

ILLINOIS WEATHER & CROPS



ILLINOIS COOPERATIVE CROP REPORTING SERVICE

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CROP HI-LITES

- *** Corn - 94% dented, 40% mature, 3% harvested
- *** Soybeans - 63% turning yellow,
34% shedding leaves, 3% harvested
- *** Soil Moisture - 91% short, 9% adequate.

There were 6.75 DAYS SUITABLE for FIELDWORK for the week ending Friday, September 9. Widely scattered rains occurred early in the week in the North and South. However, central areas remained dry.

Ninety-four percent of the CORN was dented as of Friday, September 11. In 1982, 94% of the crop was dented while the 5-year average (1978-82) was 88%. Forty percent of the crop was mature, compared to 56% last year and the average of 50%. Three percent of the corn has been harvested for grain compared to 2% for both last year and the average. Condition of the corn on Friday, September 9, was reported as 4% good, 45% fair, 48% poor, and 3% a failure. Harvest of corn silage continues in most areas of the State. Lodging and ear droppage continue to be a problem in areas that have had high winds.

Sixty-three percent of the SOYBEAN acreage was turning yellow on Sunday, September 11. Last year, 66% was turning yellow while the 5-year average was 52%. Thirty-four percent of the crop is shedding leaves, compared to 34% in 1982 and 24% for the average. Three percent of the soybean acreage has been harvested, compared to 1% for both last year and the average. Condition on Friday, September 9, was reported as 6% good, 64% fair, and 30% poor. Farmers continue to spray for insects in later maturing fields across the State.

The thirdcutting of ALFALFA HAY was 94% complete, compared to 82% for both last year and the average. Condition of the alfalfa was reported to be 2% good, 37% fair, 57% poor and 4% a failure.

PASTURE condition on Friday, September 9 was 5% good, 16% fair, 60% poor, and 19% a failure.

SOIL MOISTURE as of Friday, September 9, was 91% short and 9% adequate.

WEATHER

The week of September 5 to 11 was one of contrast across Northern and Central Illinois. TEMPERATURES averaged 10 to 18 degrees above normal early in the period; however, a cool front pushed south to bring some relief on Tuesday, Wednesday and Thursday. By Friday temperatures in Northern and Central Illinois warmed up to 14 to 18 degrees above normal again. While the weather in Northern and Central Illinois was one of contrast Southern Illinois continued to be hot and dry with temperatures averaging near 10 degrees above normal throughout the period. However, on Sunday, a cold front brought relief and near normal temperatures to much of Illinois.

RAINFALL across the northern half of the State has increased in the last week. Northern Illinois received the most with the stations at O'Hare and Moline receiving 2.14 inches and 1.60 inches respectively. Further south the rain became more spotty. Springfield reported only .23 inches while Decatur received no rain at all, and Peoria reported 1.05 inches.

The OUTLOOK for September 12 to 18 calls for temperatures to be below normal across the State early in the period. Later in the week temperatures will warm to near to slightly above normal. Rainfall in Southern Illinois will be less than one-half inch as the cold front pushes south on Monday and then remain dry for the remainder of the period. Scattered showers will occur in the North on Monday, then the remainder of the week will be dry.

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 September 9. Only 0.06 of an inch of precipitation fell last week. In the soil layer from the surface to 4 inches the PPAM was unchanged from 18%; at the 4 to 12-inch depth, the PPAM decreased from 25% to 6%; and at the 12- to 20-inch depth, the PPAM decreased from 22% to 9%. Over the total soil column from the surface to nearly 7 feet, the PPAM decreased from 49% to 44%.

ILLINOIS CROP REPORTING DISTRICT SUMMARY

Crop and Soil Characteristics	NW	NE	W	C	E	WSW	ESE	SW	SE	STATE	5-YR. AVG.
Corn: % dented (as of Sept. 11)	93	93	98	95	98	93	93	92	89	94	88
Soybeans: % turning yellow (as of Sept. 11)	75	55	82	70	68	70	60	38	40	63	52
Days suitable for fieldwork:(week ending Sept. 9)	6.5	6.0	7.0	7.0	7.0	7.0	6.5	7.0	7.0	6.75	
Soil moisture % (as of Sept. 9)											
Short:	65	55	100	100	75	100	100	100	100	91	
Adequate:	35	45	0	0	25	0	0	0	0	9	

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Illinois Weather & Crops
September 12, 1983

CROP CONDITIONS BY REGIONS ON FRIDAY, SEPT. 9

	Corn					Soybeans				
	N	N.Cen.	S.Cen.	S	State	N	N.Cen.	S.Cen.	S	State
Good (%)	10	0	5	0	4	20	5	5	0	6
Fair (%)	85	50	35	10	45	80	70	50	60	64
Poor (%)	5	45	50	85	48	0	25	45	40	30
Failure (%)	0	5	10	5	3	0	0	0	0	0

MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

	June	July	August 2-8	August 9-15	August 16-22	August 23-29	August 30-Sept. 5	Sept. 6-12
Chicago	+1	+4	+6	+3	+10	+6	+9	+7
Peoria	+1	+5	+5	+3	+14	+11	+9	+9
Springfield	+1	+4	+4	+3	+12	+9	+7	+9
St. Louis	+1	+5	+6	+2	+13	+11	+6	+12

Station	Week ending Monday, 6 A.M., Sept. 12								
	Temperatures		Growing degree days 1/		Maxi--Mini--Aver--Current			3-yr. Totals	
	max	min	age	week	av. 2/	1982	1983		
Moline	96	52	73.5	152	2933	2892	3027		
Rockford	92	53	71.1	139	2679	2618	2787		
Chicago O'Hare	95	51	72.7	137	2689	2554	2734		
Quincy	96	54	77.6	174	3105	2884	3094		
Decatur	96	50	75.9	163	2997	2850	2935		
Peoria	97	55	76.5	167	3041	2954	3095		
Watseka 3/	95	48	71.0	134	2680	2642	2771		
Springfield	98	53	78.3	175	3228	3094	3138		
Brownstown 3/	97	55	79.3	183	3146	3004	3076		
St. Louis	98	68	76.1	173	3542	3392	3465		
Dixon Springs 3/	97	64	81.6	196	3474	3393	3358		

- 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.

Precipitation: Week ending Sept. 12

Station	Current	Normal	Accumulations in 1983 since Apr. 1	Departures from normal since Apr. 1
Rockford	1.20	0.84	18.02	- 4.21
Chicago O'Hare	2.14	0.77	26.69	+ 7.34
Watsaka	0.07	0.77	19.35	- 2.96
Peru	0.90	0.77	21.29	+ 0.70
Moline	1.60	0.84	17.38	- 5.18
Peoria	1.05	0.84	21.44	+ 1.04
Mommouth	0.12	0.84	15.12	- 5.90
Quincy	1.52	0.91	15.83	- 4.40
Springfield	0.24	0.70	13.36	- 5.21
Decatur	0.00	0.77	23.59	- 8.81
Urbana	0.00	0.70	26.11	+ 5.38
Belleville	0.00	0.77	14.96	- 4.40
Evansville, IN	0.54	0.65	27.42	+ 7.70

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

PRECIPITATION:
First figure--Current week, 9/6-12
Parentheses--Previous week
M--Missing. T--Trace

