	90	55	73.4	158	3/	1667	1409
St. Louis	91	61	77.1	181	1674	1746	1596
Dixon Springs	95	57	77.3	183	3/	1834	1662

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, 6/29-7/5
Parentheses--Previous week
M--Missing. T--Trace.



ACCUMULATED PRECIPITATION (Inches)

LEGEND: Normal | Actual
April 1-June 30 | April 1-July 5

