

# ILLINOIS

# WEATHER & CROPS



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CROP HI-LITES

- \*\*\* Soybeans - 99% planted
- \*\*\* Wheat - 90% turning yellow, 17% ripe
- \*\*\* Soil Moisture - 38% short, 61% adequate, 1% surplus

There were 6.25 DAYS SUITABLE for FIELDWORK for the week ending Friday, June 24. Hot and humid weather prevailed across the State with only isolated rainfall in central and eastern areas. Reports indicate that crops are showing moisture stress in many areas.

The average height of CORN as of Sunday, June 26, was 21 inches compared to 35 inches last year and the 5-year average (1978-82) of 29 inches. The height in the most advanced fields was 31 inches, compared to 50 inches last year and the average of 44 inches. The condition on Friday, June 24, was reported to be 8% excellent, 73% good, and 19% fair.

SOYBEAN planting was 99% complete, as of June 26, compared to 97% for both last year and the average. Condition as of Friday, June 24, was reported to be 1% excellent, 66% good, 32% fair, and 1% poor. Bad soybean stands were reported in the North due to hard soil surface and in the South due to heavy rains earlier this season.

SORGHUM planting was 90% complete compared to 90% last year and the average of 91%.

WINTER WHEAT condition on Friday, June 24, was 11% excellent, 63% good, 23% fair and 3% poor. Ninety percent of the crop was turning yellow compared to 98% last year and the average of 93%. Wheat was 17% ripe, compared to 65% last year and the average of 59%. Wheat harvested for grain is less than 5% compared to 19% last year and the average of 13%.

The OATS crop was 75% headed on Friday, June 24, compared to 88% for both last year and the average. Oats are 40% filled, compared to 59% last year and the average of 58%. Ten percent of the oats are turning yellow; compared to 18% last year and the average of 14%. Oats condition on June 24 was 4% excellent, 58% good, 34% fair and 4% poor.

ALFALFA condition on June 24 was 11% excellent, 72% good, 16% fair and 1% poor. Cutting of the first crop was 94% complete, compared to 94% last year and the average of 97%. Cutting of the second crop was 5% complete compared to 14% last year and 21% for the average.

CLOVER HAY condition was reported as 9% excellent, 84% good, and 7% fair. Eighty-two percent of the crop has been cut, compared to 79% last year, and 81% for the average.

PASTURE condition was reported as 21% excellent, 59% good, 17% fair, and 3% poor.

SOIL MOISTURE on Friday, June 24, was reported as 38% short, 61% adequate, and 1% surplus.

WEATHER

Last week was a real scorcher over the State of Illinois.

TEMPERATURES for the period of June 20 thru June 26 started out only 2-3 degrees above normal; however, they ended up anywhere from 6-17 degrees above normal after a very hot, dry weekend. Chicago set a new record high of 99 degrees on Sunday. By the weekend, Moline, Peoria, Rockford and Chicago were all 10-17 degrees above normal while Decatur, Quincy and Springfield ended the week with temperatures running 6-8 degrees above normal.

Coupled with the excessive heat was a lack of PRECIPITATION across the State. Of the stations reporting, only St. Louis, with 0.40 inches, recorded rainfall.

The OUTLOOK for June 27 thru July 3 across the southern half of Illinois calls for temperatures to average near to slightly above normal, while in northern Illinois the outlook is for near to slightly below normal temperatures. Precipitation across Illinois should be above normal at least through Thursday with lesser amounts by the weekend.

STATE WATER SURVEY DIVISION

The State Water Survey Division reports that Potential Plant Available Moisture (PPAM) decreased in the moderately well-drained Flanagan soil four miles south of Bondville in Champaign County during the week ending June 24. Precipitation totaled 0.49 of an inch last week. In the soil layer from the surface to 4 inches the PPAM decreased from 37% to 27%; at the 4 to 12-inch depth, the PPAM decreased from 15% to 5%; and at the 12 to 20-inch depth, the PPAM decreased from 31% to 23%. Over the total soil column from the surface to nearly 7 feet, the PPAM decreased from 66% to 62%.

ILLINOIS CROP REPORTING DISTRICT SUMMARY

Crop and Soil Characteristics	NW	NE	W	C	E	WSW	ESE	SW	SE	STATE	5-YR. AVG.
Soybeans: % planted (as of June 26)	100	100	100	100	100	100	99	94	98	99	97
Alfalfa Hay: % cut (as of June 26)	90	90	97	98	93	94	98	100	97	94	97
Days suitable for fieldwork: (week ending June 24)	7.0	6.5	6.5	5.5	6.0	6.5	6.0	6.5	6.0	6.25	
Soil moisture % (as of June 24)											
Short:	50	40	90	5	50	35	15	50	40	38	
Adequate:	50	60	10	90	50	65	85	50	60	61	
Surplus:	0	0	0	5	0	0	0	0	0	1	

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MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

	April	May	May 31- June 6	June 7- 13	June 14- 20	June 21- 27
Chicago	-5	-6	-6	+2	+1	+9
Peoria	-5	-3	-6	+2	+1	+7
Springfield	-6	-4	-7	+1	+1	+6
St. Louis	-6	-3	-5	-1	+1	+5

Station	Week ending Monday, 6 A.M., June 27						
	Temperatures			Growing degree days 1/			
	Maxi- :mum	Mini- :mum	Aver- :age	Current : week	3-yr. :av.2/	Totals : 1982	Totals : 1983
Moline	: 95	: 63	: 78.8	: 182	: 1148	: 1131	: 1010
Rockford	: 95	: 66	: 80.0	: 190	: 1023	: 1033	: 890
Chicago O'Hare	: 99	: 61	: 79.1	: 180	: 989	: 952	: 829
Quincy	: 93	: 66	: 79.6	: 192	: 1214	: 1109	: 973
Decatur	: 96	: 59	: 78.1	: 180	: 1188	: 1109	: 966
Peoria	: 94	: 66	: 79.6	: 192	: 1193	: 1195	: 1033
Watseka 3/	: 96	: 60	: 78.3	: 177	: 1081	: 1054	: 937
Springfield	: 96	: 64	: 80.4	: 189	: 1309	: 1286	: 1074
Brownstown 3/	: 97	: 62	: 80.3	: 192	: 1343	: 1230	: 1020
St. Louis	: 93	: 67	: 80.9	: 199	: 1450	: 1392	: 1217
Dixon Springs 3/	: 92	: 63	: 78.1	: 182	: 1535	: 1456	: 1195

1/ Totals are accumulated from April 1. 2/ Average of accumulated totals for 1980, 1981 and 1982. 3/ Two-year average-1980 not available.

Growing degree days(GDD's) are calculated by subtracting a 50° (F) base temperature from the average of the maximum and minimum temperatures for the day. The daily maximum temperature is limited to 86° (F) and daily minimum to 50° (F). Thus, if the mean temperature for the day is 75°, then 25 GDD's will have been accumulated.

Precipitation: Week ending June 27

Station	Current: Normal: Accumulations since Apr.1				Departure
	: week	: 1/	: 1983	: Normal 1/	
Rockford	: 0.00	: 1.05	: 9.69	: 11.97	: - 2.28
Chicago O'Hare	: 0.14	: 0.98	: 16.51	: 10.48	: + 6.03
Watsaka	: 0.00	: 1.05	: 12.01	: 12.48	: - 0.47
Peru	: 0.00	: 0.91	: 12.79	: 11.44	: + 1.35
Moline	: 0.00	: 0.98	: 8.33	: 12.02	: - 3.69
Peoria	: 0.00	: 0.91	: 15.14	: 11.13	: + 4.01
Monmouth	: 0.00	: 0.98	: 9.31	: 11.10	: - 1.79
Quincy	: 0.00	: 0.84	: 12.17	: 10.87	: + 1.30
Springfield	: 0.01	: 0.84	: 9.63	: 10.50	: - 0.87
Decatur	: 0.00	: 1.05	: 17.24	: 12.18	: + 5.06
Urbana	: 0.00	: 0.91	: 18.61	: 11.08	: + 7.53
Belleville	: 0.35	: 0.91	: 12.98	: 10.83	: + 2.15
Evansville, IN	: 0.00	: 0.84	: 23.29	: 11.78	: +11.51

1/ 30-year average (1951-80).

PRECIPITATION:

First figure-Current week, 6/21-27  
Parentheses--Previous week  
M--Missing. T--Trace

