

# ILLINOIS WEATHER & CROPS



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## ILLINOIS STATE WATER SURVEY

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### CROPS

Crops made rapid progress toward maturity last week aided late in the week by warm and windy weather. Corn and soybean harvest was underway over much of the State; however, rain this last weekend slowed harvest. For the week of September 14-20, an average of 6.5 days was reported as suitable for fieldwork.

On September 22, 82% of the CORN acreage was mature compared to 78% last year and the 5-year average (1980-84) of 83%. Six percent of the acreage has been harvested for grain, compared to 6% last year and the average of 8%.

On September 22, 85% of the SOYBEAN acreage was turning yellow, compared to 83% last year and the 5-year average (1980-84) of 84%. Sixty-four percent of the acreage was shedding leaves, compared to 60% last year and the average of 61%. Seven percent of acreage has been harvested, compared to 10% for each last year and the average.

On September 22, 4% of the SORGHUM acreage was harvested for grain, compared to 5% last year and the 5-year average (1980-84) of 6%.

On September 22, 3% of the WINTER WHEAT acreage has been seeded, compared to 5% last year and the 5-year average (1980-84) of 4%.

PASTURE condition on September 20 was reported as 6% excellent, 52% good, 37% fair, and 5% poor.

SOIL MOISTURE on September 20 was reported as 37% short and 63% adequate.

### WEATHER

Daily high TEMPERATURES last week were in the high 80's and low 90's in the South. However, the northwestern third of the State had highs in the mid-70's and only the high 50's on the 21st. Daily lows were about 20° lower. These temperatures were between 2° and 7° above normal. The greatest positive differences from normal were found in the West.

The southern half of the State continued to see no PRECIPITATION. This is the second consecutive week with no rain in that area. Rain was rather general in the northern half, with a few tenths falling in central Illinois. More than 1 inch was received in the northeast and north-central part of the State, with more than 1.5 inch in the northwest part.

The OUTLOOK for September 23-29 calls for cooling temperatures and clearing skies through midweek, turning slightly warmer with a chance of showers by the weekend.

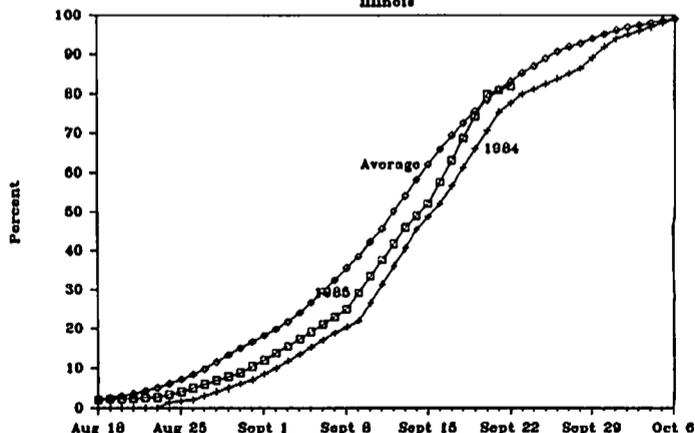
### AUGUST WEATHER SUMMARY

Average monthly TEMPERATURES were 2.6 degrees below normal in the State. Temperatures ranged from 2 to 4° below normal in most sections. The Southeast District was slightly above normal. The West-Southwest District, around Springfield, again recording the largest below normal variation (3.5° below normal). Maximum readings were mainly in the 70's and 80's, with a few days of above 90-degree temperatures occurring in the State. Minimum temperatures were generally in the 60's. However, readings dropped into the 50's in the North. The entire month was mainly below normal, with only a few days rising above the norm. The coolest period occurred in the middle of the month as departures ran as much as 15° below normal. By the end of the month, temperatures climbed above normal in many areas.

PRECIPITATION averaged above normal in the State (1.77 inches). The Northern Districts were only slightly above normal, while the remaining districts were 1.5 to 3.7 inches above normal. The East-Southeast District had the largest above normal variation (3.68 inches above normal). The area around Carbondale, in the Southwest District, had the greatest amount of rain with a monthly total of 10.01 inches. The area near Piper City, in the East District reported the least amount of rain with 1.37 inches. Scattered rainfall occurred during every week, with some areas recording more than 2 inches during a 24-hour period. Rockford recorded the greatest 6-hour rainfall total with 1.62 inches on the 13th.

The EXTENDED OUTLOOK for September 15 to October 15 is for temperatures to be above normal and precipitation to be near normal.

Corn - Acreage Mature  
Illinois



### ILLINOIS CROP REPORTING DISTRICT SUMMARY

	NW	NE	W	C	E	WSW	ESE	SW	SE	STATE	5-YR. AVG.
As of September 22											
Corn: % harvested	4	6	7	8	5	7	6	7	9	6	8
Soybeans: % turning yellow	90	90	93	97	90	88	85	66	55	85	84
Soybeans: % harvested	3	5	7	11	8	7	9	3	3	7	10
Week ending September 20											
Days suitable for fieldwork:	6.5	6.5	5.5	6.5	6.5	6.5	7.0	7.0	7.0	6.5	
Soil Moisture %:											
Short	75	35	25	45	25	15	40	45	30	37	
Adequate	25	65	75	55	75	85	60	55	70	63	
Surplus	0	0	0	0	0	0	0	0	0	0	

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 Midwest Agr. Weather Serv. Ctr. (W. Lafayette, Ind.) and National Weather Service Cooperative Observers.

NEWSPAPER TIME VALUE

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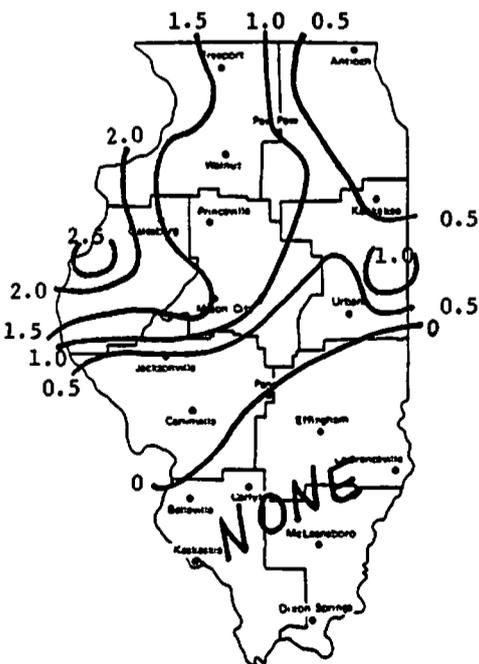
PRELIMINARY DISTRICT PRECIPITATION AVERAGES AND DEPARTURES FROM NORMAL IN INCHES

	NW	NE	W	C	E	WSW	ESE	SW	SE
August	3.37	3.41	4.46	4.94	5.09	5.39	6.67	6.89	5.13
Departure	0.02	0.37	0.99	1.79	2.19	2.20	3.68	3.24	1.50

Week ending Sunday, September 22, 1985

Location	Temperatures			Precipitation			Growing Degree Days (50 deg)			% Plant Avail.	
	Maxi- mum	Mini- mum	Depar- ture	Curr. : week	Since : May 1	Departure : since May 1	Curr. : week	Since : May 1	Departure : since May 1	0-6"	6-20"
Freeport	87	43	6	1.31	17.27	-1.22	125	2568	-57	45	82
Paw Paw	86	48	-1	1.07	14.41	-3.43	112	2461	-532	36	55
Antioch	85	49	2	0.33	16.67	-0.61	122	2462	-403	27	27
Galesburg	87	51	5	1.13	11.74	-8.44	121	2787	-62	0	17
Walnut	90	52	4	0.08	14.36	-3.48	164	2606	-387	0	17
Mason City	90	56	7	0.48	13.67	-2.31	159	3025	-54	45	26
Princeville	88	45	1	1.25	17.93	0.00	113	2582	-317	0	28
Kankakee	90	46	5	1.25	14.50	-3.97	141	2750	-118	27	27
Jacksonville	87	46	4	0.01	18.26	2.28	146	2764	-315	25	61
Pana	86	50	4	0.00	14.12	-4.64	149	2932	-171	0	48
Urbana	88	52	4	0.22	18.58	0.70	136	2887	-80	0	35
Carlinville	86	58	6	0.31	16.01	-1.06	161	3106	-31	25	61
Effingham	85	56	5	0.00	16.87	-0.62	155	3007	-96	11	50
Lawrenceville	86	44	-1	0.00	17.70	-1.42	125	3000	-206	11	50
Belleville	88	53	3	0.00	16.57	0.87	153	3152	-192	0	29
Carlyle	89	54	5	0.00	15.25	-2.28	160	3197	-60	47	77
Cleonsboro	86	57	2	0.00	17.45	-0.46	124	3104	-274	0	50
Kaskaskia	90	49	5	0.00	16.91	-1.43	155	3216	-67	36	56
Dixon Springs	87	52	1	0.00	27.68	9.77	155	3371	-7	58	83

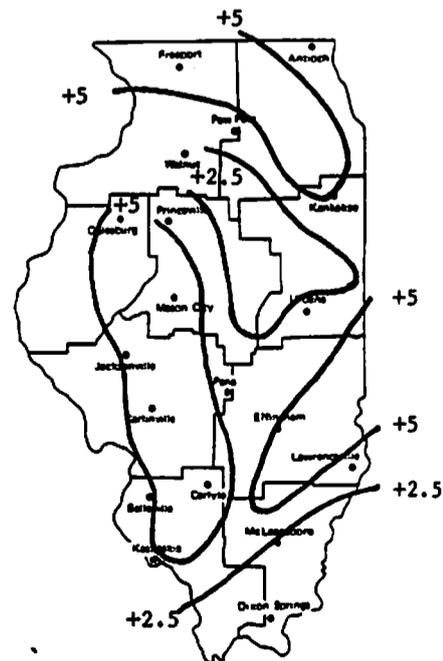
1/ Soil moisture measurements are based on readings from closest station. Readings taken approximately September 13.  
2/ Missing data.



TOTAL PRECIPITATION  
FOR WEEK ENDING  
SEPTEMBER 22

MONTHLY TEMPERATURE DEPARTURES IN DEGREES

	May	June	July	August
Chicago	+1	-5	-2	-3
Peoria	+3	-3	-1	-3
Springfield	+2	-3	-2	-4
St. Louis	+2	-3	0	-2



MEAN TEMPERATURE DEVIATIONS  
FROM NORMAL FOR  
WEEK ENDING SEPTEMBER 22