

ILLINOIS WEATHER & CROPS



ILLINOIS
AGRICULTURAL
STATISTICS SERVICE

P.O. Box 19283, Springfield, IL 62794-9283
Phone: (217)492-4295

U.S. DEPARTMENT OF AGRICULTURE
ILLINOIS DEPARTMENT OF AGRICULTURE

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CROPS

The condition of many crops declined during the week ending July 7 as the result of mostly hot, dry weather. Soil moisture was reported as short over more than two thirds of the State. This has caused much concern as the corn and soybean crops approach a critical time in their plant development. Heat stress was reported over much of the State, causing corn to curl and bean leaves to turn over during the warmest part of the day. Drought conditions are being reported in most of the Northern Districts. Wheat harvesting was progressing rapidly and by the end of the week had almost caught up with the five-year average. High temperatures, along with the dry conditions in the North, have been devastating to pastures, leaving them in mostly fair to poor condition. The Southern Districts are still receiving large amounts of rain, causing damage to crops on some of the low lying fields, and keeping many farmers out of the field. Last week farmers were harvesting wheat and canola, planting double crop soybeans, mowing and baling hay, cultivating soybeans, walking beans, hauling water, repairing machinery and doing farm chores. Fruit is reported to be looking good and cherry picking is in full swing. There was an average of five and three quarters days suitable for fieldwork during the week of July 1 -July 7.

Condition of the **CORN** crop on July 7 was reported as 10% excellent, 59% good, 30% fair and 1% poor. Ten percent of the crop had silked (tassled) by July 9, compared to 32% last year and the 5-year average (1984-88) of 37%.

On July 9, 30% of the **SOYBEAN** crop was blooming, compared to 50% last year and the average of 44%. Four percent of the crop was setting pods compared to 5% last year and the average of 10%. Condition of the crop that had emerged by July 7 was 4% excellent, 69% good, and 27% fair.

By July 9, 86% of the **WINTER WHEAT** acreage had been harvested, compared to 98% last year and the average of 88%.

OAT condition on July 7 was reported as 9% excellent, 73% good, and 18% fair. Seventy-five percent of the crop was turning yellow, compared to 88% last year and the average of 82%. By July 9, 18% of the crop was ripe compared to 63% last year and the average 48%. Five percent of the oat crop had been harvested by July 9, compared to 26% last year and the average of 19%.

Condition of **SORGHUM** on July 7 was reported as 22% excellent, 72% good, and 6% fair.

Cutting of the second crop of **ALFALFA HAY** was 54% complete, compared to 68% last year and the average of 57%. Condition of the crop was reported as 5% excellent, 44% good, 44% fair, and 7% poor.

PASTURE condition, as of July 7, was reported as 13% excellent, 30% good, 37% fair, 16% poor and 4% very poor.

SOIL MOISTURE, as of July 7, was reported as 67% short, 20% adequate, and 13% surplus.

ILLINOIS DISTRICT SUMMARY

District	Soybeans % Blooming	Corn % Silked	Days Suitable For Fieldwork	Soil Moisture Percent		
				Short	Adq.	Surplus
	As of July 9		As of July 7			
Northwest	17	5	7.0	100	0	0
Northeast	17	2	7.0	95	5	0
West	30	15	7.0	100	0	0
Central	40	10	6.5	100	0	0
East	45	10	6.5	95	5	0
W Southwest	30	15	7.0	75	25	0
E Southeast	18	7	5.0	35	45	20
Southwest	30	25	5.0	10	75	15
Southeast	40	25	2.5	0	25	75
State	30	10	5.75	67	20	13
5-Year Avg.	44	37				

PRELIMINARY DISTRICT PRECIPITATION AVGS. AND DEPARTURES FROM NORMAL IN INCHES

	NW	NE	W	C	E	WSW	ESE	SW	SE	STATE
June	2.79	3.90	3.38	1.92	1.52	1.72	3.07	5.28	5.31	3.21
Departure	-1.59	-0.21	-1.14	-2.12	-2.65	-2.48	-1.19	1.24	1.40	-0.97

JUNE WEATHER SUMMARY

Illinois recorded below normal TEMPERATURES and precipitation. Illinois average monthly temperature was 1 degree below normal as temperatures ranged from 1 to 3 degrees below normal. The coolest portion of the State was the West-Southwest District around Springfield, while the warmest areas was again in the extreme North. Slightly below normal temperatures were again recorded during the first half of the month. Minimum temperatures dropped into the 40's in the North and Central portions of the State. Several new minimum readings were recorded during mid-month. Chicago (which is in the Northeast District of the State) recorded one of the lowest minimum temperatures of 44 degrees above zero on the 11th. Warmer air moved into the State and sent readings into the 90's. The last week in June ended with highs in the upper 80's and lower 90's. St. Louis (which is adjacent to the West-Southwest District) again recorded one of the highest maximum temperatures of 95 degrees on the 25th. Slightly cooler air pushed into the Northern half of Illinois by the end of the month.

PRECIPITATION averaged below normal in the State (-0.97 of an inch below normal). The Northern two-thirds of the State were once again the driest. The largest below normal variation was in the East District (-2.65 inches below normal). The largest above normal variation was again in the Southeast District (1.40 inches above normal). The heaviest rain fell during the end of the month. Several stations recorded more than 2 inches of precipitation during a 24-hour period. Paducah (which is adjacent to the southeast District of Illinois), received the largest total amount of precipitation for the month with 9.20 inches.

Severe storms occurred on the 1, 24, 25, and 26th with hail and strong winds. On the 26th, New Lenox (Southwest of Chicago) reported the largest size hail (1.75 inches) at 3:35 P.M.

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

WEATHER

NORTH AND CENTRAL ILLINOIS EXPERIENCED MOSTLY DRY WEATHER DURING THE WEEK WHILE MOISTURE FROM THE REMNANTS OF TROPICAL STORM ALLISON SUPPLIED SCATTERED RAINFALL TO SOUTHEAST AND SOUTHERN ILLINOIS. REPORTED RAINFALL WAS GENERALLY UNDER .50 INCH.

WARM AND RATHER HUMID WEATHER DOMINATED THE WEEK. DAYTIME HIGHS REACHED THE 90'S AFTER WEDNESDAY WITH SOME UPPER 90'S RECORDED OVER THE WEEKEND. OVERNIGHT LOWS AVERAGED MOSTLY IN THE MID AND UPPER 60'S FOR THE WEEK. TEMPERATURES FOR THE WEEK AS A WHOLE AVERAGED WITHIN A FEW DEGREES OF NORMAL ACROSS THE SOUTH TO AS MUCH AS 5 TO 8 DEGREES ABOVE NORMAL IN THE NORTH.

HOT WEATHER AT THE START OF THIS WEEK IS FORECAST TO MODERATE SOME. HIGHS IN THE UPPER 80'S NORTH AND 90'S SOUTH WEDNESDAY ARE FORECAST TO BE IN THE UPPER 70'S TO LOWER 80'S NORTH AND THE 80'S SOUTH BY FRIDAY. THERE WILL BE A CHANCE OF SCATTERED THUNDERSTORMS NORTH WEDNESDAY AND CENTRAL AND SOUTH THURSDAY.

Week ending 8 A.M. Monday, July 10, 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	94	61	5	0.00	4.84	-4.81	168	1073	-53
ROCKFORD	93	67	8	0.00	5.40	-4.49	191	1196	86
CHICAGO	89	66	5	0.10	3.70	-4.79	187	1166	75
CHI BOTANICAL	86	65	1	0.05	4.98	-3.69	178	1021	-176
ELWOOD	91	63	4	0.00	7.99	-1.41	177	1193	60
WATSEKA	89	65	3	0.00	6.65	-3.58	178	1184	-51
PERU	91	67	4	0.00	4.40	-4.82	190	1252	-19
MOLINE	95	67	6	0.00	6.73	-3.40	189	1239	4
PEORIA	92	67	5	0.00	3.54	-5.50	189	1267	16
KILBOURNE	92	66	3	0.00	4.30	-5.25	188	1276	-74
MONMOUTH	92	66	4	0.00	7.36	-1.88	187	1186	-94
QUINCY	95	69	6	0.00	3.66	-6.11	197	1314	-23
PERRY	93	68	4	0.00	7.24	-1.95	192	1248	-132
SPRINGFIELD	91	66	2	0.00	5.07	-3.19	185	1276	-97
URBANA	89	67	3	0.02	6.84	-2.10	187	1283	-16
WINDSOR	88	66	1	0.31	6.10	-3.60	181	1287	-84
TERRE HAUTE	88	69	3	1.36	7.64	-1.73	191	1277	-25
ST LOUIS	92	73	NA	0.00	6.42	NA	209	1516	NA
BELLEVILLE	89	66	0	0.00	9.55	0.62	182	1318	-126
BROWNSTOWN	93	70	5	0.00	7.67	-2.21	198	1315	-71
IUKA	88	64	-1	0.25	9.16	-0.07	173	1242	-203
LAWRENCEVILLE	88	67	NA	0.87	10.02	NA	183	1281	NA
VINCENNES	88	68	1	0.22	11.82	2.21	187	1332	-62
DIXON SPRINGS	85	67	-2	0.18	7.35	-2.35	183	1431	-105
PADUCAH	88	71	1	0.05	14.80	4.72	198	1495	-53
OLIVE BRANCH	85	68	-1	0.20	9.00	-0.92	183	1380	-91
CARBONDALE	88	68	0	0.35	9.11	-0.44	185	1341	-136
C GIRARDEAU	88	72	NA	0.24	13.64	NA	201	1519	NA

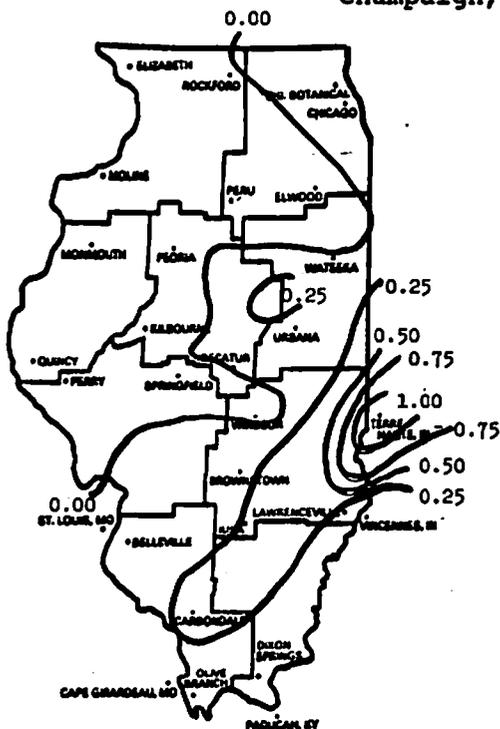
Information above provided by Midwest Agricultural Weather Service Center
Purdue University, West LaFayette, Indiana 47907

NEWSPAPER TIME VALUE

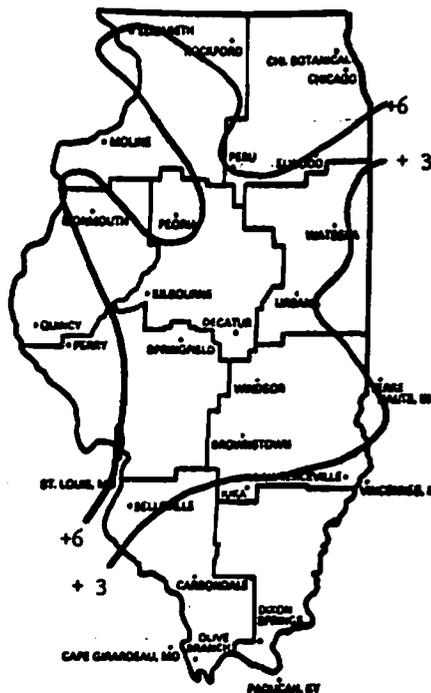
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PRECIPITATION (INCHES)
JULY 4-10, 1989



TEMPERATURE DEPARTURES FROM
AVERAGE (°F) JULY 4-10, 1989

CROP INFORMATION in this report is provided voluntarily by county officials of Extension Service and SCS, and agribusiness managers.