

ILLINOIS WEATHER & CROPS



ILLINOIS COOPERATIVE CROP REPORTING SERVICE

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CROP HI-LITES

*** Corn - 86% planted
*** Soybeans - 45% planted
*** Wheat - 75% headed, 20% filled
*** Soil Moisture - 2% short, 60% adequate
38% surplus

There were 4.0 DAYS SUITABLE for FIELDWORK for the week ending Friday, May 27, as mostly dry weather allowed fields to dry. Corn planting in many areas neared completion, although cool soils and crusting has caused poor emergence. Many farmers were using rotary hoes to break the crust and aid crop emergence. Reports indicate that some early planted crops may have to be replanted because of poor stands.

CORN planting was 86% complete as of Sunday, May 29, compared to 100% last year and the 5-year average (1978-82) of 98%. All areas of the State except the Southeast District made rapid progress last week. Comments indicated that some of the emerged crop was yellow due to the cool, cloudy conditions.

SOYBEAN planting was 45% complete on May 29, compared to 79% last year and the 5-yr. average of 58%.

SORGHUM planting was 15% complete compared to 64% last year and the average of 34%.

WINTER WHEAT condition on Friday, May 27, was reported to be 8% excellent, 81% good, and 11% fair. The crop was 75% headed as of May 29, compared to 88% last year and the 5-year average of 78%. Twenty percent of the wheat acreage was filled, compared to 42% last year and the average of 33%. Reports indicate that rust is beginning to be a problem in some isolated fields.

The OATS crop on May 27 was reported as 12% excellent, 66% good, 20% fair and 2% poor.

ALFALFA condition was reported as 17% excellent, 70% good, and 13% fair. Cutting of the first crop was 13% complete on May 29, compared to 23% last year and the 5-year average of 26%. Alfalfa weevils have been noted in a few fields.

PASTURES were reported as 22% excellent, 73% good and 5% fair.

SOIL MOISTURE as of Friday, May 27, was reported as 2% short, 60% adequate, and 38% surplus. Comments from Warren, Knox, and parts of surrounding counties indicate that crops could use additional moisture.

WEATHER

TEMPERATURES for the period of May 23 thru 29 averaged from 2 to 7 degrees below normal throughout the State as a cool, rainy period continued in the Mid-West. Chicago established a new minimum of 34 degrees on the 26th of May.

PRECIPITATION was light to moderate over the State with amounts ranging from .06 of an inch at Moline to 1.43 inches at Chicago.

The OUTLOOK for May 31 thru June 5 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 27. Only 0.22 of an inch of precipitation was recorded last week. In the soil layer from the surface to 4 inches the PPAM decreased from 115% to 67%; at the 4 to 12-inch depth, the PPAM decreased from 80% to 50%; and at the 12 to 20-inch depth, the PPAM decreased from 83% to 70%. Over the total soil column from the surface to nearly 7 feet, the PPAM decreased from 85% to 76%.

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 29)	95	95	96	97	95	85	65	65	20	86	98
Soybeans: % planted (as of May 29)	65	50	70	60	55	40	35	20	10	45	58
Alfalfa Hay: % cut (as of May 29)	5	7	10	8	8	20	20	40	20	13	26
Days suitable for fieldwork:(week end- (as of May 27)	4.0	3.5	5.5	5.0	3.5	3.5	4.5	4.0	3.5	4.0	
Soil moisture % (as of May 27) Short:	0	0	15	0	0	0	0	0	0	2	
Adequate:	70	50	65	70	65	80	70	35	30	60	
Surplus:	30	50	20	30	35	20	30	65	70	38	

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ILLINOIS WEATHER

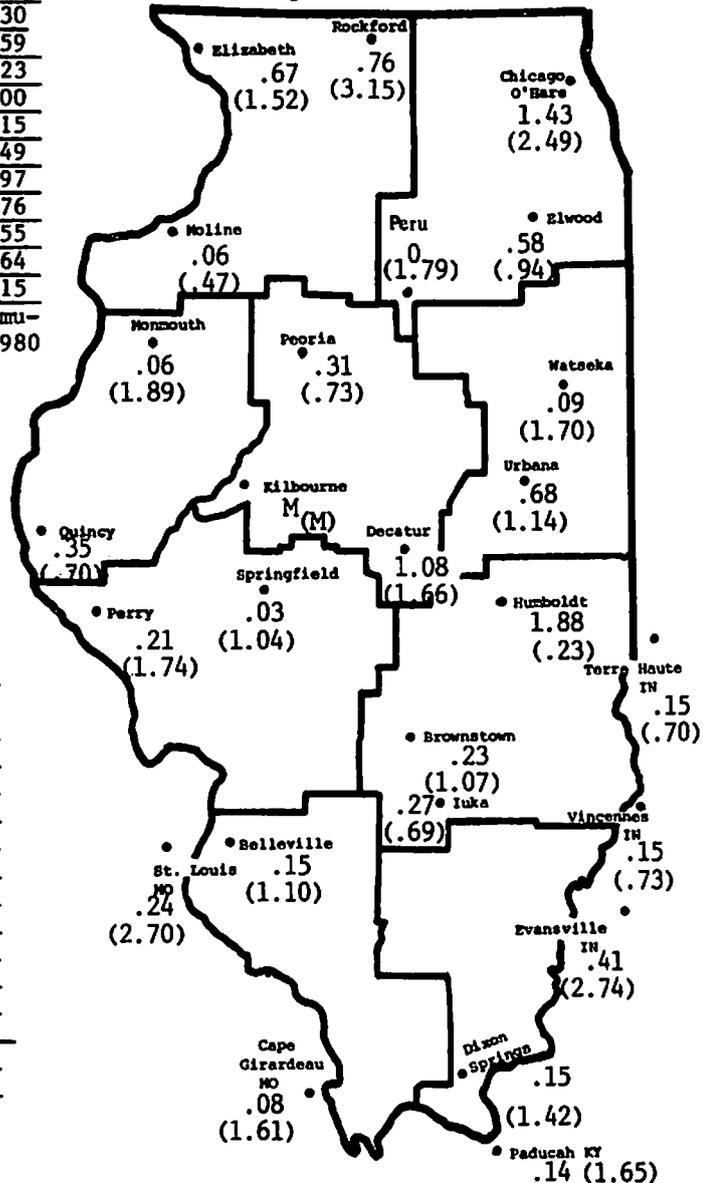
MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

	March	April	Apr. 26- May 2	May 3- 9	May 10 16	May 17- 23	May 24- 30
Chicago	+1	-5	+2	-4	-1	-2	-7
Peoria	+3	-5	+4	-2	+1	-1	-3
Springfield	+3	-6	+4	-4	0	-2	-3
St. Louis	+1	-6	+4	-2	-1	-2	-4

Station	Week ending Monday, 6 A.M., May 30						
	Temperatures		Growing degree days 1/				
	Maxi- :mum	Mini- :mum	Aver- : age	Current : week	3-yr. :av. 2/	Totals : 1982	Totals : 1983
Moline	: 80	: 39	: 60.2	: 83	: 619	: 672	: 430
Rockford	: 77	: 36	: 55.8	: 62	: 546	: 629	: 359
Chicago O'Hare	: 77	: 34	: 54.8	: 53	: 526	: 581	: 323
Quincy	: 76	: 43	: 60.9	: 83	: 651	: 659	: 400
Decatur	: 74	: 42	: 59.4	: 76	: 635	: 669	: 415
Peoria	: 77	: 42	: 61.3	: 87	: 633	: 719	: 449
Watseka 3/	: 76	: 38	: 58.4	: 74	: 584	: 629	: 397
Springfield	: 78	: 47	: 63.1	: 94	: 714	: 775	: 476
Brownstown 3/	: 74	: 42	: 61.0	: 87	: 741	: 720	: 455
St. Louis	: 83	: 47	: 64.9	: 105	: 799	: 824	: 564
Dixon Springs 3/	: 79	: 46	: 64.9	: 105	: 866	: 838	: 615

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 24-30
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	Precipitation: Week ending May 30			
	Current : week	Normal : 1/	Accumulations since Apr. 1	
			1983	Normal 1/
Rockford	: 0.76	: 0.84	: 8.88	: 7.80
Chicago O'Hare	: 1.43	: 0.70	: 14.15	: 6.60
Watseka	: 0.09	: 0.91	: 10.12	: 8.40
Peru	: 0.00	: 0.91	: 11.13	: 7.80
Moline	: 0.06	: 0.98	: 6.80	: 8.10
Peoria	: 0.31	: 0.84	: 13.56	: 7.50
Monmouth	: 0.06	: 0.84	: 8.30	: 7.20
Quincy	: 0.35	: 0.91	: 10.61	: 7.50
Springfield	: 0.03	: 0.77	: 8.09	: 7.20
Decatur	: 1.08	: 0.91	: 14.78	: 8.10
Urbana	: 0.68	: 0.84	: 11.08	: 7.50
Belleville	: 0.15	: 0.84	: 10.33	: 7.20
Evansville, IN	: 0.41	: 0.98	: 19.16	: 8.40

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