

ILLINOIS

WEATHER & CROPS



ILLINOIS COOPERATIVE CROP REPORTING SERVICE

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CROP HI-LITES

- *** Soybeans - 21% bloomed
- *** Wheat - 98% ripe, 70% harvested for grain
- *** Corn - 6% silked
- *** Soil Moisture - 26% short, 71% adequate, 3% surplus

There were 5.50 DAYS SUITABLE for FIELDWORK for the week ending Friday, July 8.

The average height of CORN as of Sunday, July 10, was up to 48 inches, behind the 60 inches reported last year and the 5-year average (1978-82) of 55 inches. The height in the most advanced fields was 66 inches, compared to 76 inches last year and the average of 72 inches. Six percent of the corn was reported as silked (tasseled). Last year 28% was silked and the average was 18%. The condition on Friday, July 8, was reported to be 24% excellent, 64% good, and 12% fair, an improvement over a week earlier. There are some reports of corn borer across the State.

SOYBEANS were 21% blooming on Sunday, July 10, compared to 37% last year and the average of 26%. Condition on Friday, July 8, was reported 7% excellent, 73% good and 20% fair.

WINTER WHEAT was 98% ripe Sunday, July 10, compared to 98% for both last year and the average. Harvest progressed rapidly and by July 10 was 70% complete, compared to 71% last year and the 72% average.

OATS were 94% filled on Sunday, July 10, compared to 96% for both last year and the average. Sixty percent of the crop was turning yellow compared to 56% last year and 60% for the average. Oats were 16% ripe compared to 18% last year and the average of 22%. Condition on Friday, July 8, was reported 5% excellent, 65% good, 27% fair, and 3% poor.

The second crop of ALFALFA HAY was 50% cut compared to 41% last year and 48% for the average. Condition on July 8 was 5% excellent, 75% good and 20% fair.

The first crop of CLOVER HAY was 99% cut, compared to 96% last year and the average of 99%. Condition on July 8 was reported 7% excellent, 83% good and 10% fair.

PASTURE condition was reported on July 8 to be 15% excellent, 64% good, 20% fair, and 1% poor.

SOIL MOISTURE on Friday, July 8, was reported 26% short, 71% adequate, and 3% surplus.

WEATHER

The week of July 4-10 turned out to be fairly cool but dry over the State of Illinois. A cold front moved across Illinois on Monday and Tuesday dropping temperatures to 10 to 14 degrees below normal for several days. Chicago established two new record lows of 46 and 45 degrees on the 6th and 7th.

By the weekend TEMPERATURES had moved back up to more seasonal values. Chicago, Moline, Peoria and Quincy warmed up to 2 to 4 degrees above normal on Sunday while Rockford had heated up 6 to 7 degrees above normal on Saturday and Sunday respectively.

The week was dry with only some very light PRECIPITATION early in the period. Decatur recorded .12 inches while several stations just outside Illinois received slightly heavier amounts. Paducah, Kentucky reported .52 inches and in Indiana, Evansville reported .30 inches.

The OUTLOOK for the week of July 11 through 17 calls for continued hot, dry weather. Temperatures will dip to near normal only in Northern Illinois for several days as a cool front moves southward and stalls out over Southern Illinois. However, the cooler period will give way to hotter temperatures later in the week. The outlook for precipitation across Illinois is minimal with only a very slight possibility over Northern Illinois on Tuesday and again by the weekend.

STATE WATER SURVEY DIVISION

The State Water Survey Division reports that Potential Plant Available Moisture (PPAM) decreased in the moderately well-drained Flanagan soil four miles south of Bondville in Champaign County during the week ending July 8. Precipitation totaled 0.25 inches last week. In the soil layer from the surface to 4 inches the PPAM decreased from 26% to 20%; at the 4 to 12-inch depth, the PPAM decreased from 18% to 3%; and at the 12 to 20-inch depth, the PPAM decreased from 19% to 16%. Over the total soil column from the surface to nearly 7 feet, the PPAM decreased from 61% to 57%.

ILLINOIS CROP REPORTING DISTRICT SUMMARY

Crop and Soil Characteristics	NW	NE	W	C	E	WSW	ESE	SW	SE	STATE	5-YR. AVG.
Soybeans: % bloomed (as of July 10)	35	30	30	35	15	15	16	8	16	21	26
Days suitable for fieldwork: (week ending July 8)	5.0	4.0	6.0	5.5	5.5	6.0	5.5	6.0	6.5	5.5	
Soil moisture % (as of July 8) Short:	15	-	85	20	-	45	20	30	15	26	
Adequate:	85	85	15	80	100	55	80	60	85	71	
Surplus:	-	15	-	-	-	-	-	10	-	3	

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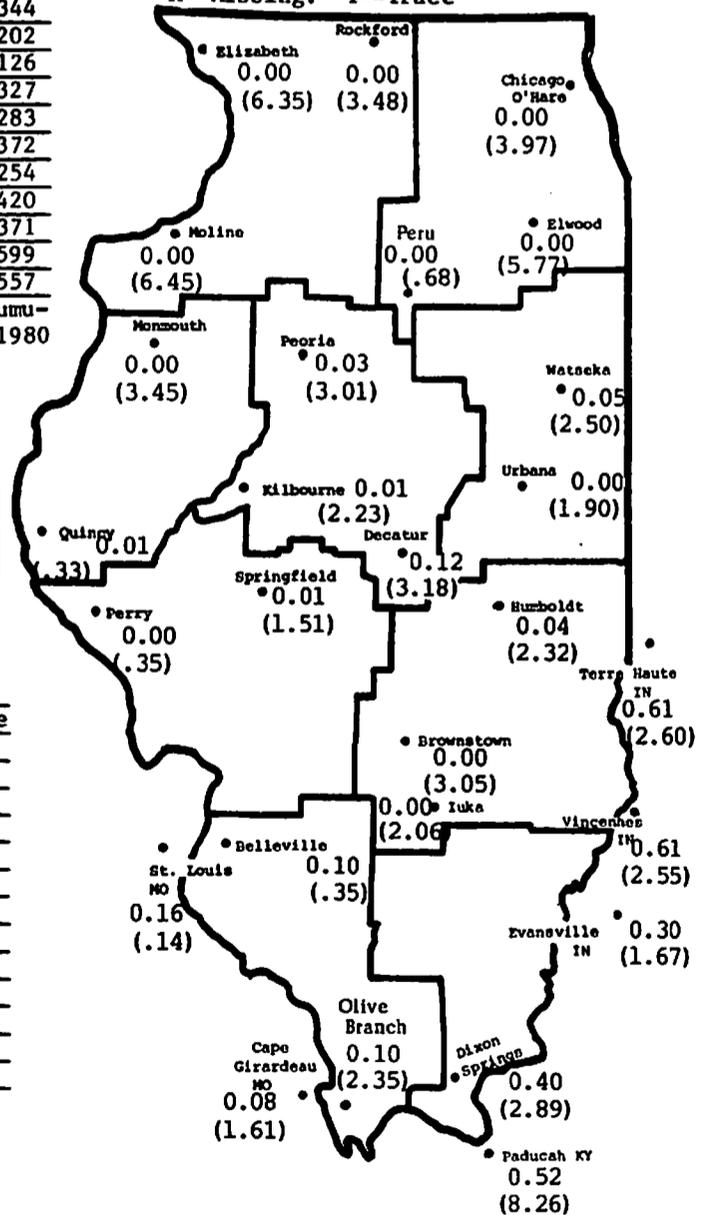
MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

	April	May	May 31- June 6	June 7- 13	June 14- 20	June 21- 27	June 28- July 4	July 5 11
Chicago	-5	-6	-6	+2	+1	+9	+3	-3
Peoria	-5	-3	-6	+2	+1	+7	+7	-2
Springfield	-6	-4	-7	+1	+1	+6	+6	-4
St. Louis	-6	-3	-5	-1	+1	+5	+7	-2

Station	Week ending Monday, 6 A.M., July 11							
	Temperatures		Growing degree days 1/					
	Maxi- :mum	Mini- :mum	Aver- :age	Current : week	3-yr. :av.2/	Totals : 1982	Totals : 1983	
Moline	: 91	: 52	: 71.3	: 146	: 1495	: 1464	: 1344	
Rockford	: 89	: 47	: 70.6	: 142	: 1344	: 1331	: 1202	
Chicago O'Hare	: 89	: 45	: 68.0	: 127	: 1292	: 1222	: 1126	
Quincy	: 92	: 51	: 73.3	: 156	: 1583	: 1439	: 1327	
Decatur	: 89	: 50	: 68.7	: 128	: 1541	: 1441	: 1283	
Peoria	: 90	: 51	: 70.6	: 140	: 1549	: 1527	: 1372	
Watseka 3/	: 91	: 45	: 68.7	: 131	: 1396	: 1341	: 1254	
Springfield	: 91	: 53	: 71.6	: 146	: 1680	: 1630	: 1420	
Brownstown 3/	: 95	: 52	: 72.4	: 149	: 1701	: 1564	: 1371	
St. Louis	: 93	: 54	: 74.9	: 168	: 1850	: 1766	: 1599	
Dixon Springs 3/	: 92	: 50	: 73.4	: 158	: 1913	: 1826	: 1557	

1/ Totals are accumulated from April 1. 2/ Average of accumulated totals for 1980, 1981 and 1982. 3/ Two-year average-1980 not available.

PRECIPITATION:
First figure-Current week, 7/5-11
Parentheses--Previous week
M--Missing. T--Trace



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

Precipitation: Week ending July 11

Station	Precipitation: Week ending July 11				
	:Current: : week	: Normal: : 1/	: Accumulations since Apr. 1 : 1983	: Normal 1/	: Departure
Rockford	: 0.00	: 1.05	: 13.17	: 14.07	: - 0.90
Chicago O'Hare	: 0.00	: 0.84	: 20.48	: 12.22	: + 8.26
Watseka	: 0.05	: 1.05	: 14.56	: 14.58	: - 0.02
Peru	: 0.00	: 0.91	: 13.47	: 13.26	: + 0.21
Moline	: 0.00	: 1.12	: 14.78	: 14.20	: + 0.58
Peoria	: 0.03	: 0.91	: 18.18	: 12.95	: + 5.23
Monmouth	: 0.00	: 0.98	: 12.76	: 13.06	: - 0.30
Quincy	: 0.01	: 0.91	: 12.51	: 12.66	: - 0.15
Springfield	: 0.01	: 0.77	: 11.15	: 12.07	: - 0.92
Decatur	: 0.12	: 0.91	: 20.54	: 14.06	: + 6.48
Urbana	: 0.00	: 0.98	: 20.51	: 13.01	: + 7.50
Belleville	: 0.10	: 0.77	: 13.46	: 12.43	: + 1.03
Evansville, IN	: 0.30	: 0.91	: 25.26	: 13.57	: +11.69

1/ 30-year average (1951-80).