

ILLINOIS WEATHER & CROPS



ILLINOIS COOPERATIVE CROP REPORTING SERVICE

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CROP HI-LITES

*** Corn -95% silked(tasseled),40% dough,8% dented
*** Soybeans - 90% blooming, 60% setting pods
*** Soil Moisture - 95% short, 5% adequate.

There were 6.5 DAYS SUITABLE for FIELDWORK for the week ending Friday, August 5. There are reports of insect damage across the State, mostly from aphids in the corn and spider mites in soybeans. Livestock gains have been reduced because of the hot weather.

CORN was 95% silked on August 7, compared to 100% last year and the 5-year average (1978-82) of 97%. Forty percent was in the dough stage, compared to 69% last year and the 56% average. Eight percent was dented compared to 22% last year and 15% for the average. Crop condition on Friday, August 5, was reported 15% good, 52% fair, 30% poor, and 3% a failure. A comparison with 1980, when July weather conditions were similar to this year, showed corn condition on August 4 as 4% excellent, 27% good, 49% fair, and 20% poor.

SOYBEAN acreage was 90% blooming by Sunday, August 7, compared to 89% last year and the 5-year average of 85%. Sixty percent were setting pods, compared to 61% last year and 55% for the average. Condition on August 5 was reported 25% good, 63% fair and 12% poor. Soybean condition on August 4, 1980 was 2% excellent, 37% good, 51% fair, and 10% poor.

OATS were 92% harvested August 7, compared to 89% for both last year and the 5-year average.

The third crop of ALFALFA HAY was 29% cut, compared to 15% last year and 22% for the average. Condition was reported 9% good, 50% fair, 40% poor, and 1% a failure.

PASTURE condition on Friday, August 5, was reported 3% good, 28% fair, 59% poor and 10% a failure.

SOIL MOISTURE on Friday, August 5, was reported as 95% short and 5% adequate.

WEATHER

The week of August 1-7 was again above normal TEMPERATURES across the State. The area around Moline warmed to 9-13 degrees above normal on Wednesday and Thursday, while in the St. Louis to Quincy area temperatures ran 7-9 degrees above normal during the week. The rest of the State was from 4-8 degrees above normal on Wednesday and Thursday with the exception of the Springfield-Decatur area where temperatures dropped to near normal on Sunday. The remainder of the week continued 4-8 degrees above normal across Illinois.

PRECIPITATION for the week was very spotty and light. Chicago O'Hare recorded only a trace. Moline and Decatur reported no precipitation. Of the stations reporting, Quincy and Springfield recorded the most precipitation, 0.77 inches and 0.72 inches, respectively.

The OUTLOOK for the week of August 8-14 calls for near normal temperatures. Monday will be the warmest day. The remainder of the week will be cooler and less humid. Unfortunately, the outlook for rainfall is minimal; it will continue to be very dry.

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 5. Precipitation totaled 1.97 inches last week. In the soil layer from the surface to 4 inches the PPAM increased from 0.4% to 31%; at the 4 to 12-inch depth, the PPAM increased from -14% to 29%; and at the 12 to 20-inch depth, the PPAM increased from 4% to 23%. Over the total soil column from the surface to nearly 7 feet, the PPAM increased from 47% to 54%.

ILLINOIS CROP REPORTING DISTRICT SUMMARY

Crop and Soil Characteristics	NW	NE	W	C	E	WSW	ESE	SW	SE	STATE	5-YR. AVG.
Corn: % silked (as of August 7)	97	97	100	99	99	92	90	90	75	95	97
Soybeans: % blooming (as of August 7)	92	95	97	95	95	88	90	80	75	90	85
Alfalfa: % 3rd crop cut (as of August 7)	30	15	25	20	20	25	30	55	50	29	22
Days suitable for fieldwork: (week ending August 5)	7.0	6.5	7.0	6.5	6.0	7.0	6.0	7.0	7.0	6.5	
Soil moisture % (as of August 5)	90	100	100	100	80	100	80	100	100	95	
Adequate	10	-	-	-	20	-	20	-	-	5	

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CROP CONDITIONS BY REGIONS ON FRIDAY, AUG. 5

	Corn					Soybeans				
	N	N.Cen.	S.Cen.	S	State	N	N.Cen.	S.Cen.	S	State
(%)	40	5	5	5	15	40	20	25	25	25
Good (%)	50	55	50	35	52	55	75	60	45	63
Poor (%)	10	35	35	60	30	5	5	15	30	12
Failure (%)	-	5	10	-	3	-	-	-	-	-

MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

	May	June	June 28- July 4	July 5- 11	July 12- 18	July 19- 25	July 26- August 1	August 2 8
Chicago	-6	+1	+3	-3	+8	+8	+7	+6
Peoria	-3	+1	+7	-2	+7	+11	+7	+5
Springfield	-4	+1	+6	-4	+6	+9	+5	+4
St. Louis	-3	+1	+7	-2	+6	+11	+6	+6

Station	Week ending Monday, 6 A.M., August 8							
	Temperatures		Growing degree days 1/					
	Maxi- :mum	Mini- :mum	Aver- :age	Current : week	3-yr. :av.2/	Totals : 1982	Totals : 1983	
Moline	:101	60	80.1	: 189	2186	2191	2134	
Rockford	: 92	63	78.3	: 185	2006	2032	1973	
Chicago O'Hare	: 96	62	77.9	: 184	1976	1933	1885	
Quincy	: 99	65	81.9	: 201	2316	2160	2141	
Decatur	: 93	60	77.7	: 183	2256	2183	2061	
Peoria	: 95	63	79.5	: 189	2269	2257	2162	
Watseka 3/	: 92	57	75.2	: 170	2033	2010	1975	
Springfield	: 96	62	79.6	: 191	2430	2377	2208	
Brownstown 3/	: 96	59	79.6	: 184	2418	2299	2154	
St. Louis	:100	68	83.4	: 206	2661	2581	2463	
Dixon Springs 3/	: 97	62	81.1	: 188	2656	2573	2362	

1/ Totals are accumulated from April 1.
Average of accumulated totals for 1980, 1981 and 1982.
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 8

Station	Precipitation		Accumulations		Departures	
	Current : week	Normal : 1/	in 1983 : Apr.1	since : May 31	from normal : Apr.1	from normal : May 31
Rockford	: 0.03	0.84	14.39	5.51	- 3.64	- 4.72
Chicago O'Hare	: 0.00	0.77	22.57	8.42	+ 7.07	- 0.48
Watseka	: 0.74	0.77	15.85	5.73	- 2.61	- 4.33
Peru	: 0.04	0.77	14.84	3.71	- 1.90	- 5.23
Moline	: 0.00	0.84	14.83	8.03	- 3.53	- 2.23
Peoria	: 0.30	0.77	19.79	6.23	+ 3.36	- 2.70
Monmouth	: 0.84	0.84	14.10	5.80	- 2.72	- 3.82
Quincy	: 0.77	0.77	13.64	3.03	- 2.50	- 5.61
Springfield	: 0.32	0.70	12.54	4.45	- 2.53	- 3.42
Decatur	: 0.00	0.84	22.68	7.90	+ 5.06	- 1.62
Urbana	: 0.36	0.84	22.35	11.27	+ 5.58	+ 2.00
Belleville	: 0.20	0.77	14.46	4.13	- 1.05	- 4.18
Evansville, IN	: M	0.70	M	M	M	M

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

PRECIPITATION:

First figure--Current week, 8/2-8
Parentheses--Previous week
M--Missing. T--Trace

