

ILLINOIS



ILLINOIS COOPERATIVE CROP REPORTING SERVICE

Illinois Department of Agriculture
 STATISTICAL REPORTING SERVICE USDA
 Box 429 Springfield, Illinois 62705
 Phone: (217) 492-4295

WEATHER & CROPS

CONTRIBUTORS:

National Weather Serv. Forecast Office (Chicago)
 Midwest Agr. Weather Serv. Ctr. (W. Lafayette, Ind.)
 Illinois State Water Survey Div., DENR (Champaign)

RELEASED: NOVEMBER 8, 1982, 3 P.M., CST

VOL. 3, NO. 34 CROP HI-LITES

*** Corn - 89% harvested
 *** Soybeans - 98% harvested

*** Wheat - 97% seeded
 85% emerged

*** Soil Moisture - 3% short
 82% adequate
 15% surplus

Eighty-nine percent of the CORN crop has been harvested as of Sunday, November 7, compared to 78% last year and the 5-year average (1977-81) of 84%.

Ninety-eight percent of the SOYBEANS have been harvested as of November 7, compared to 92% last year and the average of 96%.

Eighty-seven percent of the 1983 WINTER WHEAT crop in Illinois has been seeded as of November 7, compared to 88% last year and the average of 94%. Eighty-five percent of next year's wheat crop has emerged compared to 74% last year and a three-year average (1979-81) of 84%. The winter wheat crop as of Friday, November 5, was reported as 15% excellent, 74% good and 11% fair.

As of November 7, 42% of the intended ground for Corn and Soybeans has been TILLED (plowed or chiseled) for next year's crop. This compares with 31% last year and the average of 46%.

SORGHUM on November 7 was 85% harvested.

PASTURES on Friday, November 5, were reported as 6% excellent, 68% good, 20% fair and 6% poor. As of November 7, pastures were supplying 55% of the total livestock roughage requirements, compared with the average of 47%.

SOIL MOISTURE was reported as 3% short, 82% adequate and 15% surplus on November 5.

There were 3.50 DAYS SUITABLE FOR FIELDWORK for the week ending November 5.

WEATHER

TEMPERATURES for the period of November 1 thru 7 ranged from 1 to 2 degrees below normal throughout the State. Minimum readings fell into the 20's in many areas.

PRECIPITATION was moderate to heavy in most sections, ranging from .50 of an inch to more than 2 inches. The southwest portion of the State was dry.

The OUTLOOK for the period of November 9 thru 15 is for temperatures and precipitation to be above normal.

SOIL MOISTURE MEASUREMENTS

Soil moisture continued to increase during the week of October 25 to November 1 on a moderately well-drained Flanagan soil in Champaign County according to measurements taken by the Illinois State Water Survey. This increase has resulted from much reduced evaporative losses, increased precipitation, and almost no transpiration. A total of 1.29 inches of precipitation was received over the last week, after a long, dry period during September. This increase in soil moisture is expected at this time of the year following the harvesting of most of the crops. Soil temperature values have decreased to lie in the range 50-53°F down to a depth of 8 inches, and to about 55°F at 16 inches.

Soil moisture was also monitored at the following locations in Illinois on October 26 - October 29:

Site	County	Inches of Soil Moisture	
		Soil Moisture	Change from surface to 20" 1 month ago
Freeport	Stephenson	5.7	+0.4
Shabbona	De Kalb	6.1	+0.6
Monmouth	Warren	5.4	-0.0
Appleton	Knox	4.3	-0.1
Peoria	Tazewell	4.7	*
Perry	Pike	4.5	-0.1
Topeka	Mason	2.8	+0.2
Bondville	Champaign	4.3	+0.4
Springfield	Sangamon	5.5	+0.6
Brownstown	Fayette	5.8	+0.2
Belleville	St. Clair	5.0	+0.2
Salem	Marion	5.5	*
Olney	Richland	5.0	-0.2
Rend Lake	Jefferson	4.8	+0.4
Dixon Springs	Pope	5.2	+0.1

* New site, data unavailable for 1 month ago.

The soil moisture values in the above table are for total moisture in the soil column, not just plant available moisture. Increases were observed in the soil moisture values for all sites with the exception of those in the far west of the State, and at Olney. These sites missed the heavier precipitation amounts experienced at the other locations near the end of October. The general increases in soil moisture resulted from the low evapotranspiration values at this time of the year.

ILLINOIS CROP REPORTING DISTRICT SUMMARY

Crop and Soil Characteristics	NW	NE	W	C	E	WSW	ESE	SW	SE	STATE	5-YR. AVG.
Corn: % harvested (as of November 7)	82	81	87	94	96	85	95	95	95	89	84
Soybeans: % combined (as of November 7)	98	99	98	100	100	96	97	97	96	98	96
Days suitable for fieldwork: (week ending Nov.5)	3.5	4.0	4.5	3.0	2.0	3.5	3.5	4.5	4.5	3.50	
Soil moisture %: (as of Nov.5)											
Short	--	--	--	5	5	--	--	10	--	3	
Adequate	75	100	90	85	85	75	90	60	85	82	
Surplus	25	--	10	10	10	25	10	30	15	15	

Illinois Weather & Crops
 November 8, 1982

ILLINOIS WEATHER

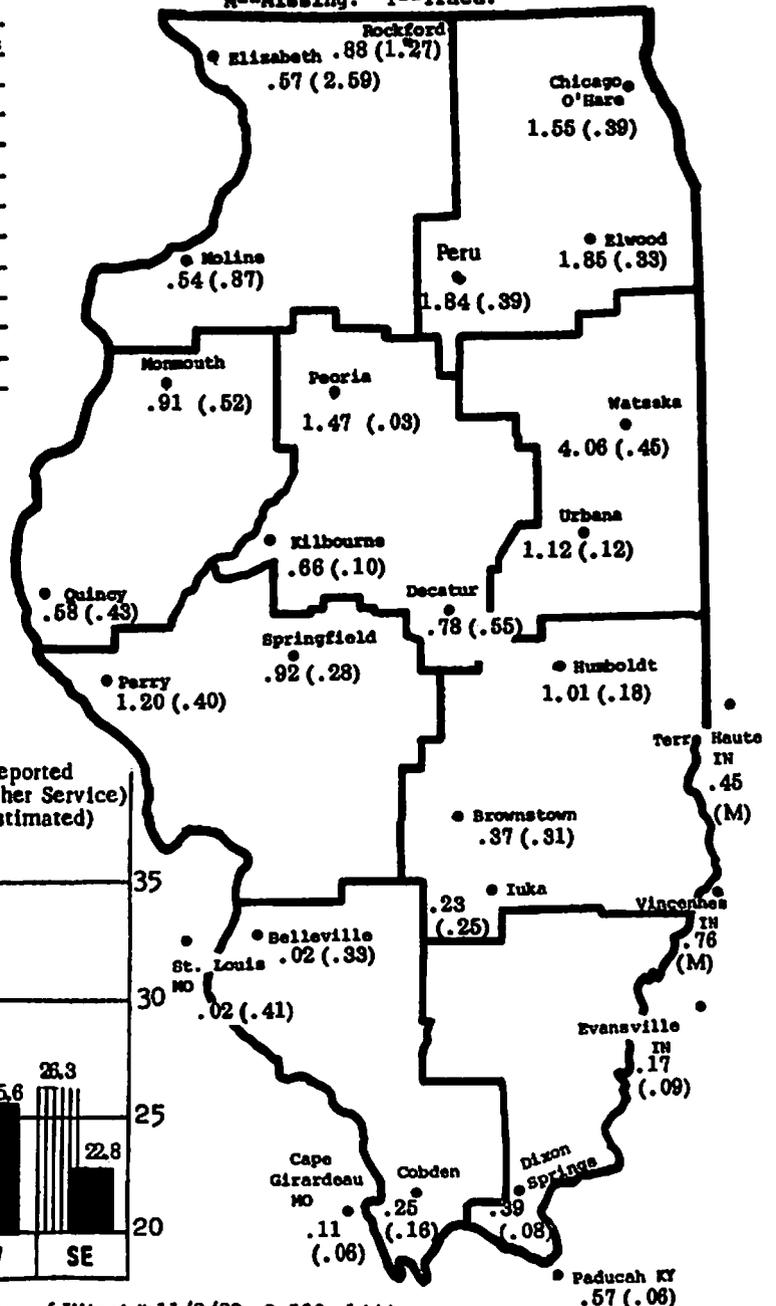
MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

	August	September	Sept. 28- Oct. 4	Oct. 5- 11	Oct. 12- 18	Oct. 19 25	Oct. 26- Nov. 1	Nov. 2- 8
Chicago	-2	-1	+6	+6	-4	-7	+7	-1
Peoria	-2	-1	+7	+8	-3	-7	+8	-1
Springfield	-2	-1	+7	+7	-4	-8	+6	-1
St. Louis	-2	-2	+6	+8	-4	-8	+6	-1

November 8

STATION	Temperature		
	: Week ending Monday 6 A.M.		
	: Maximum	: Minimum	: Average
	:		
Moline	67	25	44.1
Rockford	65	24	39.4
Chi. O'Hare	67	25	43.4
Quincy	73	25	45.9
Decatur	73	22	44.8
Peoria	69	25	44.6
Watseka	69	24	42.6
Springfield	72	22	45.9
Brownstown	78	21	46.3
St. Louis	78	24	48.8
Dixon Springs	80	19	50.9

PRECIPITATION:
 First figure--Current week, Nov. 2-8
 Parentheses--Previous week
 N--Missing. T--Trace.



ACCUMULATED PRECIPITATION (Inches)

LEGEND: Normal | Actual

April 1-Oct. 31 (Normal)
 April 1-Nov. 8 (Actual)
 April 1-Sept. 30 (reported by National Weather Service)
 Oct. 1-Nov. 8 (estimated)

