

ILLINOIS WEATHER & CROPS



**ILLINOIS
AGRICULTURAL
STATISTICS SERVICE**

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**U. S. DEPARTMENT OF AGRICULTURE
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**NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION**

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CROPS

Crop development is progressing slightly ahead of the five-year average, but has been slow overall due to the hot, dry conditions that have stressed crops during the critical growing stages. Conditions of the crops were relatively unchanged to slightly better. Slight improvements in corn conditions were reported in the Northeast, West, East, West-Southwest and Southwest Districts, while the Southeast District remained unchanged. Slight improvements in soybean conditions were noted in all districts except the Northwest and Southwest Districts. The continued infestation of spider mites in soybeans is forcing farmers to spray more than once. Last week farmers were also mowing, cutting and baling hay, hauling water, walking beans, scouting fields, cutting clover for seed, maintaining and repairing machinery, and giving special care to heat-stressed livestock. For the week of August 6-12 there was an average of five and three-quarter days suitable for fieldwork.

Condition of the **CORN** crop on August 12 was reported as 3% good, 30% fair, 50% poor, and 17% very poor. By August 14, 85% of the crop was in the dough stage compared to 92% last year and the 5-year average (1983-87) of 77%. Thirty-nine percent of the crop was in the dent stage compared to 65% last year and the average of 36%.

By August 14, 92% of the **SOYBEAN** crop was setting pods, compared to 97% last year and the average of 79%. Five percent of the crop was turning yellow compared to 9% last year and the average of 2%. Condition of the crop by August 12 was 15% good, 53% fair, 29% poor, and 3% very poor.

Condition of the **SORGHUM** crop on August 12 was reported as 40% good, 54% fair, and 6% poor. Eighty-six percent of the sorghum acreage was headed compared to 100% last year. Twenty-nine percent of the crop was coloring compared to 30% last year.

By August 14, cutting of the third crop of **ALFALFA HAY** was 51% complete, compared to 57% last year and the average of 46%. Condition of the crop on August 12 was reported as 11% good, 57% fair, 20% poor, and 12% very poor.

HAY supplies on August 12 were reported as 12% very short, 62% short, 24% adequate, and 2% surplus.

PASTURE condition, as of August 12, was rated as 2% good, 25% fair, 35% poor, and 38% very poor.

SOIL MOISTURE on August 12 was reported as 92% short and 8% adequate.

ILLINOIS DISTRICT SUMMARY

District	Corn		Days		Soil		
	acreage	percent dented	suitable for	fieldwork	Short	Adequate	Surplus
	As of August 14		- - - As of August 12 - - -				
NW	40		6.0		100	0	0
NE	25		4.5		90	10	0
W	45		5.5		100	0	0
C	50		5.5		100	0	0
E	45		5.0		100	0	0
WSW	40		6.5		100	0	0
ESE	30		6.5		90	10	0
SW	45		6.5		85	15	0
SE	40		7.0		60	40	0
State	39		5.75		92	8	0
5-Yr. Avg.	36						

PRELIMINARY DISTRICT PRECIPITATION AVGS. AND DEPARTURES FROM NORMAL IN INCHES

	NW	NE	W	C	E	WSW	ESE	SW	SE	STATE
July	1.70	2.55	0.68	0.62	1.60	2.89	4.16	5.12	5.78	2.79
Departure	-2.15	-0.97	-3.11	-2.98	-2.24	-0.53	0.35	1.57	2.06	-0.89

JULY WEATHER SUMMARY

Illinois recorded another hot and dry month. Illinois average monthly **TEMPERATURE** was 2.8 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 areas were in the east and southeast. The month started with near normal temperatures, as minimum readings fell into the 50's. By the end of the first week, temperatures climbed above normal. Maximum readings rose into the 90's. Many new records were set during the month as readings went above the 100-degree mark. Short-lived, cool spells occurred during the month, but the hot air kept returning.

PRECIPITATION averaged less than one inch below normal in the State (-0.89 of an inch below normal). The northern half of the State received below normal rainfall, while the South recorded above normal amounts. The largest below normal variation was in the Central District (-2.98 inches below normal). The largest above normal variation was in the Southeast District (2.06 inches above normal). Many areas received less than 0.50 of an inch. The Central and East Districts reported this to be the driest 7-month period in history. Many crops are failing due to the dry weather and the extreme heat. Thunderstorms during the latter half of the month gave the South above normal rainfall. Carmi, in the Southeast District, recorded the greatest rainfall amount (10.88 inches). A heavy thunderstorm gave Carmi 3.88 inches of rain on the 18th and 2.64 inches on the 19th. During the 4th week, light to moderate rain fell over scattered areas. Nearly all the rivers and streams are extremely low, and small ponds are evaporating (except in the Southeast).

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

The **90-DAY OUTLOOK** from August to October is for temperature and precipitation to be near normal.

WEATHER

ILLINOIS PRODUCERS SWELTERED THROUGH A HOT AND HUMID WEEK AS DAILY AVERAGE TEMPERATURES RANGED BETWEEN 5 AND 10 DEGREES ABOVE NORMAL. MAXIMUM AIR TEMPERATURES FOR THE WEEK AVERAGED MAINLY IN THE LOW TO MID-90'S WHILE OVERNIGHT LOWS GENERALLY AVERAGED IN THE LOWER 70'S. EXTREMES OF 100 TO 103 DEGREES WERE RECORDED AT STATIONS IN NORTH AND CENTRAL ILLINOIS. MOST PLACES SAW AT LEAST ONE DAY OF TEMPERATURES IN THE UPPER 90'S.

THE HOT AND HUMID WEATHER HELPED SPAWN SCATTERED RAINFALL ACROSS THE STATE. AMOUNTS WERE QUITE VARIABLE RANGING FROM A FEW TENTHS AT SOME PLACES TO SOME LOCATIONS MAINLY IN NORTHERN ILLINOIS GETTING 1 TO 2 INCHES. SOUTHERN AND SOUTHEASTERN ILLINOIS WERE THE DRIEST.

THE FORECAST FOR WEDNESDAY THROUGH FRIDAY OF THIS WEEK CALLS FOR CONTINUED HOT AND HUMID WEATHER WEDNESDAY, THEN TURNING SOMEWHAT COOLER WITH A CHANCE OF SCATTERED THUNDERSTORMS THURSDAY AND FRIDAY. HIGHS NEAR 100 WEDNESDAY, SHOULD BE IN THE UPPER 80'S NORTH TO UPPER 90'S SOUTH THURSDAY AND FRIDAY. LOWS WILL BE IN THE 70'S WEDNESDAY AND 60'S THURSDAY AND FRIDAY.

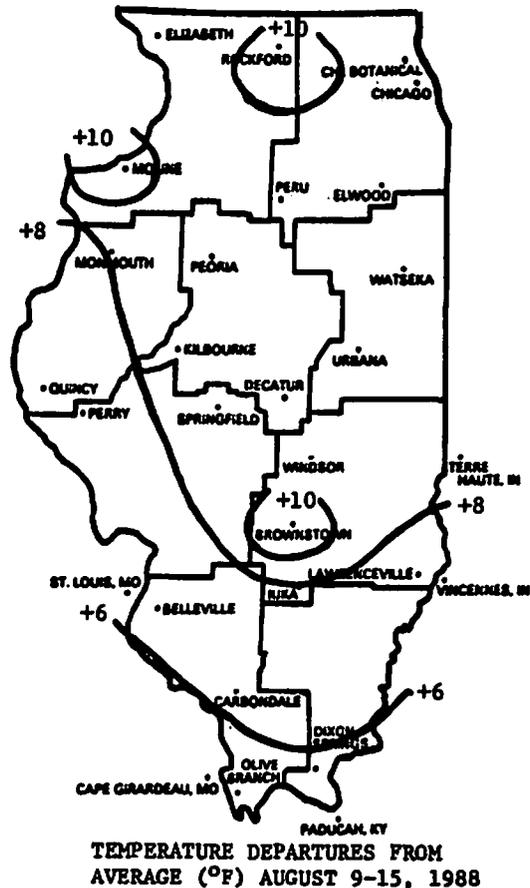
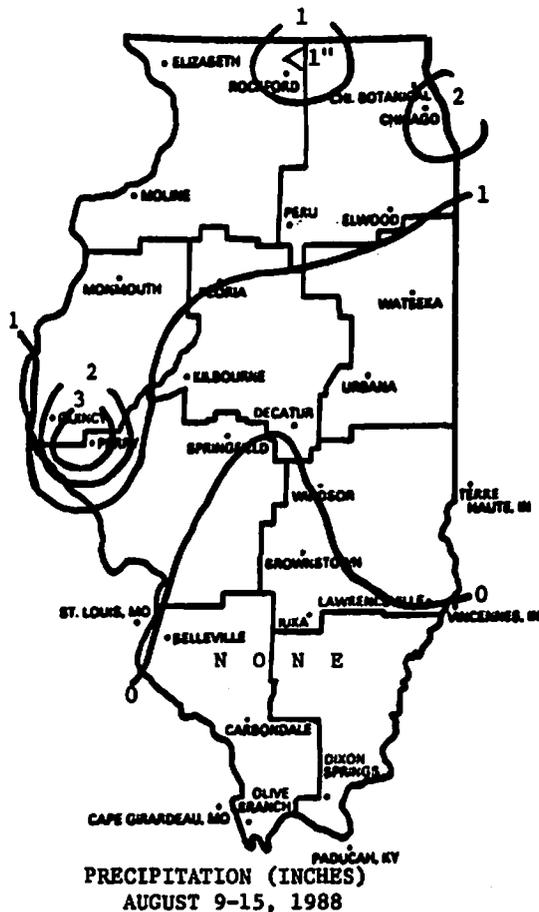
Week ending 8 A.M. Monday, August 15, 1988

Location	Temperatures			Precipitation			Growing Degree Days(50F)		
	Maxi- : mum	Mini- : mum	Deapar- : ture	Curr- : week	Since: : May 1	Departure : since : May 1	Curr- : week	Since : May 1	Departure : since : May 1
ELIZABETH	92	68	9	1.77	6.15	-8.20	195	2137	225
ROCKFORD	91	72	10	0.82	5.28	-9.49	206	2313	386
CHICAGO	90	74	9	2.06	7.40	-5.26	210	2301	386
CHI BOTANICAL	90	72	7	1.95	8.91	-4.43	202	2102	11
ELWOOD	92	72	10	1.01	4.88	-9.11	208	2294	338
WATSEKA	92	72	10	0.42	6.48	-8.58	207	2273	195
PERU	93	72	9	1.25	4.48	-9.01	208	2331	197
MOLINE	94	73	10	1.44	7.14	-8.20	212	2429	311
PEORIA	93	73	9	0.55	2.95	-10.46	210	2434	298
KILBOURNE	93	72	8	0.35	4.19	-9.93	209	2413	166
MONMOUTH	91	71	7	1.85	5.24	-8.63	203	2310	166
QUINCY	94	73	9	0.76	5.25	-9.39	213	2448	182
PERRY	93	71	7	3.16	9.79	-3.95	203	2352	47
SPRINGFIELD	92	74	8	0.01	4.95	-7.29	215	2503	206
DECATUR	94	73	8	0.00	5.04	-9.58	210	2441	153
URBANA	92	71	8	0.46	4.16	-9.62	205	2451	265
WINDSOR	94	71	7	0.05	5.72	-8.53	204	2478	182
TERRE HAUTE	93	71	8	0.41	10.10	-3.96	204	2339	133
ST. LOUIS	96	78	NA	0.18	8.11	NA	228	2770	NA
BELLEVILLE	96	70	7	0.00	5.87	-6.93	201	2458	82
BROWNSTOWN	98	72	10	0.00	4.93	-9.40	208	2397	94
IUKA	94	70	6	0.00	12.53	-0.51	202	2351	-39
LAWRENCEVILLE	94	72	NA	0.01	7.59	NA	207	2424	NA
VINCENNES	94	71	7	0.00	6.57	-8.12	205	2435	121
DIXON SPRINGS	97	71	5	0.00	5.13	-8.82	203	2456	-34
PADUCAH	97	72	7	0.00	6.15	-8.22	209	2577	65
OLIVE BRANCH	94	71	5	0.00	7.14	-7.57	203	2442	-9
CARBONDALE	95	71	6	0.00	7.19	-6.96	205	2443	37
C GIRARDEAU	95	74	NA	0.00	7.68	NA	214	2626	NA

NEWSPAPER TIME VALUE

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