

ILLINOIS

WEATHER & CROPS



ILLINOIS COOPERATIVE CROP REPORTING SERVICE

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CROP HI-LITES

- *** Corn - 92% dough stage, 55% dented, 7% mature
- *** Soybeans - 97% setting pods, 10% turning yellow
- *** Soil Moisture - 98% short, 2% adequate.

There were 6.25 DAYS SUITABLE for FIELDWORK for the week ending Friday, August 26. Many areas of the State reported scattered storms late in the week with isolated areas receiving heavy rainfall. However, the rainfall was generally not considered enough to offset the effect of the continued hot temperatures and dry soils.

Ninety-two percent of the CORN was in the dough stage on Sunday, August 28. In 1982, 94% was in the dough stage while the 5-year average (1978-82) was 92%. Fifty-five percent of the crop was dented, compared to 68% last year and 59% for the average. Seven percent of the corn is mature, compared to 13% last year and 14% for the average. Condition on Friday, August 26, was reported as 4% good, 49% fair, 42% poor, and 5% a failure. On August 29, 1980, the corn condition was 4% excellent, 23% good, 54% fair and 19% poor.

Ninety-seven percent of the SOYBEAN acreage was setting pods on August 28, compared to 94% last year and the 5-year average of 95%. Ten percent of the soybeans were turning yellow, compared to 14% in 1982 and the average of 11%. Condition on August 26 was reported as 18% good, 53% fair and 29% poor. In 1980, the soybean condition on August 29 was 4% excellent, 48% good, 41% fair, and 7% poor. Spider mites continue to be a problem in soybeans in many areas of the State.

The third crop of ALFALFA HAY was 62% cut on August 28, compared to 66% last year and the average of 59%. Condition of alfalfa was reported as 3% good, 51% fair, 42% poor and 4% a failure.

WHEAT condition on Friday, August 26 was reported as 18% fair, 62% poor, and 20% a failure.

SOIL MOISTURE on Friday, August 26, was reported as 98% short and 2% adequate.

WEATHER

TEMPERATURES for the period of August 22 to 28 continued to average well above normal across the State of Illinois. Central and Southern Illinois continued to experience excessive heat with Springfield 12 to 14 degrees above normal on the 26th and 27th, while Quincy was 15 to 16 degrees above normal during the same period. Northern Illinois on the other hand experienced near normal temperatures on the 23rd and 24th. However, temperatures warmed up to 9 to 10 degrees above normal by the weekend.

The week brought some light PRECIPITATION. Rockford reported the heaviest amounts with a weekly total of 1.77 inches. However, most other reporting stations had less than 1 inch. Decatur received .73 of an inch; O'Hare, .34; Moline, .23; and Springfield, .39.

The OUTLOOK for August 29 thru September 4 continues to call for above normal temperatures with a chance of isolated showers.

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 August 26. Precipitation totaled only 0.97 of an inch last week. In the soil layer from the surface to 4 inches the PPAM increased from 18% to 49%; at the 4 to 12-inch depth, the PPAM increased from 8% to 27%; and at the 12 to 20-inch depth, the PPAM increased from 9% to 23%. Over the total soil column from the surface to nearly 7 feet, the PPAM increased from 47% to 52%.

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 August 28)	55	48	60	60	55	50	55	60	55	55	59
Days suitable for fieldwork:(week ending August 26)	6.0	5.5	6.5	6.5	6.0	6.5	7.0	7.0	6.0	6.25	
Soil moisture % of August 26) Short:	100	100	100	100	80	100	100	100	100	98	
Adequate:	0	0	0	0	20	0	0	0	0	2	

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Illinois Weather & Crops
August 29, 1983

CROP CONDITIONS BY REGIONS ON FRIDAY, AUG. 26

	Corn					Soybeans				
	N	N.Cen.	S.Cen.	S	State	N	N.Cen.	S.Cen.	S	State
Good (%)	10	0	5	0	4	30	10	15	20	18
Fair (%)	70	45	25	30	49	70	55	35	40	53
Poor (%)	20	50	60	65	42	0	35	50	40	29
None (%)	0	5	10	5	5	0	0	0	0	0

MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

	June	July	July 26- August 1	August 2- 8	August 9- 15	August 16- 22	August 23- August 29
Chicago	+1	+4	+7	+6	+3	+10	+6
Peoria	+1	+5	+7	+5	+3	+14	+11
Springfield	+1	+4	+5	+4	+3	+12	+9
St. Louis	+1	+5	+6	+6	+2	+13	+11

Station	Week ending Monday, 6 A.M., August 29						
	Temperatures		Growing degree days 1/				
	Maxi- :mum	Mini- :mum	Aver- :age	Current : week	3-yr. :av.2/	Totals : 1982	Totals : 1983
Moline	: 92	: 64	: 78.9	: 191	: 2649	: 2613	: 2696
Rockford	: 89	: 62	: 76.0	: 179	: 2422	: 2382	: 2485
Chicago O'Hare	: 92	: 59	: 75.8	: 174	: 2413	: 2306	: 2421
Quincy	: 101	: 66	: 83.2	: 203	: 2793	: 2580	: 2736
Decatur	: 95	: 62	: 79.5	: 189	: 2701	: 2564	: 2602
Peoria	: 97	: 66	: 81.9	: 200	: 2735	: 2668	: 2747
Watseka 3/	: 90	: 60	: 76.4	: 179	: 2417	: 2376	: 2482
Springfield	: 98	: 62	: 81.4	: 192	: 2914	: 2796	: 2785
Brownstown 3/	: 98	: 64	: 82.0	: 193	: 2861	: 2722	: 2716
St. Louis	: 101	: 71	: 85.5	: 218	: 3199	: 3058	: 3099
Dixon Springs 3/	: 103	: 69	: 85.6	: 207	: 3152	: 3059	: 2952

- 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 August 29

Station	Precipitation		Accumulations		Departures	
	: Current	: Normal	: in 1983	: since	: from normal	: from normal
	: week	: 1/	: Apr.1	: May 31	: Apr.1	: May 31
Rockford	: 1.77	: 0.84	: 16.74	: 7.86	: - 3.81	: - 4.89
Chicago O'Hare	: 0.34	: 0.77	: 24.44	: 10.39	: + 6.63	: - 0.82
Watsaka	: 1.48	: 0.77	: 19.28	: 9.16	: - 1.49	: - 3.21
Peru	: 5.40	: 0.77	: 20.39	: 9.26	: + 1.34	: - 1.99
Moline	: 0.23	: 0.84	: 15.57	: 8.77	: - 5.31	: - 4.01
Peoria	: 0.41	: 0.77	: 20.32	: 6.76	: + 1.58	: - 4.48
Monmouth	: 0.08	: 0.84	: 14.77	: 6.47	: - 4.57	: - 5.67
Quincy	: 0.31	: 0.77	: 13.96	: 3.35	: - 4.49	: - 7.60
Springfield	: 0.45	: 0.70	: 13.12	: 5.03	: - 4.05	: - 4.94
Decatur	: 0.73	: 0.84	: 23.59	: 8.81	: + 3.45	: - 3.23
Urbana	: 1.37	: 0.84	: 26.11	: 15.03	: + 6.82	: + 3.24
Belleville	: 0.50	: 0.77	: 14.96	: 4.63	: - 2.86	: - 5.99
Evansville, IN	: 0.82	: 0.70	: 26.88	: 7.72	: + 8.51	: - 2.25

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

PRECIPITATION:

First figure--Current week, 8/23-29
Parentheses--Previous week
M--Missing. T--Trace

