

ILLINOIS WEATHER & CROPS



**ILLINOIS
COOPERATIVE CROP
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CROPS

There were 4.5 DAYS SUITABLE for FIELDWORK for the week ending Friday, April 29. Dry conditions in northern areas allowed 6.0 days suitable while rains during the latter part of the week in southern areas limited fieldwork.

CORN planting was 12% complete as of Sunday, May 1, compared to 26% last year and a 5-year average (1978-82) of 18%. Dry field conditions through much of last week allowed planting to make good progress in most areas. However, rains this past weekend again slowed progress.

WINTER WHEAT on Friday, April 29, was reported as 4% excellent, 78% good and 18% fair, as the warmer weather allowed the condition to show some improvement.

OATS seeded as of Sunday, May 1, was 73% complete, compared to 93% for last year and a 5-year average of 85%.

ALFALFA condition also improved and was reported as 10% excellent, 76% good, and 14% fair.

PLOWING for 1983 Corn and Soybean acreage is 83% complete, compared to 88% last year and the 5-year average of 85%.

PASTURES were reported as 13% excellent, 75% good, 12% fair, and were supplying 50% of livestock roughage requirements. This compares to 55% last year and the 5-year average of 61%.

SOIL MOISTURE on Friday, April 29, before this weekend's rain, was reported to be 2% short, 62% adequate, and 36% surplus.

WEATHER

TEMPERATURES for the period of April 25 thru May 2 averaged from 1 degree below normal to 3 degrees above normal throughout the State. Maximum readings in the South climbed into the upper 70's.

PRECIPITATION was heavy over much of the State as rainfall amounts ranged from 1 to 7 inches. The northwest area received the least amount (from .22 to .39 of an inch). The heavier amounts fell in the extreme South where nearly 7 inches were reported (more than 5 inches fell during a 24-hour period). Many rivers in the South are above flood stage.

The OUTLOOK for May 3 thru May 9 is for temperatures to be below normal and precipitation to be above 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 April 29. Precipitation was heavy, accumulating 1.73 inch last week. In the soil layer from the surface to 4 inches the PPAM increased from 74% to 117%; at the 4 to 12-inch depth, the PPAM increased from 75% to 76%; and at the 12 to 20-inch depth, the PPAM increased from 74% to 85%. Over the total soil column from the surface to nearly 7 feet, the PPAM increased from 81% 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 1) :	6	8	14	25	12	14	13	1	2	12	18
Days suitable for fieldwork:(week ending April 29) :	6.0	6.0	5.0	4.5	4.5	4.0	5.0	2.0	4.0	4.5	
Soil moisture % (as of April 29) :											
Short:	10	0	0	0	10	0	0	0	0	2	
Adequate:	90	85	80	70	50	55	70	0	50	62	
Surplus:	0	15	20	30	40	45	30	100	50	36	

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ILLINOIS WEATHER

MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

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

Station	: Week ending Monday, 6 A.M., May 2						
	: Temperatures		: Growing degree days 1/				
	: Maxi-	: Mini-	: Aver-	: Current	: 3-yr.	: Totals	: Totals
	:mm	:mm	: age	: week	:av.2/:	1982	1983
Moline	: 82	45	59.5	: 70	228	177	116
Rockford	: 82	33	56.6	: 66	186	165	108
Chicago O'Hare	: 82	39	55.6	: 59	188	145	93
Quincy	: 80	50	59.5	: 66	251	171	109
Decatur	: 77	46	60.5	: 75	230	170	126
Peoria	: 81	47	60.6	: 78	225	186	126
Watseka 3/	: 79	31	56.1	: 66	199	146	116
Springfield	: 80	48	61.3	: 80	271	210	140
Brownstown 3/	: 78	47	61.6	: 83	298	193	130
St. Louis	: 83	53	65.4	: 108	326	239	182
Dixon Springs 3/	: 78	34	63.1	: 104	365	256	198

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

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 2	
	: Average daily soil temperature	
	: 4" bare soil	
	: Maximum	: Minimum
Elizabeth	: 60	50
Elwood	: 63	43
Monmouth	: 61	50
Urbana	: 60	52
Perry	: 61	50
Brownstown	: 60	54
Belleville	: 64	54
Dixon Springs	: 66	56

PRECIPITATION:
First figure-Current week, 4/26-5/2
Parentheses--Previous week
M--Missing. T--Trace

