

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)

Released: JULY 19, 1982, 3 P.M., CDT

VOL.3, NO. 18

CROP HI-LITES

*** Corn - 70% silked (tasseled), 10% dough
*** Soybeans - 60% blooming, 20% setting pods
*** Wheat - 95% combined
*** Soil Moisture - 1% short
73% adequate
26% surplus

CORN condition on Friday, July 16, was reported as 39% excellent, 56% good and 5% fair. Seventy percent of the corn crop was tasseled on Sunday, July 18, compared to 50% last year and the 5-year average (1977-81) of 57%. Ten percent of the crop in the dough stage compared to 5% last year and average of 8%.

SOYBEANS on July 16 were reported as 18% in excellent condition, 68% good and 14% fair. Sixty percent of the soybeans were blooming on July 18 compared to 41% last year and an average of 54%. Twenty percent of the crop was setting pods compared to 8% last year and an average of 16%.

WINTER WHEAT on July 18 was 95% combined compared to 95% last year and an average of 96%.

The OATS crop on July 16 was reported as 4% excellent, 75% good, 17% fair and 4% poor. Ninety percent of the crop was turning yellow on July 18 compared to 98% last year and an average of 93%. Forty-five percent of the crop was ripe compared to 75% last year and an average of 66%. Twenty-five percent of the crop was combined compared to 30% last year and an average of 31%.

ALFALFA HAY was reported as 15% excellent, 82% good and 3% fair on July 16. About 60% of the second crop was cut by July 18 compared to 72% last year and an average of 68%.

GRASSES on July 16 were reported as 39% excellent, good and 5% fair.

SOIL MOISTURE was reported as 1% short, 73% adequate and 26% surplus on July 16.

There were 4.50 DAYS SUITABLE FOR FIELDWORK for the week ending July 16.

WEATHER

TEMPERATURES for the period of July 12 through July 18 averaged from 2 to 4 degrees above normal throughout the State as a warm period continued through the second straight week. Maximum readings again climbed into the 90's.

PRECIPITATION amounts were heavy in the north and central sections and dry in most southern areas. Amounts ranged from 1 to 3 inches in the North and .35 to .75 of an inch in the southern section. Some areas only recorded trace amounts. Scattered thunderstorms gave localized areas nearly 2.50 inches during a 24-hour period.

The OUTLOOK for the period of July 19 thru July 26 is for temperatures and precipitation to be near normal.

SOIL MOISTURE MEASUREMENTS

Soil moisture is measured each week by the Illinois State Water Survey at a site near Bondville (Champaign County). As of July 12, soil moisture in the moderately well-drained Flanagan soil in the total column from the surface to about 7 feet decreased from 82% of Potential Plant Available Moisture (PPAM) to 73%. Between the surface and 4-inch depth, the moisture decreased sharply from 100% of PPAM to 59%. Between 4 and 12 inches, the PPAM decreased from 68% to 48%. From the 12 to 20-inch depth, the PPAM decreased from 93% to 65%. Precipitation during the week prior to the measurement amounted to 0.23 inch.

ILLINOIS CROP REPORTING DISTRICT SUMMARY

Crop and Soil Characteristics	NW	NE	W	C	E	WSW	ESE	SW	SE	STATE	5-YR. AVG.
Corn: % silked (tasseled) (as of July 18)	50	55	70	75	85	75	80	80	70	70	57
Soybeans: % bloomed (as of July 18)	45	60	55	65	75	55	60	55	60	60	54
Days suitable for field-work:(week ending July 16)	3.5	6.0	3.5	4.5	3.5	5.0	4.0	5.5	6.0	4.50	
Soil moisture %:											
of July 16) Short	--	--	--	--	--	--	--	10	--	1	
Adequate	65	80	60	90	45	85	90	50	85	73	
Surplus	35	20	40	10	55	15	10	40	15	26	

Illinois Weather & Crops
July 19, 1982

ILLINOIS WEATHER

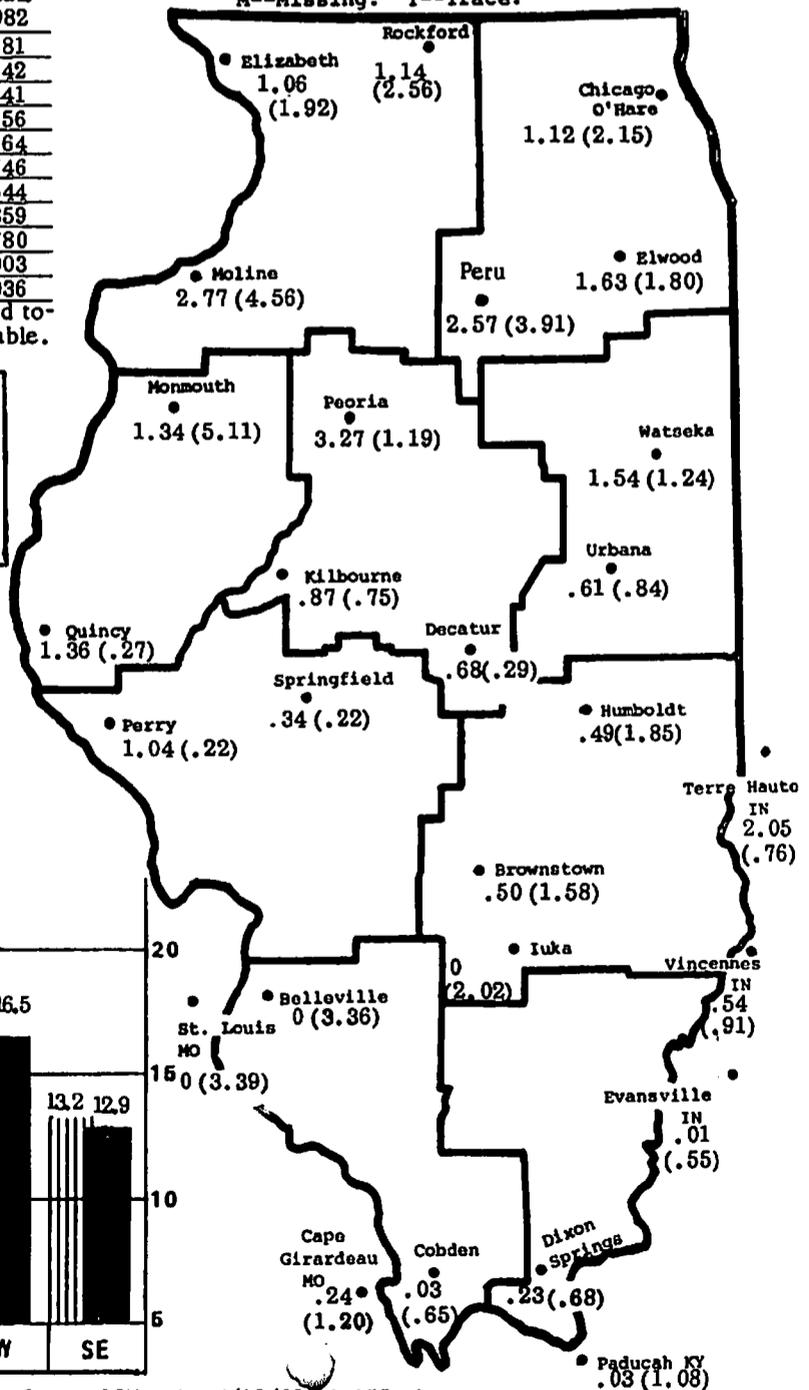
MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

	April	May	June 1-7	June 8-14	June 15-21	June 22-28	June 29-July 5	July 6-12	July 13-19
Chicago	-4	+6	-6	-2	-6	-4	-3	+3	+7
Peoria	-5	+7	-4	-2	-4	-1	0	+2	+4
Springfield	-5	+7	-5	-2	-4	0	0	+2	+4
St. Louis	-4	+6	-5	-2	-4	-2	0	+2	+2

Station	Week ending Monday, 6 A.M., July 19						
	Temperatures			Growing degree days 1/			
	Maxi- mum	Mini- mum	Aver- age	Current year	3-yr. av. 2/	Totals 1981	Totals 1982
Moline	91	65	77.9	192	1706	1744	1681
Rockford	91	62	77.5	187	1514	1589	1542
Chi. O'Hare	93	62	79.6	196	1521	1623	1441
Quincy	88	66	77.9	192	1860	1823	1656
Decatur	92	68	78.7	196	1785	1847	1664
Peoria	92	67	78.4	193	1720	1868	1746
Watsika	90	60	76.2	181	3/	1653	1544
Springfield	95	69	80.8	203	1874	2002	1859
Brownstown	92	64	77.9	190	3/	2065	1780
St. Louis	93	70	81.0	209	2095	2169	2003
Dixon Springs	92	60	77.9	183	3/	2228	2036

1/Totals are accumulated from April 1. 2/Average of accumulated totals for 1979, 1980 and 1981. 3/Previous years' data are not available.

PRECIPITATION:
First figure--Current week, July 13-19
Parentheses--Previous week
M--Missing. T--Trace.



Growing degree days (GDD's) are calculated by subtracting a 50-degree (F) base temperature from the average of the maximum and minimum temperatures for the day. The daily maximum temperature is limited to 86 degrees (F) and daily minimum to 50 degrees (F). Thus, if the mean temperature for the day is 75 degrees, then 25 GDD's will have been accumulated.

ACCUMULATED PRECIPITATION (Inches)

LEGEND: Normal | Actual
April 1-June 30 | April 1-July 19

