

ILLINOIS WEATHER & CROPS



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ILLINOIS DEPARTMENT OF AGRICULTURE



NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION

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CROPS

Topsoils continued to dry out over most of the State as only widely scattered rainfall occurred with hail damage reported in the southern area of the State. Parts of the Southeast and Southwest Districts reported surplus supplies of moisture. With the dry weather, crop condition declined slightly while crop progress continued at a record pace. Wheat harvest has started at an explosive rate due to dry and hot conditions. Some wheat growers reported below normal test weights. Farmers have also been cultivating corn and soybeans, harvesting hay, applying fertilizer and chemicals, and mowing set-aside acres. Due to the heat most crops are showing signs of stress and some areas are reporting heavy infestations of corn borer. For the week of June 13-19, there was an average of six and one-quarter days reported as suitable for fieldwork. Only the Southeast and Southwest Districts, with four and one-half and five and one-half days respectively, reported less than six days as suitable.

Condition of the **CORN** crop on June 19 was reported to be 10% excellent, 69% good, 17% fair and 4% poor. The average height of all corn that had emerged was 42 inches compared to 39 inches last year and the average of 25 inches. The average height of the most advanced fields was 61 inches compared to 58 inches last year and the average of 39 inches.

Condition of the **SOYBEAN** crop on June 19 was reported to be 5% excellent, 54% good, 36% fair, and 5% poor.

By June 21, 100% of the **WINTER WHEAT** acreage was turning yellow, compared to 93% last year and the 5-year average of 84%. Ninety percent of the acreage was ripe, compared to 63% last year and the average of 33%. Condition of the crop on June 19 was reported as 27% excellent, 63% good, 9% fair, and 1% poor. Fifty-five percent of the wheat acreage was harvested by June 21, with the most rapid progress taking place in the southern area of the State.

OATS condition on June 19 was reported as 5% excellent, 67% good, 21% fair, 5% poor, and 2% very poor. Ninety-seven percent of the acreage was heading on June 21, compared to 96% last year and the average of 82%. Seventy-eight percent of the acreage was filling, compared to 67% last year and the average of 49%. Thirty-five percent of the acreage was turning yellow compared to 17% last year and the average of 11%.

Condition of the **SORGHUM** crop was rated as 1% excellent, 78% good, 20% fair, and 1% poor.

Cutting of the first crop of **ALFALFA HAY** was 99% complete on June 21, compared to 93% last year and the average of 91%. Twenty-three percent of the second crop has been cut, compared to 9% last year and the average of 10%. Condition of the crop on June 19 was reported as 5% excellent, 53% good, 32% fair, and 10% poor.

Cutting of **CLOVER HAY** on June 21 was 90% complete compared to 73% last year and the average of 75%. Condition of the crop on June 19 was reported to be 6% excellent, 58% good, 29% fair, and 7% poor.

PASTURE condition on June 19 was reported to be 2% excellent, 31% good, 45% fair, 17% poor, and 5% very poor.

SOIL MOISTURE on June 19 was reported as 82% short, 15% adequate, and 3% surplus.

ILLINOIS CROP REPORTING DISTRICT SUMMARY

District	Alfalfa hay	Days Suit-	Soil		
	Percent	able for	Moisture Percent		
	1st crop cut	fieldwork	Short	Adequate	Surplus
	Week ending June 21		Week ending June 19		
Northwest	99	7.0	85	15	0
Northeast	95	7.0	100	0	0
West	97	7.0	100	0	0
Central	100	6.5	100	0	0
East	96	6.5	90	10	0
West-Southwest	100	6.5	100	0	0
East-Southeast	100	6.5	70	30	0
Southwest	100	5.5	70	20	10
Southeast	100	4.5	25	65	10
State	99	6.25	82	15	3
5-Yr. Avg.	91				

PRELIMINARY DISTRICT PRECIPITATION AVGS. AND DEPARTURES FROM NORMAL IN INCHES

	NW	NE	W	C	E	WSW	ESE	SW	SE
May	3.60	3.70	1.31	1.55	3.79	1.49	1.64	2.04	2.55
Departure	-0.34	0.01	-2.80	-2.44	-0.18	-2.66	-2.63	-2.26	-1.86

MAY WEATHER SUMMARY

The Statewide average monthly **TEMPERATURE** was 5.9 degrees above normal as temperatures ranged from 9 degrees above normal to 4 degrees below normal. The portion of the State with the largest above normal temperature was in the East District, while the coolest area was in a small area in the Northwest District near Freeport, and in the central and south sections. Geneseo, in the Northwest District, recorded the largest above normal variation (9 degrees above normal). La Harpe, in the West District recorded the largest below normal variation. During the first week, a cool spell in the North sent the minimum temperature readings into the mid-30's. Except for this, much of the State was above normal during most of the month. The warmest period occurred during the last half of the month. Maximum readings climbed into the 90's and several new records were set. Cairo, in the Southwest District, recorded a high of 96 degrees on the 21st.

PRECIPITATION averaged below normal in the State (-1.68 inches below normal). This was the 7th straight month that most of the districts were below normal. The northern districts and the East District were near normal, while the remaining districts were 1 to 2 inches below normal. The largest below normal variation was in the West District (-2.80 inches below normal). The largest above normal variation was in the Northeast District (0.01 of an inch below normal). Illinois again received most of its precipitation during the last half of the month. Park Forest, in the Northeast District, received the most rainfall during the month (5.83 inches). Kilbourne, in the Central District, only received a total of .39 of an inch of rain during May.

WEATHER

TEMPERATURES SOARED TO RECORD HIGHS IN MANY LOCATIONS OVER ILLINOIS FOR MUCH OF LAST WEEK. THE HOTTEST TEMPERATURE REPORTED WAS 100 DEGREES AT SPRINGFIELD ON THE 16TH WITH READINGS IN THE MID AND UPPER 90'S COMMON THROUGHOUT THE STATE. THE JULY-LIKE TEMPERATURES WERE FROM 2 TO 8 DEGREES ABOVE THE NORMALS FOR THE PERIOD. BASE 50 GROWING DEGREE DAY ACCUMULATIONS RANGED FROM 160 TO 206 AND WERE FROM 18 TO 45 UNITS ABOVE NORMAL.

PRECIPITATION WAS NOTABLY ABSENT IN NORTHERN AND CENTRAL AREAS EARLY IN THE WEEK BUT MOST OF THE STATE RECEIVED SOME WELCOME RAINFALL OVER THE PAST WEEKEND. TOTALS WERE HIGHLY VARIABLE STATEWIDE AND RANGED FROM 2.82 INCHES AT OLIVE BRANCH DOWN TO 0.16 INCHES AT MOLINE. THE RAINFALL WAS VERY BENEFICIAL TO MOST CROPS BUT MORE IS NEEDED TO HELP OFFSET A SUBSTANTIAL RAINFALL DEFICIT BEGUN LAST FALL.

THE **EXTENDED OUTLOOK** FOR ILLINOIS INDICATES MORE MODERATE CONDITIONS FOR THE COMING WEEK, AS THE JET STREAM STEERING CURRENTS SHIFT TO A MORE WEST TO EAST PATTERN AND ALLOW COOLER AIR INTO THE MIDWEST AND A GREATER FREQUENCY OF FRONTAL SYSTEMS. HIGH TEMPERATURES SHOULD COOL TO THE 70'S AND 80'S WHILE LOWS SHOULD BE IN THE UPPER 50'S AND 60'S.

THE **OUTLOOK** FOR THE REST OF JUNE IS FOR TEMPERATURES TO BE ABOVE NORMAL AND PRECIPITATION TO BE NEAR NORMAL.

THE **90-DAY OUTLOOK** FROM JUNE THRU AUGUST IS FOR TEMPERATURES TO BE NEAR NORMAL AND PRECIPITATION TO BE ABOVE NORMAL, ESPECIALLY IN THE NORTH.

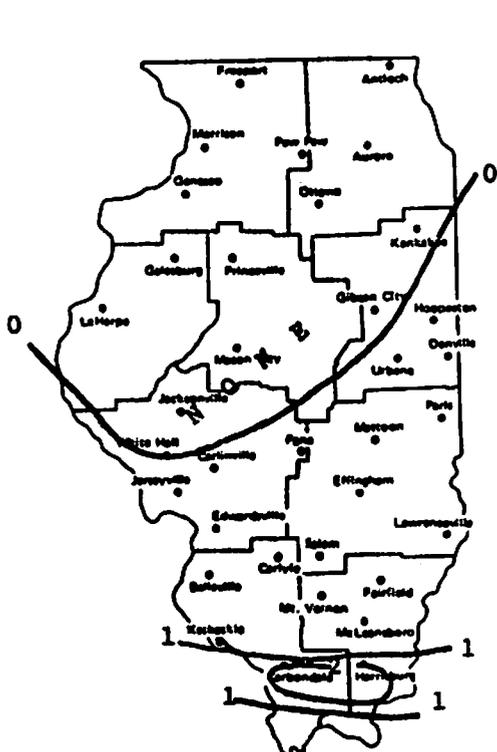
Week ending 8 A.M. Monday, June 22, 1987

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
ELIZABETH	85	61	3	1.29	4.70	-2.46	160	908	166
ROCKFORD	89	65	7	1.10	5.96	-1.16	183	984	266
CHICAGO	91	64	8	0.37	4.13	-2.03	181	997	293
CHI BOTANICAL	86	63	3	0.50	6.37	0.17	171	898	126
ELWOOD	89	64	6	0.29	3.90	-2.95	180	1010	279
WATSEKA	88	65	5	0.84	5.62	-1.79	179	1027	213
PERU	89	65	4	0.69	6.46	-0.35	180	1017	175
MOLINE	90	66	6	0.16	3.74	-3.60	184	1087	280
PEORIA	89	68	6	0.53	4.21	-2.46	190	1091	272
KILBOURNE	94	67	7	1.34	4.21	-3.05	190	1161	256
MONMOUTH	89	65	5	1.18	3.85	-2.90	180	1063	215
QUINCY	90	69	6	0.50	5.62	-1.68	197	1154	273
PERRY	91	66	4	0.60	4.28	-2.60	186	1072	147
SPRINGFIELD	92	68	6	1.09	2.73	-3.36	195	1181	267
DECATUR	90	66	4	2.46	5.48	-1.89	187	1150	227
URBANA	88	67	5	0.55	4.49	-1.96	189	1120	259
WINDSOR	90	69	6	0.43	2.31	-4.78	196	1161	243
TERRE HAUTE	89	67	5	0.90	7.41	0.49	189	1137	268
ST LOUIS	90	71	NA	1.61	4.92	NA	206	1269	NA
BELLEVILLE	89	70	4	1.78	4.27	-2.50	199	1212	230
BROWNSTOWN	93	69	7	0.78	3.03	-4.46	197	1210	275
IUKA	89	68	4	0.81	4.27	-2.65	192	1169	190
LAWRENCEVILLE	88	69	NA	0.36	5.13	NA	198	1191	NA
VINCENNES	87	68	3	0.22	8.98	1.84	193	1169	231
DIXON SPRINGS	89	69	2	0.90	6.22	-1.30	197	1230	161
PADUCAH	91	71	4	0.31	1.73	-5.92	203	1297	226
OLIVE BRANCH	88	70	3	2.82	5.49	-2.22	199	1263	236
CARBONDALE	88	68	2	0.54	6.96	-0.27	192	1213	199
C GIRARDEAU	88	72	NA	0.84	6.29	NA	206	1286	NA

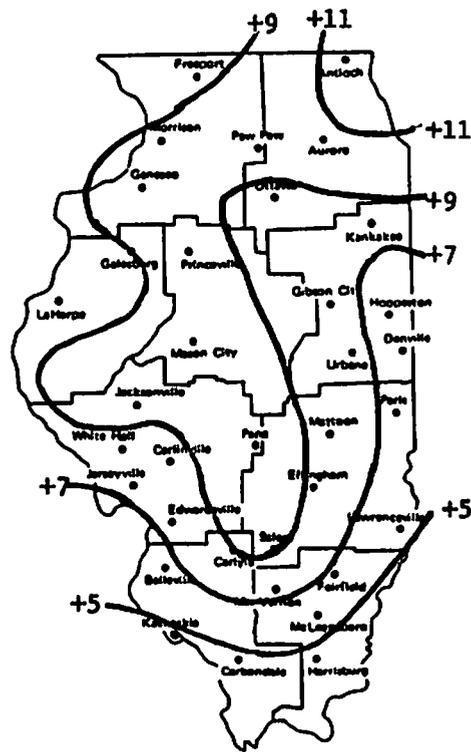
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PRECIPITATION (INCHES)
JUNE 16-22, 1987



TEMPERATURE DEPARTURES FROM
AVERAGE (°F) JUNE 16-22, 1987

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.