

ILLINOIS WEATHER & CROPS



ILLINOIS COOPERATIVE CROP REPORTING SERVICE

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CROPS

There were NO DAYS SUITABLE for FIELDWORK for the week ending April 15. Again, wet weather during the week kept farmers out of the fields and confined activities to preparing equipment and caring for livestock.

WINTER WHEAT on Friday, April 15, was reported as 9% excellent, 66% good, and 25% fair, a decline in the overall condition from a week earlier. Wheat fields in some areas continue to show yellowing of leaves because of the cool, wet weather and lack of sunshine.

OATS seeded as of Sunday, April 17, remained at 17% complete, compared to 36% last year and the 5-year average, (1978-1982) of 41%.

ALFALFA condition as of April 15 was reported as 5% excellent, 78% good, 16% fair, and 1% poor.

PLOWING for 1983 Corn and Soybean acreage remained at 73%, compared to 72% last year and the 5-year average of 75%. The wet weather during the week kept fields too wet to work.

PASTURES were reported as 1% excellent, 78% good, 19% fair, and 2% poor and were supplying about 25% of the livestock roughage requirements. This is about the same as last year and slightly less than the 5-year average.

LIVESTOCK was reported to be in fair condition as continued rain and cool weather kept pastures lots muddy. Gains in livestock have been below average because of these conditions, with feed requirements higher than normal.

SOIL MOISTURE on Friday, April 15, was reported as 5% adequate and 95% surplus.

WEATHER

TEMPERATURES this past week were below seasonal levels once again. Weekly averages ranged from 8 to 10 degrees below normal in the west, central, and north areas and 5 to 6 degrees below normal south and east. Temperature extremes were wide, ranging from the mid-60's to lower 70-degree midday readings early in the week to early morning lows ranging from the lower 20's north to the freezing mark south early in the weekend.

PRECIPITATION: Cloud cover was considerable through the period and precipitation was frequent and heavy. Widespread shower activity was triggered ahead and along an organized frontal assault about midweek, with some lingering showers that turned into a short-lived snowstorm over the weekend. Water equivalent totals averaged 0.33" to 0.50" northwest and central. Most other sections received from 1.0 to 2.0 inches with a few 2-inch plus totals reported in East-central Illinois.

Little or no precipitation is forecast for the upcoming week. Temperatures will be below seasonal levels, although a gradual warming trend is expected.

STATE WATER SURVEY DIVISION

The State Water Survey Division reports that Potential Plant Available Moisture (PPAM) continued to rise in the moderately well-drained Flanagan soil four miles south of Bondville in Champaign County. Precipitation amounted to about 0.9 inches during the period. In the soil layer from the surface to 4 inches the PPAM increased from 121% to 141%; at the 4 to 12 inch depth, the PPAM increased from 79% to 90%; and at the 12 to 20 inch depth, the PPAM increased from 80% to 83%. Soil moisture in the column from the surface to nearly 7 feet increased from 85% of PPAM to 88%.

ILLINOIS CROP REPORTING DISTRICT SUMMARY

	NW	NE	W	C	E	WSW	ESE	SW	SE	STATE
Days suitable for field-work: (week ending April 15)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Soil Moisture %:										
Short	0	0	0	0	0	0	0	0	0	0
Adequate	8	0	8	11	11	6	0	0	0	5
Surplus	92	100	92	89	89	94	100	100	100	95

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ILLINOIS WEATHER

MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

	<u>December</u>	<u>January</u>	<u>February</u>	<u>April 5-11</u>	<u>April 12-18</u>
Chicago	+9	+7	+5	-5	-7
Peoria	+9	+7	+6	-6	-7
Springfield	+8	+4	+5	-7	-6
St. Louis	+7	+4	+4	-11	-7

Station	Week ending Monday, 6 A.M., April 18						
	Temperatures			Growing degree days 1/			
	Maxi- : num	Mini- : num	Aver- : age	Current : week	3-yr. : av. 2/	Totals : 1982	Totals : 1983
Moline	60	23	42.4	13	105	66	13
Rockford	67	21	38.7	13	91	63	14
Chicago O'Hare	70	25	41.7	17	98	60	17
Quincy	65	24	43.8	17	124	78	17
Decatur	67	26	44.6	23	112	71	25
Peoria	66	24	44.2	16	110	75	16
Watska 3/	67	23	42.1	14	99	48	22
Springfield	68	27	46.2	27	138	91	30
Brownstown 3/	64	28	44.9	20	163	89	24
St. Louis	71	29	48.5	34	170	117	46
Dixon Springs 3/	76	26	50.4	43	201	126	72

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-degree (F) base temperature from the average of the maximum and minimum temperatures for the day. The daily maximum temperature is limited to 86 degrees (F) and daily minimum to 50 degrees (F). Thus, if the mean temperature for the day is 75 degrees, then 25 GDD's will have been accumulated.

Station	Week ending Mon., 6 A.M. 4/18	
	Average daily soil temperature	
	4" bare soil	
	Maximum	Minimum
Elizabeth	43	--
Elwood	49	39
Monmouth	49	39
Urbana	50	43
Perry	48	38
Brownstown	50	47
Belleville	--	--
Dixon Springs	59	45

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PRECIPITATION:
First figure--Current week, April 12-18
Parentheses--Previous week
M--Missing. T--Trace.

