

# ILLINOIS WEATHER & CROPS



ILLINOIS  
AGRICULTURAL  
STATISTICS SERVICE

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U.S. DEPARTMENT OF AGRICULTURE  
ILLINOIS DEPARTMENT OF AGRICULTURE

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## CROPS

No significant changes occurred in crop conditions during the past week, as temperatures continued below normal and rainfall was of short supply and scattered for the second week in a row. The Central, West, and West-Southwest Districts of the State reported soil moisture as all short, with parts of this area not receiving any measurable rainfall during the past three weeks. The corn crop was firing as high up as the ear in drier areas. Farmers continue to scout fields to keep abreast of crop pest populations. A few reports of sudden death syndrome occurring in soybeans were received from the southern half of the State. Farmers were busy cutting alfalfa, scouting fields, mowing weeds, harvesting peaches, and attending seedplot demonstrations. There was an average of six days suitable for fieldwork during the week of August 12-18.

Condition of the CORN crop on August 18, was reported as 11% excellent, 63% good, 21% fair, and 5% poor. Eighty-four percent was in the dough stage by August 20, compared to 87% last year and the 5-year average (1984-88) of 89%. Thirty-four percent of the corn crop was in the dent stage, compared to 53% for both last year and average. Two percent of the corn was mature, compared to 7% for both last year and the average.

By August 20, 97% of the SOYBEAN crop was setting pods, compared to 100% last year and the average of 95%. Six percent of the crop was turning yellow, compared to 11% last year and the average of 8%. Condition of the crop by August 18, was 6% excellent, 67% good, 23% fair, and 4% poor.

By August 20, 92% of the SORGHUM was headed, compared to 89% last year. Thirty-one percent was turning color, compared to 35% last year. Condition of the crop by August 18, was 77% good and 23% fair.

Cutting of the third crop of ALFALFA HAY was 62% complete compared to 65% last year and the average of 60%. Condition of the crop by August 18, was reported as 6% excellent, 44% good, 41% fair, and 9% poor.

PASTURE condition, as of August 18, was reported as 2% excellent, 23% good, 52% fair, 17% poor and 6% very poor.

SOIL MOISTURE, as of August 18, was reported as 72% short, 26% adequate, and 2% surplus.

**ILLINOIS DISTRICT SUMMARY**

District	: Corn Acreage:	: % Dented	: Days Suitable	: For Fieldwork	Soil		
					: Moisture Percent	: Short	: Adequate
	: As of August 20		: As of August 18				
Northwest	: 10		5.0	55	45		0
Northeast	: 15		4.5	15	75		10
West	: 45		7.0	100	0		0
Central	: 35		6.5	100	0		0
East	: 35		5.5	60	30		10
W Southwest	: 55		6.5	100	0		0
E Southeast	: 35		6.0	65	35		0
Southwest	: 65		6.5	85	15		0
Southeast	: 45		6.0	65	35		0
State	: 34		6.0	72	26		2
5-Year Avg.	: 53						

**PRELIMINARY DISTRICT PRECIPITATION AVGS. AND DEPARTURES FROM NORMAL IN INCHES**

	NW	NE	W	C	E	WSW	ESE	SW	SE	STATE
July	4.91	4.91	2.10	2.64	4.40	3.32	4.64	3.14	4.79	3.87
Departure	1.06	1.39	-1.69	-0.96	0.55	-0.10	0.83	-0.41	1.07	0.19

**JULY WEATHER SUMMARY**

Illinois recorded slightly above normal **TEMPERATURES** and precipitation. Illinois average monthly temperature was 1 degree above normal as temperatures ranged from 1 degree above normal to 4 degrees below normal. The coolest portion of the State was the Southeast District, around Dixon Springs. The warmest areas were in the Northwest District. During the first half of the month, temperatures were above normal with highs climbing near the 100 degree mark. Quincy, which is in the West District, recorded one of the highest readings in the State (103 degrees on the 10th). A cooling trend then took place dropping minimum readings into the 40's and 50's. The town of Elizabeth, which is in the Northwest District of the State, recorded one of the lowest minimum temperatures of 49 degrees on the 17th.

**PRECIPITATION** averaged slightly above normal in the State (0.19 of an inch above normal). The western and central portions of the State received below normal rainfall, while the remainder of Illinois recorded above normal rain. The largest below normal variation was in the West District (-1.69 inches below normal). The largest above normal variation was in the Northeast District (1.39 inches above normal). This was the first time in several months that the Northeast received above normal rainfall. Thunderstorms produced locally heavy rain on scattered portions of the State, which is typical for this time of year. On the 1st and 2nd of the month, thunderstorms moved across southern Illinois. Several stations recorded more than 3 inches of rain during a 24-hour period. The town of Chester reported the largest rainfall total of the month with 11.25 inches. More thunderstorms developed during the 2nd half of the month over the State.

Severe storms with hail and strong winds moved across northern Illinois on the 11th. Wind damage was reported and 1 inch hail was recorded. Several unconfirmed tornadoes were also reported.

The **OUTLOOK** for the remainder of August is for temperatures and precipitation to be near normal in much of the State.

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

WEATHER

IN THE WEEK ENDING AUGUST 21ST NORTHERN AND SOUTHERN EXTREMES OF ILLINOIS RECEIVED SUBSTANTIAL RAINFALL BUT THE VAST CENTRAL SECTION STILL CAME UP SHORT. SPOTTY SHOWERS IN THE CENTER OF THE STATE LEFT LESS THAN A QUARTER INCH WHILE HEAVIER AND MORE WIDESPREAD STORMS AT THE NORTH AND SOUTH ENDS DROPPED MORE THAN AN INCH AT NUMEROUS LOCATIONS.

UNTIL WARM AND HUMID AIR BEGAN TO BUILD UP AGAIN ON THE WEEKEND IT WAS RELATIVELY COOL. THE AVERAGE TEMPERATURES FOR THE WEEK TURNED OUT TO BE 2 TO 4 DEGREES BELOW NORMAL IN MOST AREAS. THE HIGHEST READINGS WERE MOSTLY IN THE MID TO UPPER 80'S WHILE LOWEST TEMPERATURES SLIPPED BELOW 50 AT SOME NORTHERN SPOTS AND RANGED FROM LOW TO UPPER 50'S ELSEWHERE.

IN THE WEEK AHEAD WARM AND HUMID WEATHER IS EXPECTED TO BE THE RULE WITH HIGHS RANGING THROUGH THE 80'S TO LOW 90'S AND LOWS IN THE UPPER 60'S TO LOWER 70'S. SCATTERED THUNDERSTORMS MAY PERSIST THROUGH THURSDAY FOLLOWED BY DRIER THOUGH STILL WARM AIR ON FRIDAY. BASE 50 GROWING DEGREE DAYS WILL BE ACCUMULATING NEAR MAXIMUM EFFECTIVE RATES OF 26 TO 30 PER DAY.

Week ending 8 A.M. Monday, August 21, 1989

Location	Temperatures			Precipitation			Growing Degree Days(50F)		
	Maxi- mum	Mini- mum	Depar- ture	Curr. week	Since May 1	Departure since May 1	Curr. week	Since May 1	Departure since May 1
ELIZABETH	77	50	-5	1.26	12.62	-2.44	108	1,905	-127
ROCKFORD	78	57	-2	0.30	15.44	-0.05	130	2,105	54
CHICAGO	78	58	-2	0.79	15.81	2.46	134	2,096	52
CHI BOTANICAL	77	58	-5	0.36	13.20	-0.85	129	1,874	-355
ELWOOD	80	57	-2	0.30	14.59	-0.09	136	2,091	7
WATSEKA	81	57	-2	1.48	12.67	-3.03	137	2,099	-106
PERU	80	58	-3	1.08	10.44	-3.82	139	2,188	-104
MOLINE	80	59	-2	1.87	12.42	-3.65	145	2,217	-35
PEORIA	81	61	0	0.22	6.47	-7.61	155	2,235	-35
KILBOURNE	84	60	-1	0.21	7.64	-7.26	158	2,298	-91
MONMOUTH	83	58	-2	0.18	9.92	-4.82	148	2,119	-186
QUINCY	83	62	-1	0.14	6.01	-9.39	163	2,346	-63
PERRY	81	56	-5	0.78	13.53	-0.90	138	2,183	-267
SPRINGFIELD	82	62	-1	0.00	7.93	-4.94	159	2,277	-163
URBANA	82	63	0	0.06	8.69	-5.79	162	2,270	-53
WINDSOR	82	59	-3	0.19	9.53	-5.34	151	2,296	-144
TERRE HAUTE	83	62	0	0.25	16.50	1.84	162	2,278	-67
ST LOUIS	83	67	NA	0.83	10.72	NA	180	2,628	NA
BELLEVILLE	83	58	-4	0.73	12.48	-0.97	150	2,315	-210
BROWNSTOWN	84	64	0	3.27	13.34	-1.69	170	2,319	-128
IUKA	84	57	-4	0.97	11.47	-2.13	147	2,163	-377
LAWRENCEVILLE	81	58	NA	1.56	16.61	NA	144	2,242	NA
VINCENNES	82	61	-2	0.96	17.47	2.01	155	2,351	-108
DIXON SPRINGS	84	61	-3	2.42	15.48	0.86	163	2,479	-161
PADUCAH	86	65	0	1.02	20.05	5.03	183	2,599	-69
OLIVE BRANCH	83	63	-2	1.41	13.07	-2.22	166	2,423	-159
CARBONDALE	84	62	-2	0.96	10.89	-3.99	166	2,368	-187
C GIRARDEAU	84	66	NA	1.35	18.26	NA	180	2,613	NA

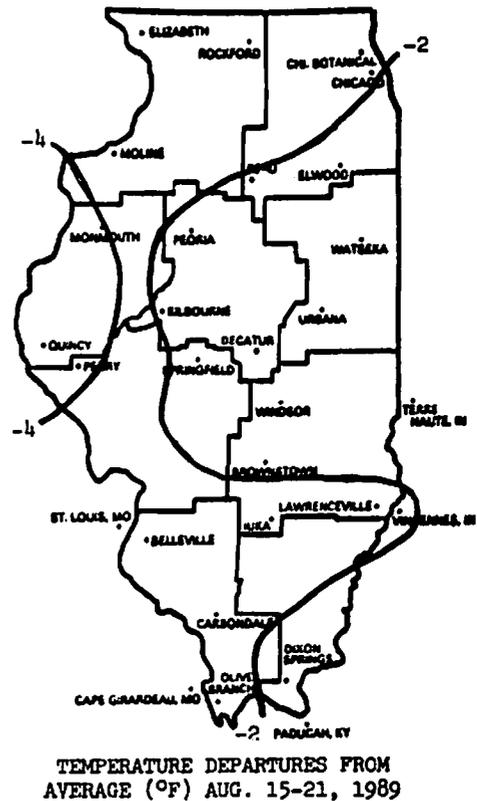
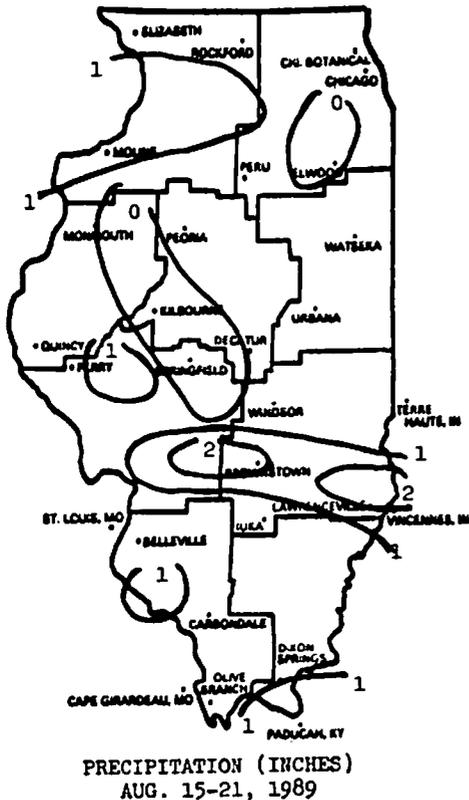
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