

ILLINOIS WEATHER & CROPS

 **ILLINOIS
AGRICULTURAL
STATISTICS SERVICE**

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**U. S. DEPARTMENT OF AGRICULTURE
ILLINOIS DEPARTMENT OF AGRICULTURE**



**NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION**

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CROPS

Crop conditions, except for corn, declined this past week due to extreme hot temperatures across the whole State. These hot temperatures have also caused considerable heat-stress to livestock. Farmers are continuing to spray for spider mites that are infesting the already stressed soybean crop. Some reports of soybean pods dropping off were received. Besides trying to stay cool last week, farmers were baling hay, hauling water, scouting fields, chopping silage, mowing, discing wheat stubble and set aside, preparing for harvest, cutting weeds, combining clover seed, picking peaches, caring for livestock, and doing general chores. For the week of August 13-19, there was an average of six and one-half days suitable for fieldwork. All districts except the Northwest, West, and East-Southeast Districts reported some adequate soil moisture.

Condition of the **CORN** crop on August 19 was reported as 3% good, 35% fair, 48% poor, and 14% very poor. By August 21, 88% of the crop was in the dough stage compared to 100% last year and the 5-year average (1983-87) of 89%. Fifty-six percent of the crop was in the dent stage compared to 81% last year and the average of 51%. Eight percent of the crop was mature compared to 20% last year and the average of 6%.

By August 21, 97% of the **SOYBEAN** crop was setting pods, compared to 100% last year and the average of 92%. Twelve percent of the crop was turning yellow compared to 18% last year and the average of 7%. Condition of the crop by August 19 was 12% good, 49% fair, 34% poor, and 5% very poor.

Condition of the **SORGHUM** crop on August 19 was reported as 26% good, 64% fair, and 10% poor. Ninety percent of the sorghum acreage was headed compared to 100% last year. Thirty-six percent of the crop was coloring compared to 50% last year.

By August 21, cutting of the third crop of **ALFALFA HAY** was 67% complete, compared to 65% last year and the average of 58%. Condition of the crop on August 19 was reported as 10% good, 51% fair, 33% poor, and 6% very poor.

HAY supplies on August 19 were reported as 13% very short, 64% short, and 23% adequate.

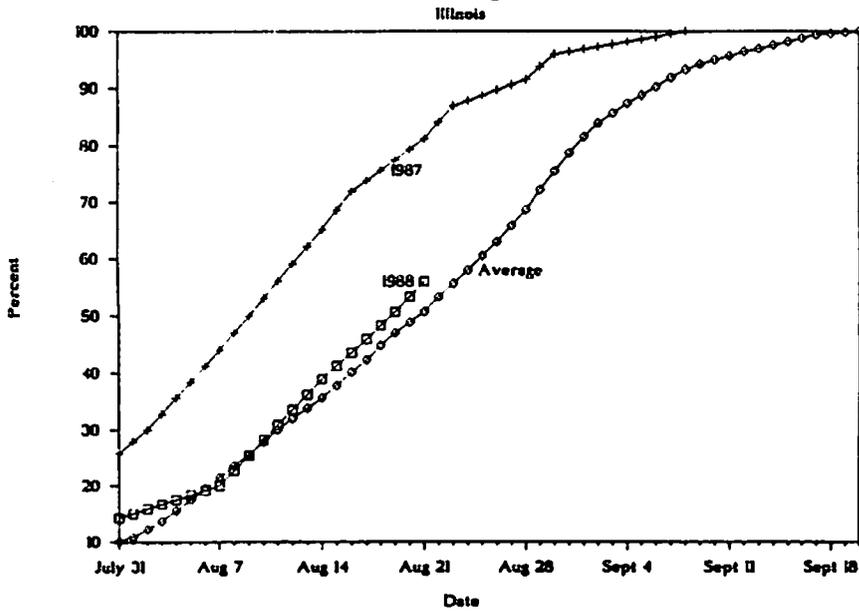
PASTURE condition, as of August 19, was rated as 1% good, 20% fair, 39% poor, and 40% very poor.

SOIL MOISTURE on August 19 was reported as 89% short and 11% adequate.

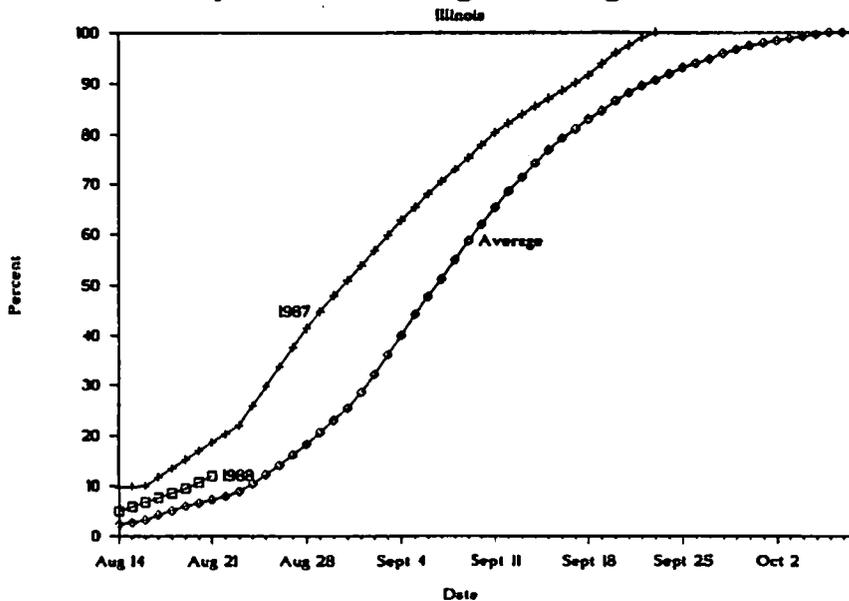
ILLINOIS DISTRICT SUMMARY

| District | Corn | | Days | | Soil | | |
|------------------|-----------------|----------------|-------------------------|-----------|------------------|-----------|----------|
| | acreage | percent dented | suitable for | fieldwork | moisture percent | | |
| | | | | | Short | Adequate | Surplus |
| | As of August 21 | | --- As of August 19 --- | | | | |
| NW | 60 | | 6.5 | | 100 | 0 | 0 |
| NE | 45 | | 6.0 | | 65 | 35 | 0 |
| W | 60 | | 6.5 | | 100 | 0 | 0 |
| C | 65 | | 6.5 | | 95 | 5 | 0 |
| E | 50 | | 6.0 | | 85 | 15 | 0 |
| WSW | 55 | | 6.5 | | 90 | 10 | 0 |
| ESE | 50 | | 7.0 | | 100 | 0 | 0 |
| SW | 65 | | 6.5 | | 90 | 10 | 0 |
| SE | 55 | | 6.5 | | 65 | 35 | 0 |
| State | 56 | | 6.5 | | 89 | 11 | 0 |
| 5-Yr.Avg. | 51 | | | | | | |

Corn - Acreage Dented



Soybeans - Acreage Turning Yellow



WEATHER

ONE OF THE MOST INTENSELY HOT PERIODS OF THE SUMMER BROUGHT TEMPERATURES BETWEEN 98 AND 105 DEGREES ACROSS ILLINOIS, WITH READINGS EXCEEDING THE 100-DEGREE MARK IN ALL SECTORS OF THE STATE. AVERAGE TEMPERATURES FOR THE WEEK RANGED MOSTLY BETWEEN 6 AND 10 DEGREES ABOVE NORMAL DESPITE THE COOLER AIR THAT ARRIVED AT THE END OF THE WEEK. THE SEASONABLE AIR MASS THAT SETTLED IN FOR THE WEEKEND BROUGHT MINIMUM TEMPERATURES BACK TO THE RANGE OF MID-50'S NORTHWEST TO UPPER 60'S EXTREME SOUTH. HOWEVER, RELIEF TO DRY SOILS WAS NOT AS GENERAL AS THE TEMPERATURE RELIEF. PRECIPITATION TOTALS FOR THE WEEK WERE MOSTLY LESS THAN A HALF INCH WITH A FEW WIDELY SCATTERED EXCEPTIONS OF AN INCH.

FORTUNATELY, BOTH TEMPERATURES AND PRECIPITATION ARE EXPECTED TO REMAIN CLOSER TO NORMAL IN THE WEEK AHEAD. ANOTHER FRONTAL SYSTEM MOVING IN FROM THE WEST WILL DROP RAINS ACROSS THE STATE TUESDAY AND WEDNESDAY BEFORE USHERING IN A FRESH AIR MASS TO KEEP TEMPERATURES RESTRAINED. HIGHS WEDNESDAY THROUGH FRIDAY WILL BE MOSTLY IN THE LOW TO MID-80'S. LOWS WILL SLIP BACK TO THE RANGE OF UPPER 50'S NORTH TO MID-60'S SOUTH BY THE END OF THE WEEK.

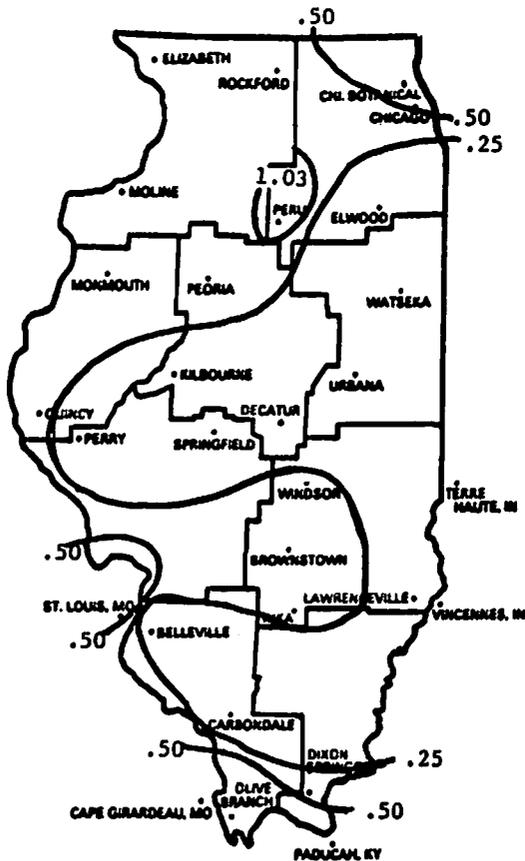
Week ending 8 A.M. Monday, August 22, 1988

| 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 1 |
| ELIZABETH | 91 | 65 | 8 | 0.40 | 6.55 | -8.63 | 177 | 2314 | 262 |
| ROCKFORD | 91 | 67 | 8 | 0.41 | 5.69 | -9.92 | 183 | 2496 | 425 |
| CHICAGO | 87 | 68 | 6 | 0.32 | 7.72 | -5.75 | 184 | 2485 | 420 |
| CHI BOTANICAL | 86 | 67 | 3 | 0.73 | 9.64 | -4.53 | 177 | 2280 | 27 |
| ELWOOD | 92 | 69 | 10 | 0.01 | 4.89 | -9.90 | 194 | 2489 | 384 |
| WATSEKA | 95 | 68 | 10 | 0.24 | 6.72 | -9.08 | 190 | 2463 | 236 |
| PERU | 92 | 69 | 8 | 1.03 | 5.51 | -8.73 | 190 | 2522 | 230 |
| MOLINE | 93 | 70 | 9 | 0.21 | 7.35 | -8.84 | 195 | 2624 | 350 |
| PEORIA | 94 | 70 | 10 | 0.28 | 3.23 | -10.96 | 198 | 2633 | 340 |
| KILBOURNE | 94 | 70 | 8 | 0.00 | 5.33 | -9.70 | 201 | 2608 | 196 |
| MONMOUTH | 92 | 69 | 8 | 0.31 | 5.55 | -9.17 | 193 | 2503 | 201 |
| QUINCY | 95 | 71 | 9 | 0.40 | 5.65 | -9.88 | 204 | 2652 | 220 |
| PERRY | 94 | 69 | 7 | 0.21 | 10.51 | -4.04 | 194 | 2544 | 70 |
| SPRINGFIELD | 94 | 71 | 9 | 0.18 | 5.13 | -7.84 | 203 | 2706 | 243 |
| DECATUR | 94 | 69 | 7 | 0.18 | 5.22 | -10.24 | 194 | 2635 | 178 |
| URBANA | 93 | 69 | 8 | 0.26 | 4.42 | -10.18 | 195 | 2646 | 301 |
| WINDSOR | 95 | 70 | 8 | 0.25 | 5.97 | -9.00 | 201 | 2679 | 215 |
| TERRE HAUTE | 92 | 68 | 7 | 0.07 | 10.17 | -4.59 | 193 | 2532 | 163 |
| ST. LOUIS | 97 | 76 | NA | 0.68 | 8.79 | NA | 223 | 2993 | NA |
| BELLEVILLE | 96 | 72 | 9 | 0.00 | 5.87 | -7.69 | 209 | 2668 | 117 |
| BROWNSTOWN | 97 | 69 | 9 | 0.31 | 5.24 | -9.91 | 199 | 2596 | 125 |
| IUKA | 95 | 68 | 6 | 0.44 | 12.97 | -0.72 | 194 | 2545 | -20 |
| LAWRENCEVILLE | 94 | 69 | NA | 0.05 | 7.64 | NA | 198 | 2622 | NA |
| VINCENNES | 93 | 69 | 7 | 0.10 | 6.67 | -8.91 | 197 | 2633 | 150 |
| DIXON SPRINGS | 95 | 71 | 6 | 0.44 | 5.57 | -9.16 | 203 | 2659 | -5 |
| PADUCAH | 98 | 72 | 8 | 0.68 | 6.83 | -8.30 | 206 | 2783 | 90 |
| OLIVE BRANCH | 93 | 70 | 5 | 0.55 | 7.69 | -7.85 | 199 | 2641 | 11 |
| CARBONDALE | 95 | 69 | 6 | 0.09 | 7.28 | -7.72 | 198 | 2641 | 61 |
| C GIRARDEAU | 96 | 73 | NA | 0.55 | 8.23 | NA | 208 | 2834 | NA |

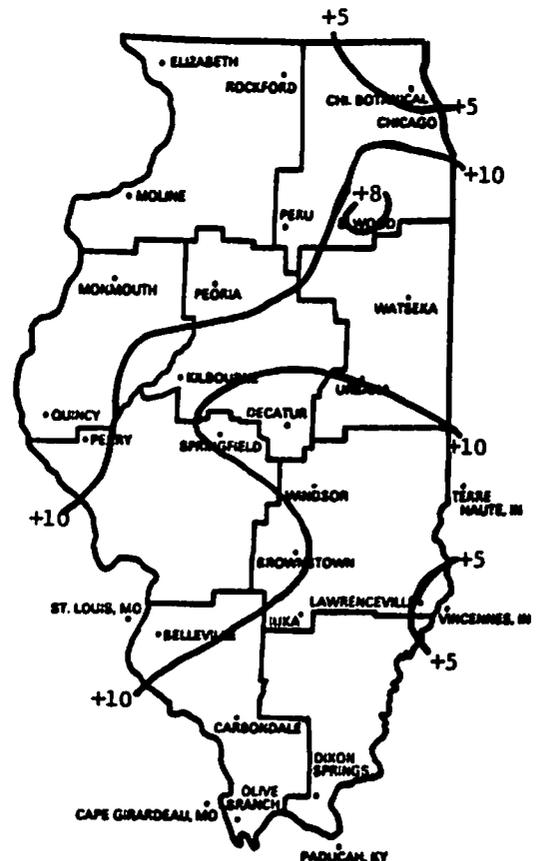
NEWSPAPER TIME VALUE

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PRECIPITATION (INCHES)
AUGUST 16-22, 1988



TEMPERATURE DEPARTURES FROM
AVERAGE (°F) AUGUST 16-22, 1988

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.