

# ILLINOIS WEATHER & CROPS



## ILLINOIS COOPERATIVE CROP REPORTING SERVICE

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: MAY 9, 1983, 3 P.M., CDT

VOL. 4, NO. 8

CROPS

There were 1.25 DAYS SUITABLE for FIELDWORK for the week ending Friday, May 6. Again, most of the fieldwork was in northern and northwestern areas. Wet soil conditions in other areas again delayed activities. Reports indicate that less than 1% of the soybean acreage has been planted, mostly in the Northwest District.

CORN planting was 23% complete as of Sunday, May 8, compared to 78% last year and the 5-year average (1978-82) of 51%. Some problems with soil crusting after the corn was planted were reported.

WINTER WHEAT condition on Friday, May 6, was reported as 12% excellent, 76% good, and 12% fair. Five percent of the winter wheat acreage has headed, compared to 1% last year and the 5-year average of 12%.

OATS seeded as of Sunday, May 8, was 85% complete, compared to 100% last year and the 5-year average of 94%.

ALFALFA condition was reported as 8% excellent, 73% good, 17% fair, and 2% poor.

FLOWING for 1983 Corn and Soybean acreage is 87% complete, compared to 99% last year and the 5-year average of 94%.

PASTURES were reported as 12% excellent, 73% good, and 15% fair, and were supplying 70% of livestock roughage requirements. This compares to 67% last year and the 5-year average of 74%.

SOIL MOISTURE on Friday, May 6, was reported to be 30% adequate and 70% surplus. Reports indicated moderate to severe soil erosion in central and southern areas from the heavy rain of May 1 and severe wind erosion on May 6 in many central and northern areas.

WEATHER

TEMPERATURES for the period of May 2 through 8 averaged from normal to 4 degrees below normal throughout the State. A brief, warm period developed at the end of the week sending maximum readings into the 70's and 80's. However, on the 8th a cool period again developed.

PRECIPITATION for the period of May 2 through 8 was again heavy over much of the State as rainfall amounts ranged from less than 1 inch to 4 inches. For the second straight week, the northwest area received the least amounts (from .22 to .40 of an inch). The heavier amounts fell in the extreme South where about 4 inches were reported (more than 4 inches fell during a 24-hour period). The Big Muddy River in the South is still above flood stage.

The OUTLOOK for May 9 thru May 16 is for temperatures to be below normal and precipitation to be near normal.

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 May 6. Precipitation was heavy, accumulating 2.45 inches last week. In the soil layer from the surface to 4 inches the PPAM decreased from 117% to 109%; at the 4 to 12-inch depth, the PPAM increased from 76% to 79%; and at the 12 to 20-inch depth, the PPAM decreased from 85% to 82%. Over the total soil column from the surface to nearly 7 feet, the PPAM decreased from 85% to 84%.

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 May 8) :	40	25	30	27	14	16	16	2	2	23	51
Days suitable for fieldwork:(week ending May 6) :	4.5	2.5	2.5	1.0	0.5	0.5	0.5	0	0	1.25	
Soil moisture % (as of May 6) :											
Short:	0	0	0	0	0	0	0	0	0	0	
Adequate:	100	45	45	30	20	15	10	5	0	30	
Surplus:	0	55	55	70	80	85	90	95	100	70	

Illinois Weather & Crops  
May 9, 1983

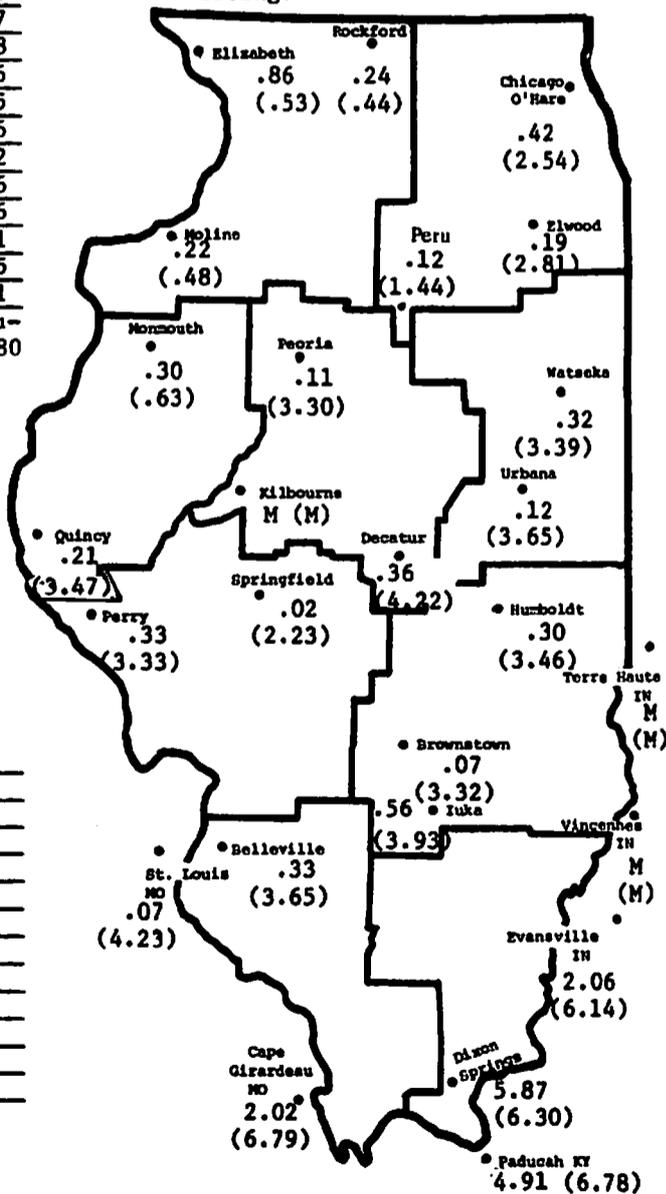
MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

	February	March	Apr. 5-11	Apr. 12-18	Apr. 19-25	Apr. 26-May 2	May 3-9
Chicago	+5	+1	-5	-7	-9	+2	-4
Peoria	+6	+3	-6	-7	-6	+4	-2
Springfield	+5	+3	-7	-6	-8	+4	-4
St. Louis	+4	+1	-11	-7	-10	+4	-2

Station	Week ending Monday, 6 A.M., May 9						
	Temperatures : Growing degree days 1/						
	Maxi- :mum	Mini- :mum	Aver- :age	Current : week	3-yr. :av. 2/	Totals : 1982	Totals : 1983
Moline	: 83	: 30	: 54.5	: 61	: 311	: 300	: 177
Rockford	: 79	: 29	: 51.1	: 50	: 257	: 267	: 158
Chicago O'Hare	: 77	: 27	: 50.7	: 43	: 261	: 251	: 136
Quincy	: 81	: 34	: 54.8	: 56	: 336	: 282	: 165
Decatur	: 77	: 30	: 55.3	: 60	: 313	: 280	: 186
Peoria	: 81	: 33	: 56.1	: 66	: 311	: 311	: 192
Watseka 3/	: 76	: 28	: 52.3	: 50	: 280	: 251	: 166
Springfield	: 82	: 33	: 55.8	: 66	: 361	: 334	: 206
Brownstown 3/	: 77	: 35	: 57.8	: 71	: 384	: 298	: 201
St. Louis	: 84	: 38	: 60.2	: 83	: 428	: 368	: 265
Dixon Springs 3/	: 80	: 43	: 62.5	: 93	: 475	: 377	: 291

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, May 3-9  
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.

Station	Week ending Mon., 6 A.M. May 9	
	Average daily soil temperature 4" bare soil	
	Maximum	Minimum
Elizabeth	: 56	: 45
Elwood	: 60	: 49
Monmouth	: 59	: 49
Urbana	: 65	: 51
Perry	: 59	: 48
Brownstown	: 63	: 53
Belleville	: M	: M
Dixon Springs	: 67	: 56