

# ILLINOIS WEATHER & CROPS



Illinois Department of Agriculture  
STATISTICAL REPORTING SERVICE USDA  
Box 429 Springfield, Illinois 62705  
Phone: (217) 492-4295

**CONTRIBUTORS:**

National Weather Serv. Forecast Office (Chicago)  
Midwest Agr. Weather Serv. Ctr. (W. Lafayette, Ind.)  
Illinois State Water Survey Div., DENR (Champaign)

RELEASED: JULY 5, 1983, 3 P.M., CDT

VOL.4, NO.16

CROP HI-LITES

- \*\*\* Soybeans - 6% bloomed
- \*\*\* Wheat - 98% turning yellow, 70% ripe  
12% harvested
- \*\*\* Soil Moisture - 17% short, 69% adequate,  
14% surplus

There were 4.25 DAYS SUITABLE for FIELDWORK for the week ending Friday, July 1. Hot temperatures continued last week and thunderstorms occurred over most of the State. Rainfall amounts varied widely with many areas receiving heavy amounts. This caused the condition of most crops to improve.

The average height of CORN as of Sunday, July 3, was 32 inches compared to 47 inches last year and 5-year average (1978-82) of 41 inches. The height in the most advanced fields was 49 inches, compared to 66 inches last year and the average of 58 inches. The condition on Friday, July 1, was reported to be 14% excellent, 76% good, and 10% fair.

SOYBEAN condition on Friday, July 1, was reported to be 7% excellent, 71% good and 22% fair. Six percent of the soybeans were blooming compared to 20% last year and the 9% average. There are reports of weed control problems in parts of the State.

SORGHUM planting was 95% complete compared to 100% last year and the average of 97%.

Ninety-eight percent of WINTER WHEAT was turning yellow compared to 100% last year and the average of 98%. Wheat was 70% ripe compared to 86% for both last year and the 5-year average. Twelve percent of the crop was harvested by July 3 compared to 41% for both last year and the average. There are reports of some wheat lodging from high winds which accompanied the thunderstorms.

OATS were 75% filled on Sunday, July 3, compared to 81% last year and the average of 82%. Thirty-five percent of the crop was turning yellow compared to 48% last year and 34% for the average. Five percent of the crop was ripe compared to 5% last year and 8% for the average. Oats condition was reported on Friday, July 1, to be 10% excellent, 57% good, 32% fair, and 1% poor.

The second crop of ALFALFA HAY was 25% cut compared to 29% last year and 34% for the average. Condition of alfalfa was 11% excellent, 71% good, and 18% fair, as reported on July 1. Reports are that regrowth after the first cutting has been slow in central districts.

The first crop of CLOVER HAY was 94% cut, compared to 84% last year and the average of 91%. Clover hay condition was reported on July 1 to be 14% excellent, 71% good and 15% fair.

PASTURE condition was reported as 14% excellent, 63% good, 21% fair, and 2% poor on July 1.

SOIL MOISTURE on Friday, July 1, was reported 17% short, 69% adequate, and 14% surplus.

WEATHER

The week of June 27 thru July 3 can best be described as hot and wet.

TEMPERATURES over the State ranged from 2 to 6 degrees above normal. Chicago was 2 degrees above normal while around Quincy and St. Louis temperatures were 5 to 6 degrees above normal.

PRECIPITATION was extremely heavy in Northern and extreme Southern Illinois. Chicago, Decatur, Moline, Peoria and Rockford all reported weekly totals in excess of 3 inches, with Moline reporting almost 6½ inches. Central Illinois received lesser amounts with Springfield reporting only 1.51 inches and Cape Girardeau, Missouri reporting 1.61 inches. Extreme Southern Illinois was also hard-hit with Paducah, Kentucky receiving 8.26 inches for the week. The only seemingly dry area was in the vicinity of Quincy where they reported only .33 inches for the week.

The OUTLOOK for the week of July 4-10 is calling for below normal temperatures early in the week to above normal by the weekend. Rainfall should be near normal this week.

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 1. Precipitation totaled 1.09 inches last week. In the soil layer from the surface to 4 inches the PPAM decreased from 27% to 26%; at the 4 to 12-inch depth, the PPAM increased from 5% to 18%; and at the 12 to 20-inch depth, the PPAM decreased from 23% to 19%. Over the total soil column from the surface to nearly 7 feet, the PPAM decreased from 62% to 61%.

ILLINOIS CROP REPORTING DISTRICT SUMMARY

Crop and Soil Characteristics	NW	NE	W	C	E	WSW	ESE	SW	SE	STATE
Days suitable for fieldwork:(week ending July 1)	4.0	3.0	6.5	4.0	4.0	5.0	4.0	3.5	4.5	4.25
Soil moisture % (as of July 1)										
Short:	10	--	70	10	--	25	10	15	15	17
Adequate:	85	90	30	70	90	70	80	35	70	69
Surplus:	5	10	--	20	10	5	10	50	15	14

Illinois Weather & Crops  
July 5, 1983

MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

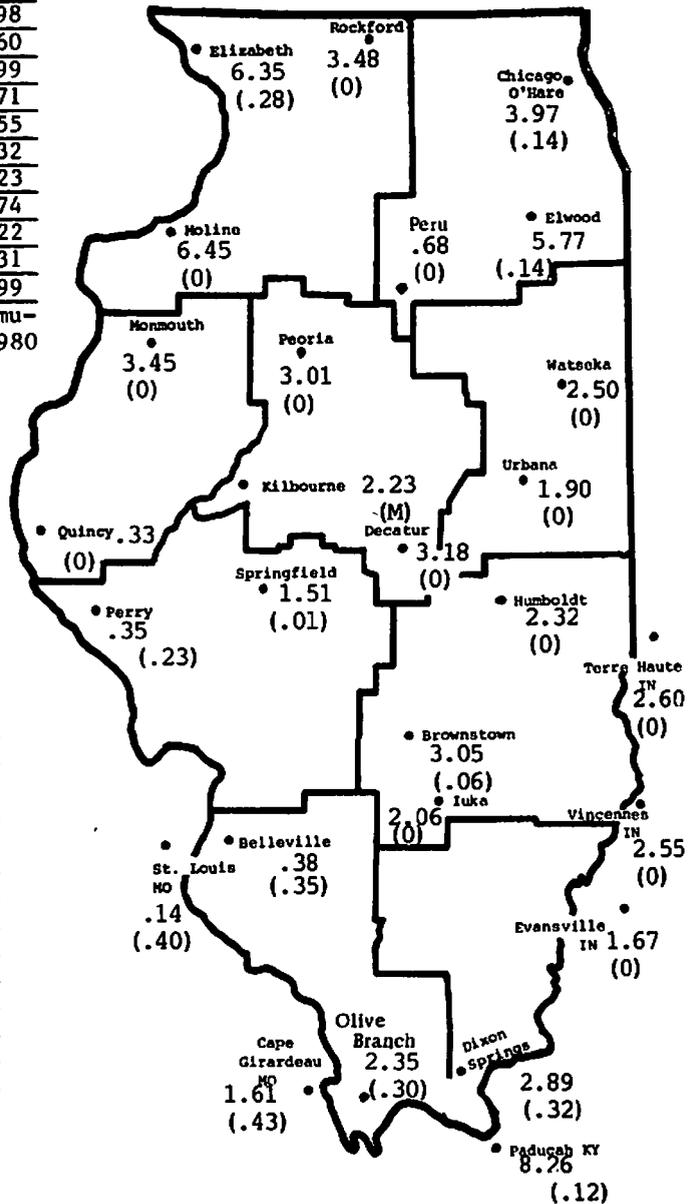
	April	May	May 31- June 6	June 7- 13	June 14- 20	June 21- 27	June 28- July 4
Chicago	-5	-6	-6	+2	+1	+9	+3
Peoria	-5	-3	-6	+2	+1	+7	+7
Springfield	-6	-4	-7	+1	+1	+6	+6
St. Louis	-6	-3	-5	-1	+1	+5	+7

Week ending Monday, 6 A.M., July 4

Station	Maxi- :mum	Mini- :mum	Aver- :age	Current : week	3-yr. :av.2/	Totals : 1982	Totals : 1983
Moline	92	67	77.9	188	1311	1288	1198
Rockford	89	64	74.6	170	1172	1167	1060
Chicago O'Hare	88	63	74.4	170	1122	1066	999
Quincy	96	67	81.1	198	1388	1267	1171
Decatur	93	66	78.1	189	1352	1257	1155
Peoria	93	68	80.0	199	1360	1351	1232
Watseka 3/	88	64	76.9	186	1228	1187	1123
Springfield	95	69	80.6	200	1485	1451	1274
Brownstown 3/	96	67	80.9	202	1513	1386	1222
St. Louis	97	72	84.1	214	1641	1570	1431
Dixon Springs 3/	93	70	80.7	204	1721	1635	1399

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, 6/28-7/4  
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 4

Station	Current : week	Normal : 1/	Accumulations : 1983	Normal : 1/	Departure
Rockford	3.48	1.05	13.17	13.02	+ 0.15
Chicago O'Hare	3.97	0.90	20.48	11.38	+ 9.10
Watsaka	2.50	1.05	14.51	13.53	+ 0.98
Peru	0.68	0.91	13.47	12.35	+ 1.12
Moline	6.45	1.06	14.78	13.08	+ 1.70
Peoria	3.01	0.91	18.15	12.04	+ 6.11
Monmouth	3.45	0.98	12.76	12.08	+ 0.68
Quincy	0.33	0.88	12.50	11.75	+ 0.75
Springfield	1.51	0.80	11.14	11.30	- 0.16
Decatur	3.18	0.97	20.42	13.15	+ 7.27
Urbana	1.90	0.95	20.51	12.03	+ 8.48
Belleville	0.38	0.83	13.36	11.66	+ 1.70
Evansville, IN	1.67	0.88	24.96	12.66	+12.30

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