

ILLINOIS WEATHER & CROPS



ILLINOIS COOPERATIVE CROP REPORTING SERVICE

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

CONTRIBUTORS:

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

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CROP HI-LITES

*** Corn - 65% in dough stage, 18% dented
*** Soybeans - 95% blooming, 72% setting pods
*** Soil Moisture - 97% short, 3% adequate.

There were 6.75 DAYS SUITABLE for FIELDWORK for the week ending Friday, August 12. Reports indicate that spotty rainshowers occurred at midweek in central and northwestern areas of the State. However, most amounts were light. Oat harvest was virtually complete across the State by the weekend.

Virtually all of the CORN has silked with only some scattered fields in the Southeast District left to silk. Sixty-five percent was in the dough stage on August 14 compared to 77% last year and the 5-year average (1978-82) of 71%. The crop was 18% dented. Last year, 33% was dented while the average is 29%. Corn condition on Friday, August 12, was reported to be 14% good, 48% fair, 34% poor, and 4% a failure. In 1980, the corn condition on August 15 was 9% excellent, 22% good, 45% fair and 24% poor.

SOYBEAN acreage was 95% blooming on Sunday, August 14, compared to 93% for both last year and the 5-year average. Seventy-two percent was setting pods, compared to 75% last year and 71% for the average. Condition on August 12 was reported as 18% good, 58% fair and 24% poor. On August 15, 1980, the soybean condition was 9% excellent, 36% good, 48% fair, and 7% poor. Reporters indicate that spider mites continue to be a problem in many areas of the State with many farmers spraying.

The third crop of ALFALFA HAY was 36% cut on August 14. Last year, 33% of the third crop was cut while the 5-year average was 36%. Condition was reported as 8% good, 41% fair, 49% poor, and 2% a failure. Producers are continuing to spray alfalfa fields for potato leafhoppers. Many reporters indicate that there will be a reduced yield from the third cutting because of the hot, dry weather.

PASTURE condition continued to deteriorate and was reported as 1% good, 16% fair, 64% poor and 19% a failure. Many livestock producers are having to feed hay to supplement grazing.

SOIL MOISTURE on Friday, August 12, was reported as 97% short and 3% adequate.

WEATHER

TEMPERATURES for the period of August 8 thru 14 averaged from 1 to 4 degrees above normal throughout the State as a warm period continued for the fifth straight week. Most areas were 1 to 2 degrees above normal with Peoria recording 4 degrees above normal while Rockford recorded normal readings. Maximum readings reached the 90's in all sections of the State during the first and last part of the week, and Cairo tied a record of 101 degrees on the 11th.

PRECIPITATION was very light over the State with many areas receiving no rainfall. The North recorded amounts of less than 0.20 of an inch.

The OUTLOOK for August 15-22 is for temperatures to be above normal and precipitation to be below normal.

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 August 12. Precipitation totaled only 0.27 inches last week. In the soil layer from the surface to 4 inches the PPAM decreased from 31% to 19%; at the 4 to 12-inch depth, the PPAM decreased from 29% to 9%; and at the 12 to 20-inch depth, the PPAM decreased from 23% to 9%. Over the total soil column from the surface to nearly 7 feet, the PPAM decreased from 54% to 49%.

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 14)	20	15	28	22	10	20	15	22	18	18	29
Soybeans: % blooming											
(as of August 14)	100	100	99	98	99	93	95	85	88	95	93
Alfalfa: % 3rd crop cut											
(as of August 14)	35	22	32	35	31	37	40	60	55	36	36
Days suitable for fieldwork: (week ending August 12)	6.5	6.5	7.0	6.5	6.5	7.0	7.0	6.5	7.0	6.75	
Soil moisture %											
Short of August 12)	95	100	100	100	100	95	100	90	100	97	
Adequate	5	0	0	0	0	5	0	10	0	3	

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CROP CONDITIONS BY REGIONS ON FRIDAY, AUG. 12

	Corn					Soybeans				
	N	N.Cen.	S.Cen.	S	State	N	N.Cen.	S.Cen.	S	State
Good (%)	40	0	10	0	14	35	15	10	5	18
Fair (%)	50	55	30	45	48	55	60	60	75	58
Poor (%)	10	40	55	50	34	10	25	30	20	24
Failure (%)	-	5	5	5	4	0	0	0	0	0

MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

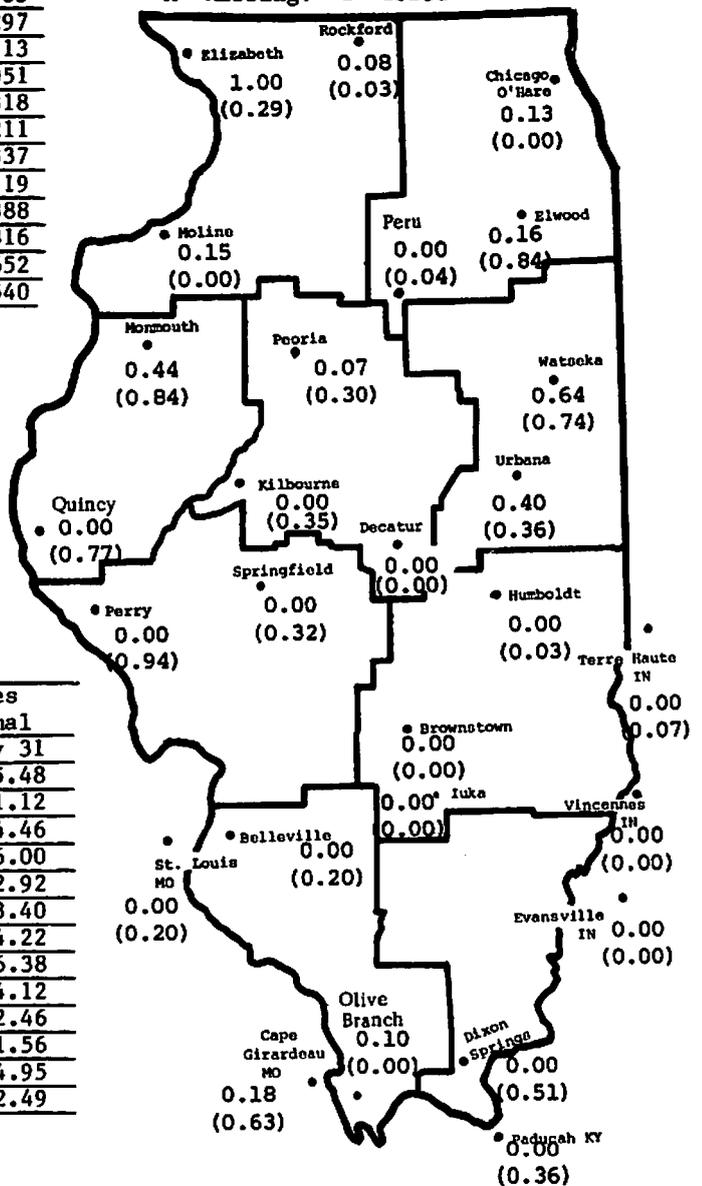
	May	June	June 28- July 4	July 5- 11	July 12- 18	July 19- 25	July 26- August 1	August 2 8	August 9- 15
Chicago	-6	+1	+3	-3	+8	+8	+7	+6	+3
Peoria	-3	+1	+7	-2	+7	+11	+7	+5	+3
Springfield	-4	+1	+6	-4	+6	+9	+5	+4	+3
St. Louis	-3	+1	+7	-2	+6	+11	+6	+6	+2

Station	Week ending Monday, 6 A.M., August 15						
	Maxi- :mum	Mini- :mum	Aver- :age	Current :week	3-yr. :av.2/	Totals :1982	Totals :1983
Moline	: 99	: 54	: 75.0	: 163	: 2346	: 2323	: 2297
Rockford	: 95	: 52	: 71.3	: 140	: 2144	: 2147	: 2113
Chicago O'Hare	: 98	: 59	: 75.5	: 166	: 2151	: 2157	: 2051
Quincy	: 96	: 58	: 77.4	: 177	: 2476	: 2288	: 2318
Decatur	: 94	: 53	: 72.6	: 150	: 2404	: 2301	: 2211
Peoria	: 97	: 59	: 76.9	: 175	: 2424	: 2388	: 2337
Watseka 3/	: 92	: 53	: 71.4	: 144	: 2161	: 2135	: 2119
Springfield	: 95	: 56	: 77.4	: 180	: 2593	: 2512	: 2388
Brownstown 3/	: 96	: 55	: 76.1	: 162	: 2571	: 2442	: 2316
St. Louis	: 99	: 63	: 79.6	: 189	: 2844	: 2730	: 2652
Dixon Springs 3/	: 96	: 56	: 78.6	: 178	: 2819	: 2728	: 2540

Totals are accumulated from April 1.
Average of accumulated totals for 1980, 1981 and 1982.
Two-year average--1980 not available.

PRECIPITATION:

First figure--Current week, 8/9-15
Parentheses--Previous week
M--Missing. T--Trace



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 15

Station	: Current:Normal:		: Accumulations :		: Departures	
	: week	: 1/	: Apr.1	: May 31	: Apr.1	: May 31
Rockford	: 0.08	: 0.84	: 14.47	: 5.59	: - 4.40	: - 5.48
Chicago O'Hare	: 0.13	: 0.77	: 22.60	: 8.55	: + 6.33	: - 1.12
Watsaka	: 0.64	: 0.77	: 16.49	: 6.37	: - 2.74	: - 4.46
Peru	: 0.00	: 0.77	: 14.84	: 3.71	: - 2.67	: - 6.00
Moline	: 0.15	: 0.84	: 14.98	: 8.18	: - 4.22	: - 2.92
Peoria	: 0.07	: 0.77	: 19.86	: 6.30	: + 2.66	: - 3.40
Monmouth	: 0.44	: 0.84	: 14.54	: 6.24	: - 3.12	: - 4.22
Quincy	: 0.00	: 0.77	: 13.64	: 3.03	: - 3.27	: - 6.38
Springfield	: 0.00	: 0.70	: 12.54	: 4.45	: - 3.23	: - 4.12
Decatur	: 0.00	: 0.84	: 22.68	: 7.90	: + 4.22	: - 2.46
Urbana	: 0.40	: 0.84	: 22.75	: 11.67	: + 5.14	: + 1.56
Belleville	: 0.00	: 0.77	: 14.46	: 4.13	: - 1.82	: - 4.95
Evansville, IN	: 0.00	: 0.70	: 25.94	: 6.78	: + 8.27	: - 2.49

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