

ILLINOIS WEATHER & CROPS



ILLINOIS COOPERATIVE CROP REPORTING SERVICE

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Illinois State Water Survey Div., DENR (Champaign)

RELEASED: MAY 23, 1983, 3 P.M., CDT

CROP HI-LITES

*** Corn - 69% planted
*** Soybeans - 21% planted
*** Wheat - 45% headed
*** Soil Moisture - 1% short, 39% adequate
60% surplus

There were 2.0 DAYS SUITABLE for FIELDWORK for the week ending Friday, May 20, as cool and wet conditions again limited activities across most of the state. The Northwest and West Crop Reporting Districts had 3.5 days suitable while the Southeast District only had 0.5 days. Farmers continued planting where conditions allowed; however, rain during the middle of the week and again on the weekend kept fields wet.

CORN planting was 69% complete as of Sunday, May 22, compared to 97% last year and the 5-year average (1978-82) of 77%. The Northwest Crop Reporting District leads the State with 90% planted while the Southeast District has only 12% planted. Reporters indicate that problems continue with cool soils slowing germination and crusting hindering emergence. Replanting of corn in some areas will be necessary because of the crusting problems.

SOYBEAN planting was 21% complete on May 22, compared to 66% last year and the 5-yr. average of 39%.

WINTER WHEAT condition on Friday, May 20, was reported to be 8% excellent, 71% good, 19% fair and 2% poor. The crop was 45% headed as of May 22, compared to 70% last year and the 5-year average of 55%. Seven percent of the wheat acreage was filled, compared to 13% last year and the average of 14%. There is some concern with foliar diseases in the wheat because of the cool, wet weather.

OATS seeding is virtually complete with the condition reported as 7% excellent, 67% good, 21% fair and 5% poor.

ALFALFA condition was reported as 11% excellent, 71% good, 17% fair and 1% poor. Less than 5% of the first crop was cut by May 22, compared to 14% last year and an average of 12%. Alfalfa evils were noted in a few fields.

PASTURES were reported as 23% excellent, 70% good and 7% fair.

SOIL MOISTURE before this weekend's rain was reported as 1% short, 39% adequate, and 60% surplus.

WEATHER

TEMPERATURES for the period of May 16 through 22 averaged from 2 to 6 degrees below normal throughout the State as a cool period continued for the third straight week. Minimum readings in the North dropped into the 30's during the first part of the week.

PRECIPITATION was light to moderate over much of the State as rainfall amounts ranged from .33 to .70 of an inch. However, the South received heavier amounts of 1 to 3 inches with nearly 3 inches falling during a 24-hour period in some southwestern areas. For the fourth consecutive week, the northwest area received the lightest amount.

The OUTLOOK for May 24 through 30 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) increased in the moderately well-drained Flanagan soil four miles south of Bondville in Champaign County during the week ending May 20. A total of 2.53 inches of precipitation was received last week. In the soil layer from the surface to 4 inches the PPAM increased from 77% to 115%; at the 4 to 12-inch depth, the PPAM increased from 54% to 80%; and at the 12 to 20-inch depth, the PPAM increased from 71% to 83%. Over the total soil column from the surface to nearly 7 feet, the PPAM increased from 78% to 85%.

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 22)	90	75	80	80	70	68	42	25	12	69	77
Soybeans: % planted (as of May 22)	46	17	40	23	18	16	24	3	3	21	39
Days suitable for fieldwork: (week ending May 20)	3.5	2.5	3.5	1.5	1.5	2.5	2.5	1.0	0.5	2.0	
Soil moisture % (as of May 20)											
Short:	10	0	0	0	0	0	0	0	0	1	
Adequate:	70	50	65	35	35	55	40	0	0	39	
Surplus:	20	50	35	65	65	45	60	100	100	60	

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ILLINOIS WEATHER

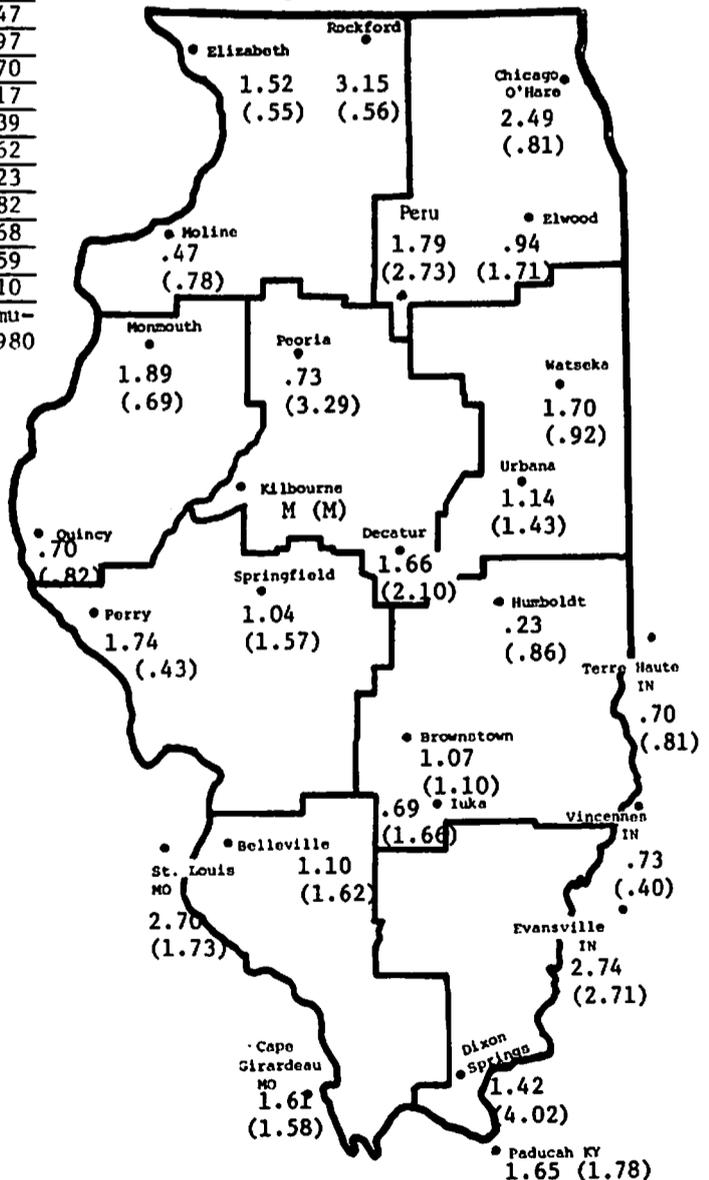
MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

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

Station	Week ending Monday, 6 A.M., May 23						
	Temperatures		Growing degree days 1/		Totals		Totals
	Maxi- :mum	Mini- :mum	Aver- :age	Current : week	3-yr. :av.2/	1982	1983
Moline	: 76	: 44	: 61.4	: 82	: 500	: 568	: 347
Rockford	: 72	: 35	: 56.8	: 63	: 432	: 516	: 297
Chicago O'Hare	: 72	: 37	: 57.9	: 66	: 422	: 488	: 270
Quincy	: 75	: 46	: 60.5	: 77	: 524	: 544	: 317
Decatur	: 72	: 44	: 59.9	: 71	: 508	: 549	: 339
Peoria	: 76	: 44	: 61.4	: 84	: 503	: 595	: 362
Watseka 3/	: 76	: 40	: 60.6	: 82	: 476	: 520	: 323
Springfield	: 75	: 46	: 61.6	: 83	: 574	: 636	: 382
Brownstown 3/	: 69	: 43	: 60.3	: 76	: 606	: 582	: 368
St. Louis	: 75	: 46	: 64.1	: 100	: 650	: 668	: 459
Dixon Springs 3/	: 75	: 47	: 63.6	: 98	: 710	: 675	: 510

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 17-23
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 May 23

Station	Current week		Normal Accumulations since Apr. 1	
	: week	: 1/	: 1983	: Normal 1/
Rockford	: 3.15	: 0.84	: 7.56	: 6.12
Chicago O'Hare	: 2.49	: 0.70	: 11.91	: 5.20
Watseka	: 1.70	: 0.91	: 9.11	: 6.58
Peru	: 1.79	: 0.91	: 8.40	: 5.98
Moline	: 0.47	: 0.98	: 6.74	: 7.12
Peoria	: 0.73	: 0.84	: 13.25	: 6.66
Monmouth	: 1.89	: 0.84	: 8.24	: 6.36
Quincy	: 0.70	: 0.91	: 10.26	: 6.59
Springfield	: 1.04	: 0.77	: 8.06	: 6.43
Decatur	: 1.66	: 0.91	: 13.70	: 7.19
Urbana	: 1.14	: 0.84	: 10.40	: 6.66
Belleville	: 1.10	: 0.84	: 10.18	: 6.36
Evansville, IN	: 2.74	: 0.98	: 18.75	: 6.44

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