

ILLINOIS WEATHER & CROPS



**ILLINOIS
AGRICULTURAL
STATISTICS SERVICE**

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**U. S. DEPARTMENT OF AGRICULTURE
ILLINOIS DEPARTMENT OF AGRICULTURE**

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**NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION**

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CROPS

Wheat harvest is in its final stages and oat harvest is already in full swing. Crop conditions decreased considerably as only minimal amounts of rainfall were received from very scattered rain showers over parts of the State this past week. The heat and dry conditions are affecting the pollination and blooming stages of the corn and soybean crops, respectively. Rainfall is crucial right now as this is a critical time for the field, vegetable, and fruit crops. Besides praying for rain last week, farmers were baling straw and hay, cultivating beans, scouting fields, walking beans, hauling grain and water, giving special care to livestock, doing general chores, and spraying weeds, spider mites, rootworm beetles, and grasshoppers. For the week of July 2-8, there were seven days suitable for fieldwork.

Condition of the **CORN** crop on July 8 was reported as 2% good, 32% fair, 46% poor, and 20% very poor. By July 10, 35% of the acreage was silked (tasseled) compared to 74% last year and the 5-year average (1983-87) of 36%.

By July 10, 54% of the **SOYBEAN** crop was blooming, compared to 75% last year and the average of 41%. Five percent of the crop was setting pods compared to 50% last year and the average of 15%. Condition of the crop by July 8 was 10% good, 61% fair, 22% poor, and 7% very poor.

By July 10, 99% of the **WINTER WHEAT** was harvested, compared to 100% last year and the average of 84%.

OAT condition on July 8 was reported as 13% good, 53% fair, 24% poor, and 10% very poor. By July 10, 90% of the acreage was turning yellow compared to 100% last year and the average of 78%. Sixty-eight percent of the acreage was ripe compared to 82% last year and the average of 42%. Twenty-seven percent of the acreage was harvested compared to 61% last year and the average of 37%.

Condition of the **SORGHUM** crop by July 8 was reported as 3% good, 52% fair, 28% poor, and 17% very poor. Two percent of the sorghum acreage was headed compared to 69% last year.

By July 10, cutting of the second crop of **ALFALFA HAY** was 70% complete, compared to 71% last year and the average of 56%. Condition of the crop on July 8 was reported as 2% good, 42% fair, 38% poor, and 18% very poor.

HAY supplies on July 8 were reported as 32% very short, 50% short, and 18% adequate.

PASTURE condition, as of July 8, was rated as 8% fair, 35% poor, and 57% very poor.

SOIL MOISTURE on July 8 was reported as 100% short.

ILLINOIS DISTRICT SUMMARY

District	Corn %	Soybeans	Days	Soil			
	: silking :(tasseling)	: percent : blooming	: suitable for : fieldwork	moisture percent	Short	Adequate	Surplus
	As of July 10		---	As of July 8	---	---	---
NW	30	35	7.0	100	0	0	0
NE	10	30	7.0	100	0	0	0
W	40	45	7.0	100	0	0	0
C	35	70	7.0	100	0	0	0
E	38?	65	7.0	100	0	0	0
WSW	50	60	7.0	100	0	0	0
ESE	45	60	7.0	100	0	0	0
SW	40	35	7.0	100	0	0	0
SE	35	50	7.0	100	0	0	0
State	35	54	7.0	100	0	0	0
5-Yr. Avg.:	36	41					

PRELIMINARY DISTRICT PRECIPITATION AVGS. AND DEPARTURES FROM NORMAL IN INCHES

	NW	NE	W	C	E	WSW	ESE	SW	SE
June	0.68	0.93	1.58	0.53	0.92	1.26	0.63	0.62	0.68
Departure	-3.71	-3.18	-2.94	-3.52	-3.25	-2.94	-3.63	-3.43	-3.23

JUNE WEATHER SUMMARY

Illinois was hot and very dry during June. Illinois average monthly **TEMPERATURE** was 2.0 degrees above normal as temperatures ranged from 1 to 4 degrees above normal. The warmest portion of the State was again in the northwest section, while the coolest area was in the southeast. The month started with above normal temperatures, as maximum readings climbed into the 90's. Short-lived cool spells occurred during the month and sent minimum temperatures down into the 40's in many sections. One of the coolest periods was in the first half of the month. Maximum readings during the latter half of the month rose above 100 degrees and set several new records.

PRECIPITATION averaged below normal in the State (-3.31 inches below normal). The largest below normal variation was in the Northwest District (-3.71 inches below normal). The least below normal variation was in the West and West Southwest Districts (-2.94 inches below normal). Many areas received less than 0.50 of an inch. The Urbana area (in the East District) reported this to be the driest June and the driest 6-months in history. Many areas reported this June to be one of the top 6 driest on record. Many crops are failing due to the dry weather and the extreme heat. During the 4th week, light rain fell over scattered areas. Nearly all the rivers and streams are extremely low, and small ponds are evaporating.

The **OUTLOOK** from July 15 through August 15 is for temperatures to be above normal and precipitation to be below normal.

The **90-DAY OUTLOOK** from July to September is for temperature to be above normal and precipitation to be near normal.

WEATHER

HIGH PRESSURE BROUGHT OPPRESSIVE HEAT MUCH OF THE PERIOD UNTIL A COOL FRONT BROUGHT SCATTERED THUNDERSTORMS DURING THE WEEKEND. AVERAGE DAILY HIGHS RANGING FROM THE LOWER 90'S IN THE NORTH TO THE UPPER 90'S IN THE SOUTH STRESSED CROPS CONSIDERABLY. THIS WAS 5 TO 12 DEGREES ABOVE NORMAL ACROSS MUCH OF THE STATE. LOWS AVERAGED FROM THE MID-60'S IN THE NORTH TO NEAR 70 IN THE CENTRAL AND SOUTH. THESE READINGS WERE NEAR NORMAL IN THE WEST AND 1 TO 6 DEGREES ABOVE NORMAL IN THE EAST. HIGHEST READINGS ON FRIDAY WERE IN THE UPPER 90'S TO LOWER 100'S.

TOTAL RAINFALL FOR THE PERIOD AVERAGED FROM 1/4 TO 4/10 INCH IN THE EAST-CENTRAL TO 1/4 INCH OR LESS OVER THE REMAINDER OF ILLINOIS. THIS WAS AROUND 3/4 INCH BELOW NORMAL IN THE EAST-CENTRAL AND 8/10 TO 1 INCH BELOW NORMAL ELSEWHERE.

BASE 50 GROWING DEGREE DAYS ACCUMULATED AROUND 185 IN THE NORTH AND WEST-CENTRAL AND AROUND 190 IN THE SOUTH AND EAST-CENTRAL.

SCATTERED THUNDERSTORMS MAY OCCUR IN THE NORTH ON WEDNESDAY AND THURSDAY AND IN THE SOUTH FRIDAY. HIGHS WILL BE IN THE 80'S TO MID-90'S AND LOWS IN THE 60'S TO MID-70'S.

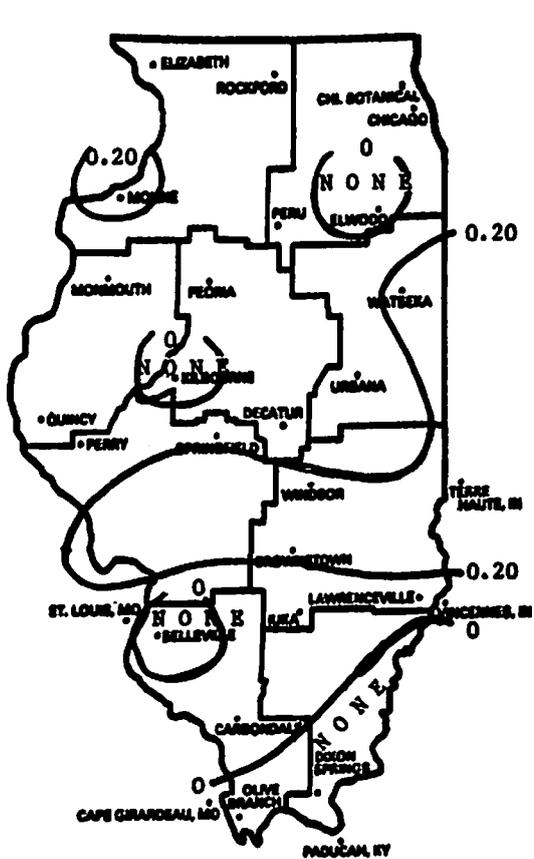
Week ending 8 A.M. Monday, July 11, 1988

Location	Temperatures			Precipitation			Growing Degree Days(50°)		
	:Maxi- : mum	:Mini- : mum	:Deapar- : ture	:Curr- : week	:Since : May 1:	:Departure : since	:Curr- : week	:Since : May 1:	:Departure : since
ELIZABETH	92	60	4	0.12	1.94	-7.84	163	1263	115
ROCKFORD	93	65	6	0.01	1.60	-8.44	179	1374	241
CHICAGO	94	67	8	0.00	2.24	-6.37	190	1332	218
CHI BOTANICAL	92	65	4	0.02	4.03	-4.78	184	1184	-39
ELWOOD	96	66	8	0.00	2.35	-7.19	187	1381	225
WATSEKA	97	64	7	0.35	3.82	-6.57	181	1352	93
PERU	94	66	5	0.02	2.53	-6.69	185	1390	116
MOLINE	94	66	5	0.24	3.72	-6.57	187	1453	193
PEORIA	93	66	5	0.15	2.19	-6.98	186	1458	182
KILBOURNE	93	66	3	0.04	2.66	-7.02	184	1466	90
MONMOUTH	93	64	4	0.15	2.39	-6.99	180	1410	104
QUINCY	91	66	2	0.07	4.06	-5.85	184	1469	105
PERRY	91	54	1	0.12	6.19	-3.14	177	1416	10
SPRINGFIELD	93	67	3	0.00	2.38	-6.00	189	1503	104
DECATUR	95	67	5	0.00	2.48	-7.61	191	1476	80
URBANA	95	70	8	0.02	2.09	-6.99	201	1497	172
WINDSOR	96	66	5	0.05	2.17	-7.67	188	1506	108
TERRE HAUTE	98	63	5	0.25	2.73	-6.91	178	1406	69
ST. LOUIS	95	74	NA	0.05	3.46	NA	214	1690	NA
BELLEVILLE	95	66	3	0.00	2.64	-6.40	186	1495	24
BROWNSTOWN	97	66	5	0.15	2.32	-7.69	186	1448	36
IUKA	97	65	3	0.06	3.06	-6.29	183	1413	-57
LAWRENCEVILLE	97	68	NA	0.14	2.25	NA	195	1466	NA
VINCENNES	98	66	5	0.00	1.96	-7.80	188	1480	60
DIXON SPRINGS	96	67	2	0.00	3.29	-6.53	189	1479	-83
PADUCAH	97	69	4	0.00	3.55	-6.66	197	1564	-10
OLIVE BRANCH	95	66	2	0.00	2.13	-8.06	186	1473	-47
CARBONDALE	95	66	3	0.07	4.00	-5.68	188	1465	-38
C GIRARDEAU	94	71	NA	0.00	4.59	NA	204	1589	NA

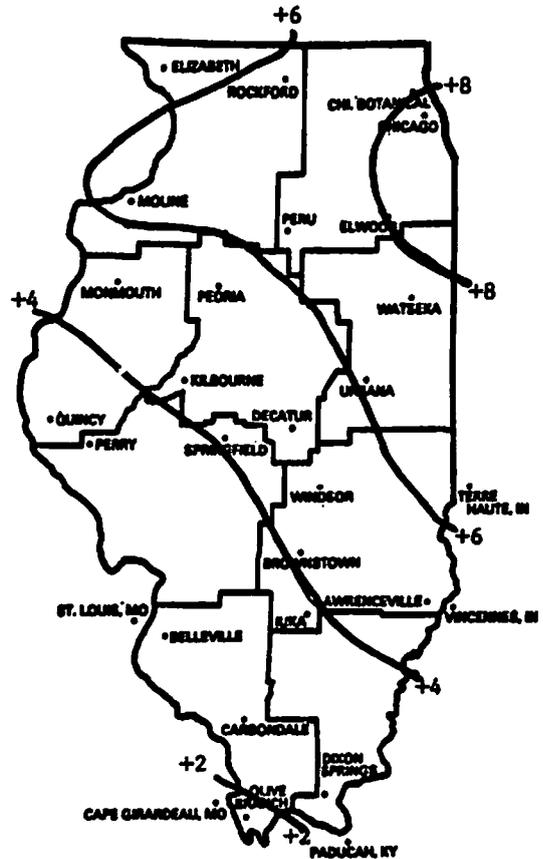
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PRECIPITATION (INCHES)
JULY 6-11, 1988



TEMPERATURE DEPARTURES FROM
AVERAGE (°F) JULY 6-11, 1988

CROP INFORMATION in this report is provided voluntarily by county officials of Extension Service and SCS, and agribusiness managers. Additional WEATHER INFORMATION is provided by the Illinois State Water Survey, IDE&NR, Champaign, Ill.; and National Weather Service Cooperative Observers, NOAA, Rosemont, Ill.