

WEEKLY WEATHER AND CROP BULLETIN

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration,
National Weather Service

U.S. DEPARTMENT OF AGRICULTURE
Statistical Reporting Service
and World Agricultural Outlook Board

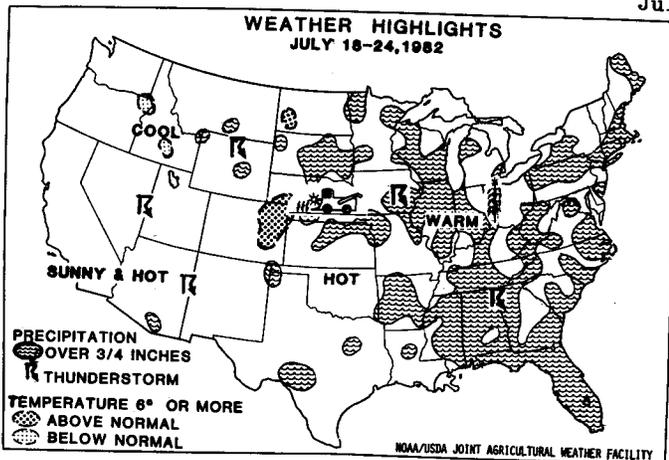
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WASHINGTON, D.C.

July 27, 1982

National Weather Summary

July 18-24



HIGHLIGHTS: Moderate temperatures and light to moderate precipitation, accumulating over several days, in most of the Corn Belt benefited corn which is in reproductive stage. Heavier showers in southeastern Iowa and adjacent sections of Illinois fell on ground that was already too wet. Warm, dry weather over much of the central and southern Plains allowed the winter wheat harvest to progress. Warm weather in spring wheat areas of the northern Plains caused rapid development and pushed the late crop closer to normal.

SUNDAY... Showers and thunderstorms covered much of the area east of the Mississippi River, and some storms extended through southern Iowa and into North Dakota. The heaviest rain fell in southeastern Iowa and adjacent sections of Illinois. A few thundershowers reached from central Kansas to central Arizona. Temperatures in the northern Plains were quite cool in the early morning but, later, warmed into the eighties. Temperatures in the Corn Belt generally remained in the high eighties, but a few areas in the southern portion reported temperatures in the nineties.

MONDAY... The area of showers and thunderstorms moved to a line from Ohio to Alabama, southern Louisiana, eastward to the coast, and through the Northeast. A few light showers lingered through southern Iowa, central Illinois, and the upper Mississippi Valley. Widely scattered showers fell in New Mexico and the central Plains. Temperatures remained in the eighties over most of the Corn Belt but began to climb higher in the central Plains.

TUESDAY... A cold front brought showers and thunderstorms to the New England coast and through southern New York. Thunderstorms were more scattered southward along the east coast and along the eastern Gulf coast. Some heavy rain fell in the Mississippi Delta. Severe weather and some heavy showers covered the area from northern Missouri and eastern Nebraska through eastern North Dakota and Minnesota. A few showers continued in the Rockies, the northern High Plains, and northwestern Washington.

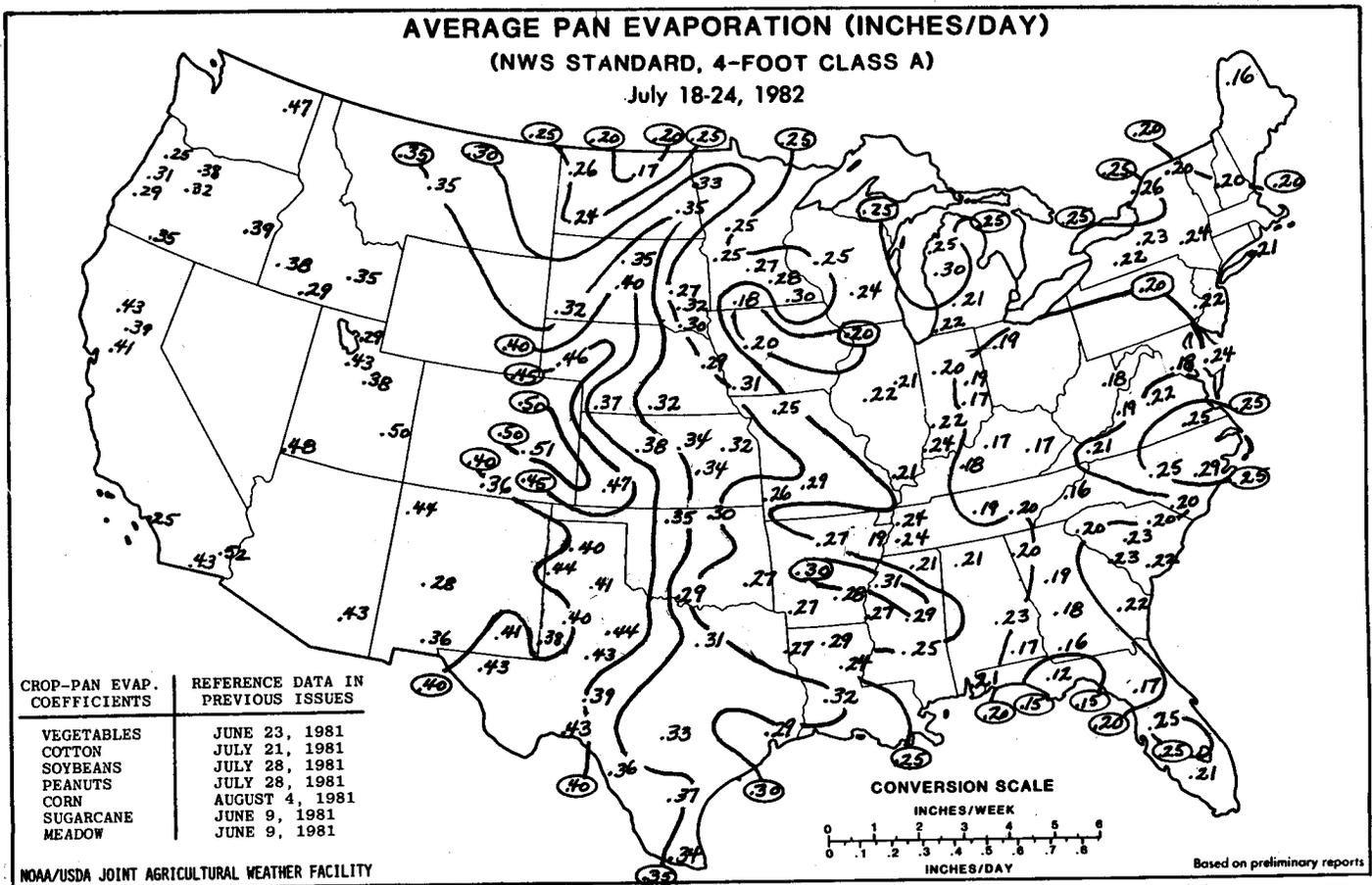
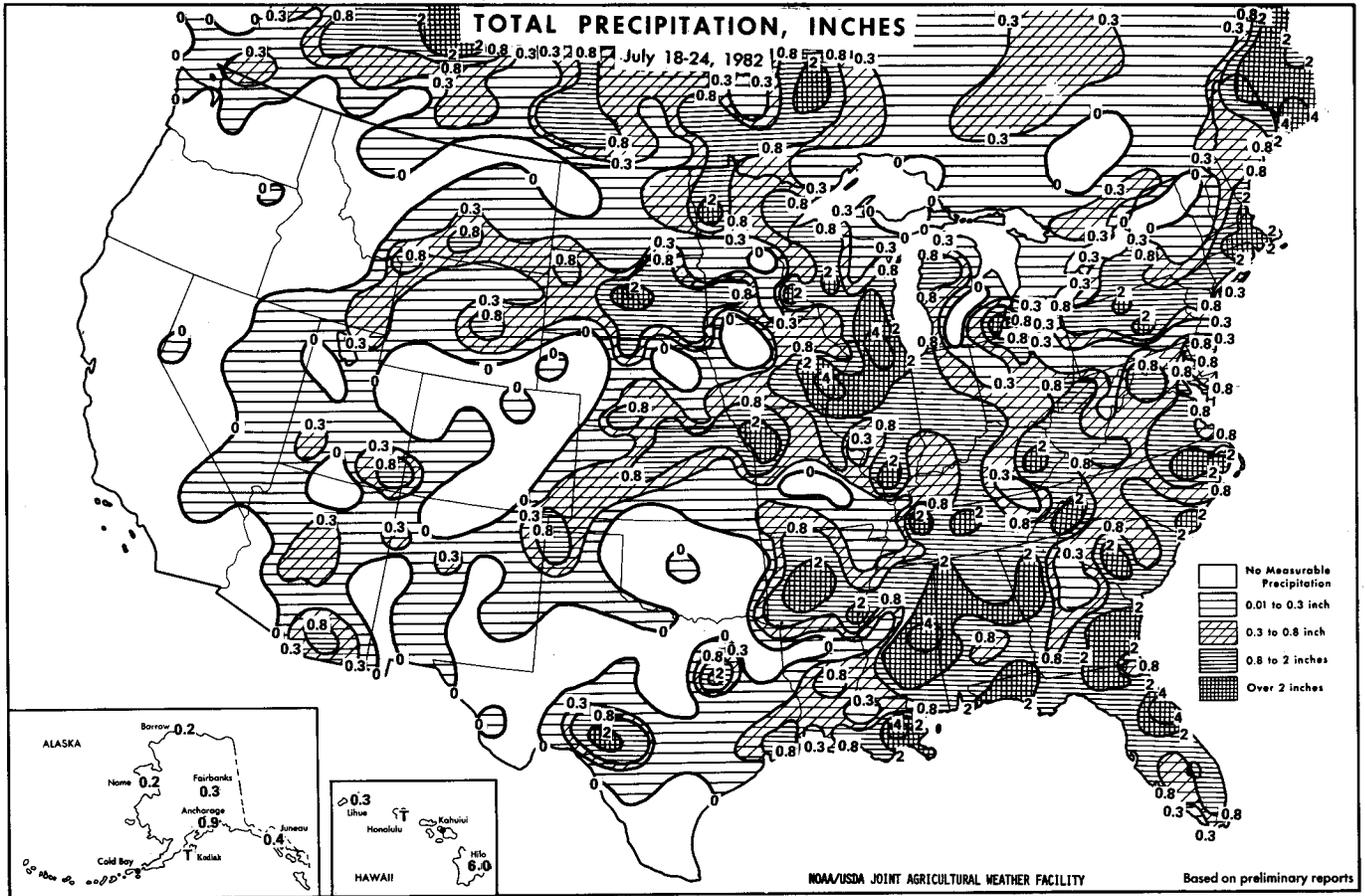
WEDNESDAY... Low pressure in the Atlantic kept showers active along the New England coast, and a cold front from the Southeast into Illinois triggered showers and thunderstorms from Florida to Wisconsin. Heavy rain, high winds, and hail were common from central Illinois into southeastern Wisconsin. Scattered thunderstorms with isolated heavy rain extended from Illinois to northern Kansas. A few showers fell in southeastern Texas and in Arizona and New Mexico. The northern Rockies had cool morning temperatures, but the afternoon highs reached 100° in northern Wyoming. Kansas also reported 100° readings, but most of the Corn Belt remained in the high eighties.

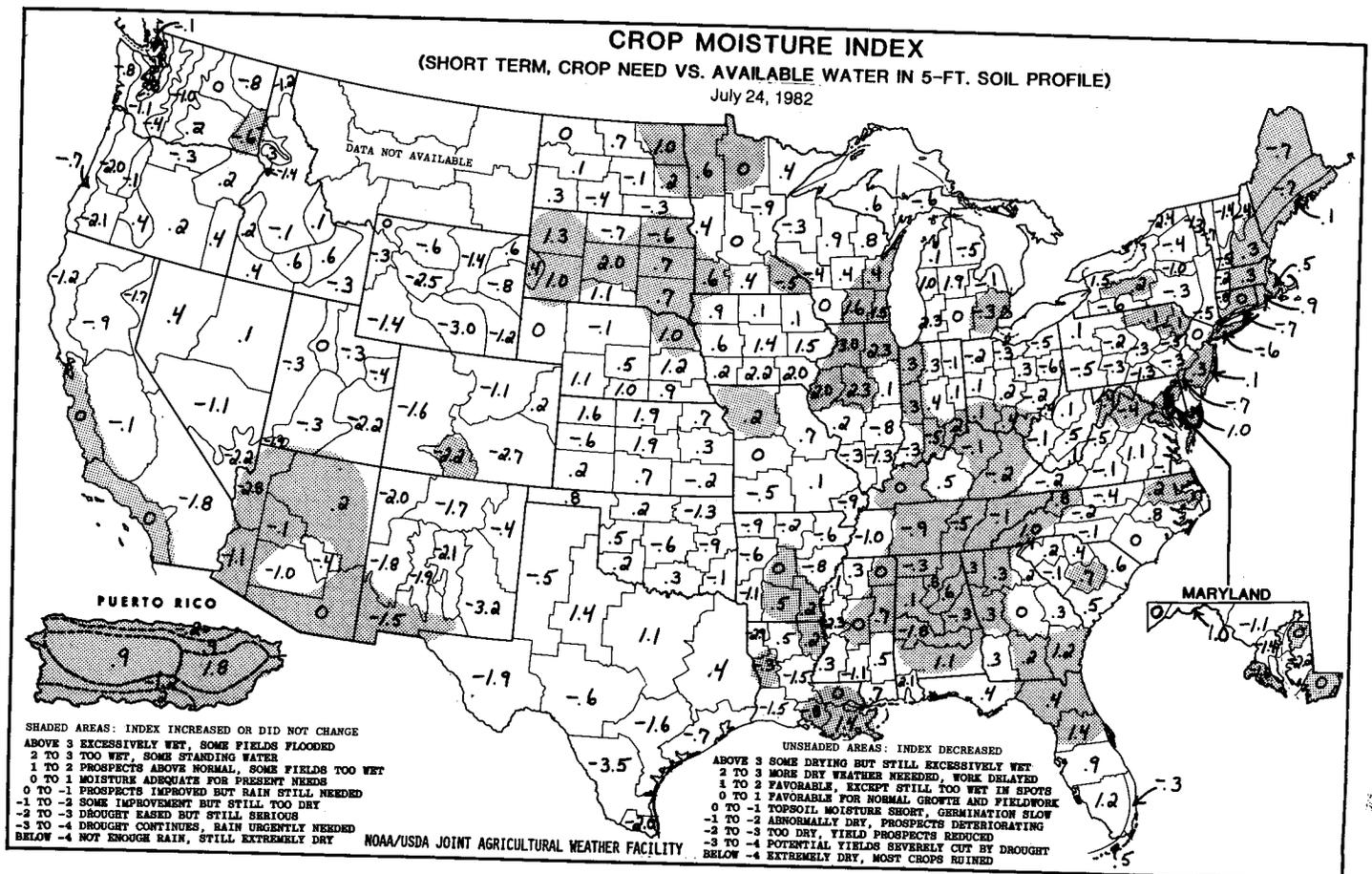
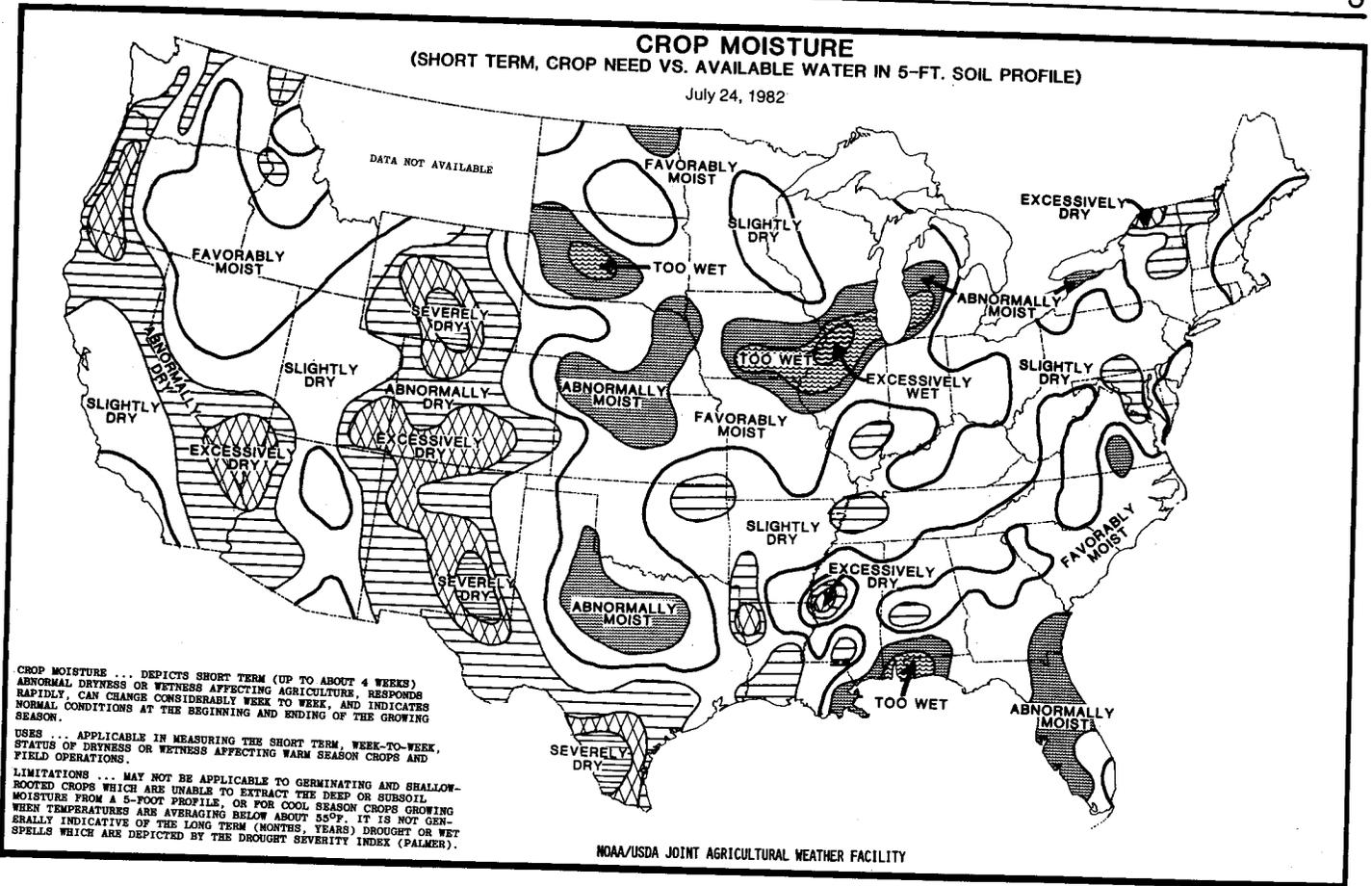
THURSDAY... Thunderstorms covered much of the Nation through the Plateau and Rockies and eastward. The heaviest showers fell in central Arkansas and from central Mississippi to northwestern Georgia. Low temperatures in the sixties, high temperatures in the low eighties, and a few light showers benefited the flowering plants in the Corn Belt.

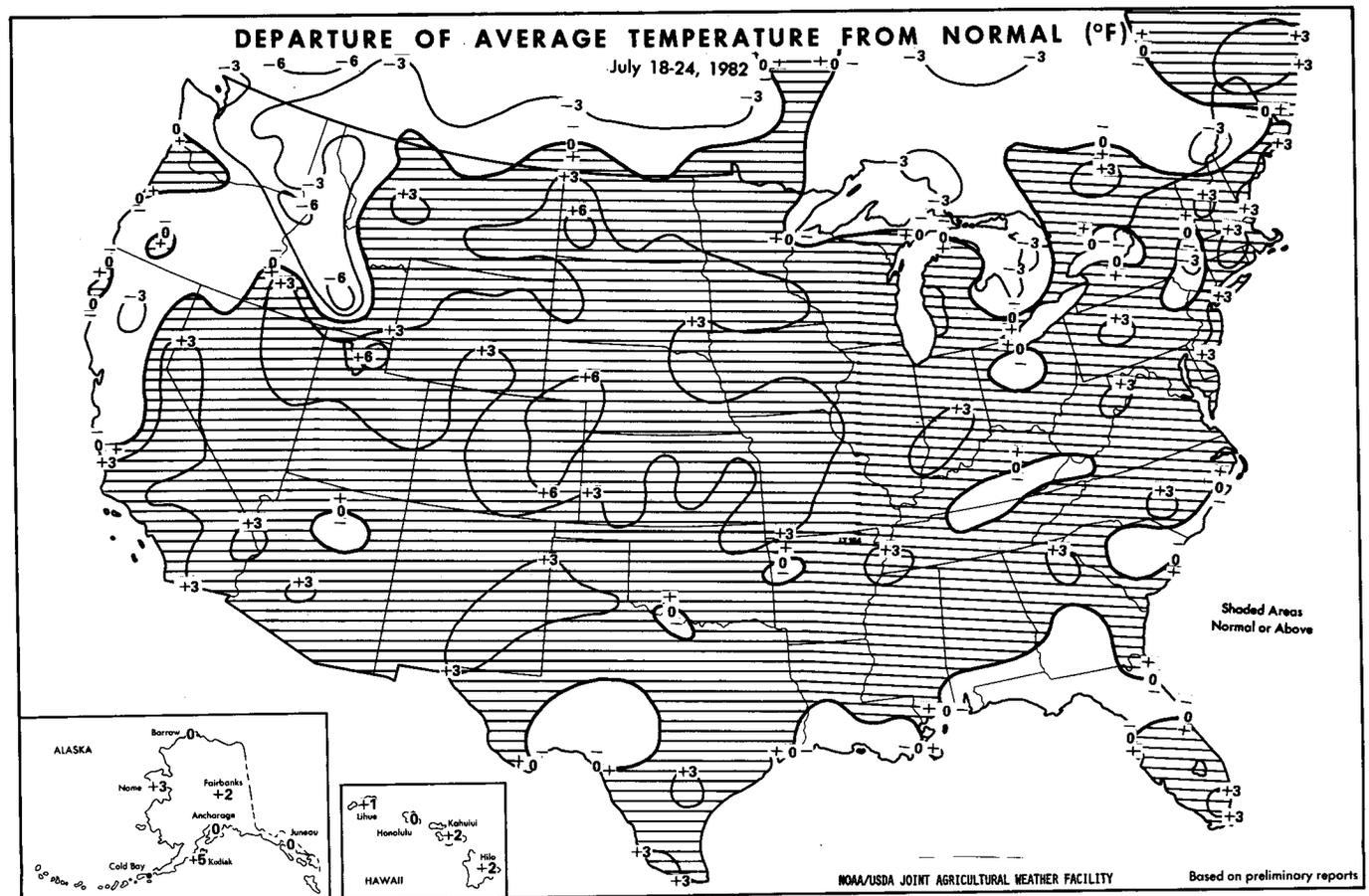
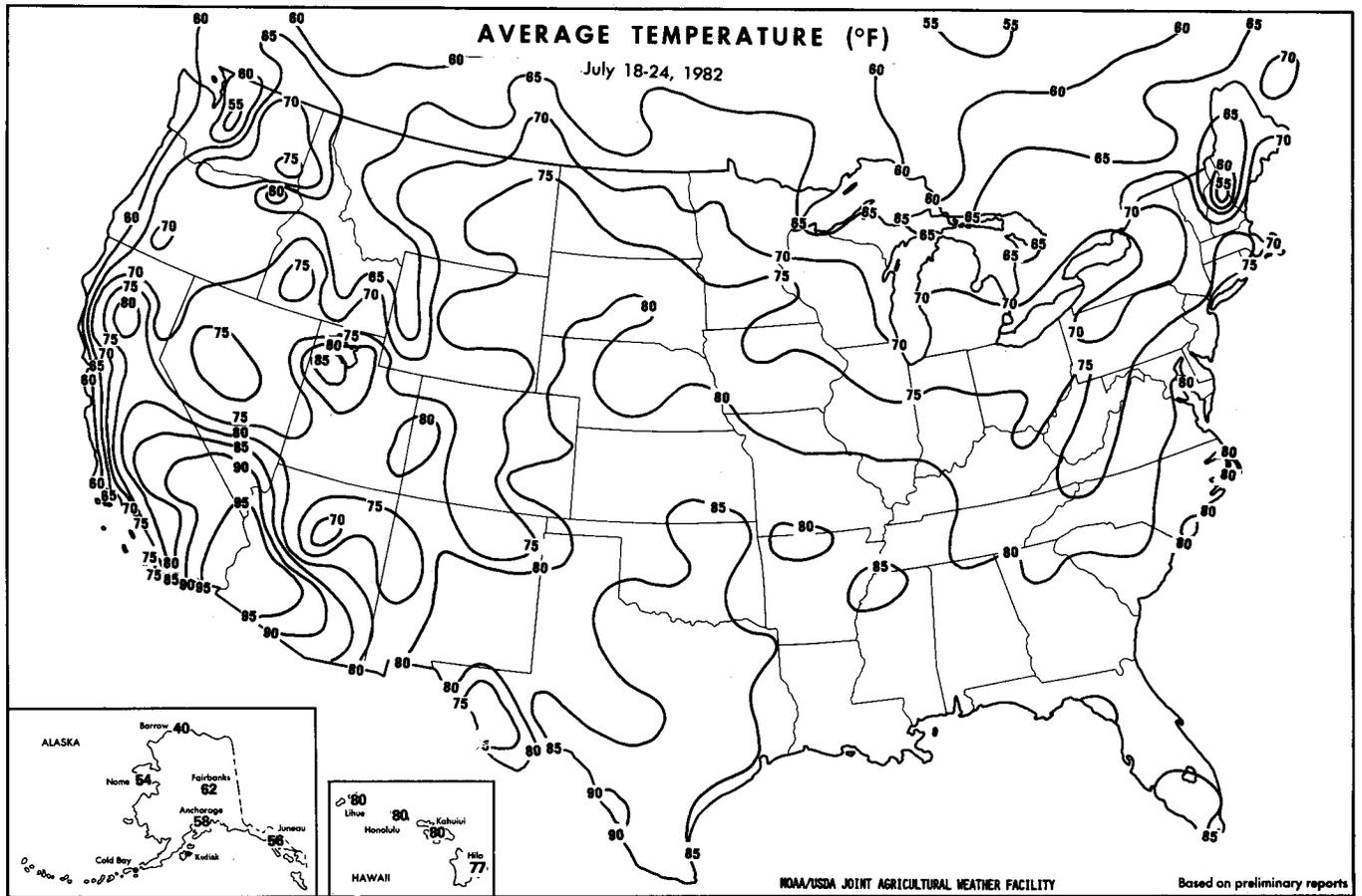
(continued on backcover)

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Weather Data for the Week Ending July 24, 1982

| STATES AND STATIONS | TEMPERATURE °F | | | | | | PRECIPITATION | | | | | | | | RELATIVE HUMIDITY, PERCENT | | NUMBER OF DAYS | | | |
|---------------------------|--------------------|--------------------|-----------------|----------------|---------|--------------------------|----------------------|--------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------|----------------------------|----------------|----------------|---------------------|---------------------|--|
| | AVERAGE MAXIMUM | AVERAGE MINIMUM | EXTREME HIGH | EXTREME LOW | AVERAGE | DEPARTURE FROM NORMAL | WEEKLY TOTAL, IN. | DEPARTURE FROM NORMAL | GREATEST IN 24-HOUR, IN. | TOTAL, IN., SINCE May 30 | PCT. NORMAL SINCE May 30 | TOTAL, IN., SINCE Jan. 1 | PCT. NORMAL SINCE Jan. 1 | AVERAGE MAXIMUM | AVERAGE MINIMUM | TEMPERATURE °F | | PRECIPITATION | | |
| | | | | | | | | | | | | | | | | 90 AND ABOVE | 32 AND BELOW | .01 INCH OR MORE | .50 INCH OR MORE | |
| AL BIRMINGHAM | 90 | 71 | 94 | 70 | 81 | 1 | 3.0 | 1.8 | 1.3 | 16.6 | 198 | 42.9 | 137 | 97 | 58 | 3 | 0 | 5 | 2 | |
| MOBILE | 88 | 73 | 89 | 72 | 80 | -2 | 1.0 | -1.1 | .5 | 21.7 | 160 | 46.4 | 122 | 85 | 58 | 0 | 0 | 4 | 0 | |
| MONTGOMERY | 91 | 73 | 95 | 72 | 82 | 1 | .7 | -.5 | .3 | 8.7 | 102 | 38.8 | 134 | 87 | 54 | 5 | 0 | 4 | 0 | |
| AK ANCHORAGE | 63 | 52 | 71 | 46 | 58 | 0 | .9 | -.4 | .3 | 3.2 | 114 | 5.1 | 86 | 80 | 53 | 0 | 0 | 3 | 1 | |
| BARROW | 44 | 35 | 57 | 31 | 40 | 0 | .2 | 0 | .1 | .6 | 67 | 2.2 | 110 | 97 | 72 | 0 | 2 | 4 | 0 | |
| FAIRBANKS | 73 | 52 | 81 | 47 | 62 | 2 | .3 | -.1 | .1 | 3.6 | 116 | 6.6 | 120 | 88 | 43 | 0 | 0 | 0 | 0 | |
| JUNEAU | 65 | 48 | 73 | 41 | 56 | 0 | .4 | -.7 | .4 | 3.5 | 51 | 21.6 | 94 | 78 | 59 | 0 | 0 | 5 | 0 | |
| KODIAK | 69 | 51 | 76 | 47 | 60 | 0 | T | -.8 | T | T | T | T | T | 78 | 49 | 0 | 0 | 0 | 0 | |
| NOME | 61 | 46 | 69 | 39 | 54 | 3 | .2 | -.4 | .2 | 11.1 | 154 | 33.6 | 121 | 91 | 59 | 0 | 0 | 2 | 0 | |
| AZ PHOENIX | 107 | 86 | 110 | 79 | 97 | 5 | -.1 | -.4 | .2 | 2.7 | 96 | 8.3 | 126 | 82 | 57 | 0 | 0 | 0 | 0 | |
| PRESCOTT | 89 | 67 | 92 | 61 | 78 | 2 | .3 | -.1 | .1 | .3 | 50 | 3.6 | 120 | 49 | 18 | 7 | 0 | 2 | 0 | |
| TUCSON | 100 | 73 | 102 | 69 | 87 | 0 | .9 | -.4 | .2 | .5 | 17 | 6.9 | 79 | 66 | 22 | 3 | 0 | 4 | 0 | |
| YUMA | 106 | 83 | 108 | 80 | 95 | 0 | 0 | -.1 | .9 | 1.6 | 84 | 5.0 | 106 | 69 | 23 | 7 | 0 | 4 | 0 | |
| AR FORT SMITH | 93 | 71 | 95 | 66 | 82 | -1 | 0 | -.1 | 0 | 0 | 0 | 1.6 | 145 | 49 | 25 | 7 | 0 | 0 | 1 | |
| LITTLE ROCK | 94 | 73 | 99 | 68 | 84 | 2 | 2.6 | 1.9 | 0 | 7.7 | 115 | 27.4 | 109 | 91 | 47 | 7 | 0 | 0 | 0 | |
| CA BAKERSFIELD | 103 | 75 | 106 | 69 | 89 | 4 | 0 | 0 | 0 | 8.4 | 145 | 33.2 | 118 | 88 | 58 | 5 | 0 | 0 | 0 | |
| EUREKA | 62 | 51 | 64 | 49 | 56 | 0 | T | 0 | T | 0 | +100 | 4.3 | 116 | 45 | 15 | 7 | 0 | 2 | 1 | |
| FRESNO | 100 | 66 | 102 | 62 | 83 | 1 | 0 | 0 | T | .8 | 114 | 24.4 | 110 | 94 | 72 | 0 | 0 | 0 | 0 | |
| LOS ANGELES | 79 | 64 | 83 | 62 | 72 | 3 | 0 | 0 | 0 | .3 | 300 | 8.6 | 137 | 66 | 17 | 0 | 0 | 0 | 0 | |
| RED BLUFF | 97 | 62 | 98 | 59 | 80 | -3 | 0 | 0 | 0 | 0 | +100 | 8.6 | 115 | 85 | 17 | 7 | 0 | 0 | 0 | |
| SACRAMENTO | 91 | 54 | 93 | 53 | 73 | -2 | 0 | 0 | 0 | 1.8 | 360 | 12.8 | 99 | 70 | 18 | 7 | 0 | 0 | 0 | |
| SAN DIEGO | 80 | 69 | 84 | 65 | 74 | 4 | 0 | 0 | 0 | -.1 | 100 | 18.1 | 156 | 77 | 22 | 5 | 0 | 0 | 0 | |
| SAN FRANCISCO | 69 | 53 | 73 | 51 | 61 | -2 | 0 | 0 | 0 | +100 | 9.0 | 161 | 86 | 57 | 0 | 0 | 0 | 0 | 0 | |
| CO DENVER | 96 | 63 | 99 | 59 | 79 | 5 | 0 | 0 | 0 | .1 | 100 | 22.6 | 200 | 85 | 53 | 0 | 0 | 0 | 0 | |
| GRAND JUNCTION | 98 | 70 | 101 | 67 | 84 | 5 | 0 | 0 | 0 | 3.0 | 88 | 7.2 | 75 | 50 | 11 | 7 | 0 | 0 | 0 | |
| PUEBLO | 99 | 66 | 99 | 61 | 82 | 5 | T | -.1 | T | .4 | 57 | 2.7 | 66 | 41 | 15 | 7 | 0 | 0 | 0 | |
| CT BRIDGEPORT | 84 | 66 | 92 | 60 | 75 | 1 | .5 | -.4 | 0 | 2.5 | 89 | 5.5 | 80 | 54 | 15 | 7 | 0 | 0 | 0 | |
| HARTFORD | 88 | 65 | 99 | 52 | 77 | 4 | 1.7 | -.9 | .5 | 13.3 | 242 | 30.7 | 150 | 86 | 53 | 2 | 0 | 1 | 0 | |
| DC WASHINGTON | 90 | 73 | 97 | 65 | 82 | 3 | .8 | -.2 | .7 | 7.9 | 248 | 32.6 | 146 | 80 | 42 | 2 | 0 | 1 | 0 | |
| FL APALACHICOLA | 86 | 73 | 89 | 72 | 80 | -2 | .9 | -1.0 | .4 | 10.0 | 83 | 23.3 | 111 | 80 | 47 | 4 | 0 | 2 | 1 | |
| DAYTONA BEACH | 90 | 70 | 92 | 69 | 80 | -1 | 4.5 | 3.0 | 1.7 | 14.6 | 124 | 33.6 | 139 | 97 | 62 | 5 | 0 | 5 | 0 | |
| JACKSONVILLE | 91 | 73 | 95 | 71 | 82 | 1 | .7 | -.9 | .5 | 12.9 | 105 | 27.7 | 101 | 97 | 64 | 4 | 0 | 7 | 3 | |
| KEY WEST | 91 | 82 | 92 | 78 | 86 | 1 | .5 | -.4 | .5 | 11.4 | 139 | 24.2 | 141 | 78 | 62 | 7 | 0 | 6 | 1 | |
| MIAMI | 91 | 78 | 92 | 74 | 85 | 3 | 1.4 | 0 | .8 | 16.9 | 115 | 38.3 | 130 | 84 | 57 | 7 | 0 | 3 | 2 | |
| ORLANDO | 93 | 72 | 94 | 70 | 83 | 1 | 1.4 | 1.8 | 2.0 | 16.8 | 117 | 33.7 | 123 | 89 | 49 | 7 | 0 | 6 | 2 | |
| TALLAHASSEE | 88 | 72 | 91 | 70 | 80 | -1 | 1.4 | -.6 | .8 | 16.7 | 118 | 37.3 | 106 | 97 | 65 | 2 | 0 | 3 | 2 | |
| TAMPA | 91 | 75 | 93 | 73 | 83 | 1 | 1.7 | -.2 | .9 | 21.3 | 160 | 32.8 | 126 | 97 | 59 | 6 | 0 | 3 | 2 | |
| WEST PALM BEACH | 91 | 75 | 92 | 71 | 83 | 1 | 1.3 | -.1 | 1.1 | 13.0 | 95 | 47.9 | 162 | 88 | 55 | 7 | 0 | 3 | 1 | |
| GA ATLANTA | 89 | 70 | 92 | 69 | 80 | 2 | 2.2 | 1.1 | 1.3 | 11.5 | 147 | 35.6 | 121 | 94 | 53 | 4 | 0 | 5 | 1 | |
| AUGUSTA | 94 | 73 | 97 | 71 | 84 | 3 | .3 | -.9 | .2 | 6.3 | 79 | 24.2 | 95 | 90 | 50 | 7 | 0 | 2 | 0 | |
| MACON | 92 | 73 | 95 | 71 | 82 | 1 | .3 | -.7 | .3 | 5.2 | 67 | 28.2 | 106 | 94 | 57 | 5 | 0 | 2 | 0 | |
| SAVANNAH | 89 | 73 | 92 | 71 | 81 | 0 | 3.5 | 1.7 | 2.2 | 18.7 | 146 | 34.5 | 119 | 93 | 63 | 3 | 0 | 4 | 2 | |
| HI HILO | 83 | 71 | 87 | 69 | 77 | 2 | 6.0 | 3.7 | 3.1 | 29.6 | 204 | 111.4 | 161 | 96 | 72 | 0 | 0 | 6 | 4 | |
| HONOLULU | 87 | 73 | 89 | 69 | 80 | 0 | T | -.1 | T | .7 | 78 | 20.8 | 165 | 83 | 57 | 0 | 0 | 0 | 0 | |
| KAHULUI | 87 | 73 | 89 | 66 | 80 | 2 | .1 | 0 | .1 | .7 | 117 | 21.1 | 194 | 78 | 54 | 1 | 0 | 1 | 0 | |
| LIHUE | 86 | 74 | 87 | 70 | 80 | 1 | .3 | -.1 | .1 | 3.8 | 127 | 41.9 | 188 | 91 | 69 | 0 | 0 | 3 | 0 | |
| ID BOISE | 91 | 56 | 95 | 54 | 73 | -2 | 0 | 0 | 0 | 1.7 | 131 | 7.2 | 99 | 64 | 20 | 4 | 0 | 0 | 0 | |
| LEWISTON | 90 | 57 | 94 | 51 | 74 | -1 | 0 | -.1 | 0 | 1.1 | 48 | 6.5 | 87 | 64 | 19 | 4 | 0 | 0 | 0 | |
| POCATELLO | 90 | 56 | 97 | 47 | 73 | 0 | .4 | .3 | .4 | 1.2 | 75 | 7.6 | 110 | 73 | 26 | 3 | 0 | 1 | 0 | |
| IL CHICAGO | 83 | 65 | 89 | 61 | 74 | 2 | 2.8 | 2.0 | 2.2 | 8.7 | 121 | 21.4 | 115 | 88 | 54 | 0 | 0 | 4 | 1 | |
| MOLINE | 85 | 67 | 87 | 62 | 76 | 1 | 2.2 | 1.2 | 2.2 | 11.9 | 140 | 26.4 | 133 | 94 | 62 | 0 | 0 | 2 | 1 | |
| PEORIA | 84 | 68 | 88 | 62 | 76 | 1 | 3.2 | 2.4 | 2.9 | 10.9 | 154 | 28.0 | 138 | 94 | 65 | 0 | 0 | 4 | 1 | |
| QUINCY | 83 | 68 | 88 | 63 | 75 | -3 | 2.0 | 1.0 | 1.6 | 11.9 | 143 | 26.9 | 138 | 94 | 65 | 0 | 0 | 4 | 1 | |
| ROCKFORD | 84 | 65 | 86 | 61 | 74 | 1 | 4.5 | 3.6 | 2.5 | 12.9 | 163 | 26.0 | 129 | 91 | 61 | 0 | 0 | 4 | 1 | |
| SPRINGFIELD | 86 | 69 | 91 | 63 | 77 | 1 | .5 | -.3 | .3 | 5.4 | 73 | 21.4 | 109 | 94 | 67 | 2 | 0 | 4 | 0 | |
| IN EVANSVILLE | 89 | 72 | 93 | 69 | 81 | 3 | .5 | -.4 | .3 | 5.8 | 82 | 28.3 | 111 | 94 | 60 | 4 | 0 | 3 | 0 | |
| FORT WAYNE | 83 | 66 | 86 | 63 | 74 | 1 | .5 | -.4 | .4 | 7.2 | 100 | 25.4 | 120 | 91 | 54 | 0 | 0 | 3 | 0 | |
| INDIANAPOLIS | 86 | 70 | 88 | 66 | 78 | 3 | 1.2 | -.4 | .8 | 8.4 | 112 | 28.1 | 123 | 88 | 57 | 0 | 0 | 3 | 1 | |
| SOUTH BEND | 81 | 66 | 84 | 63 | 74 | 1 | .8 | -.1 | .6 | 9.9 | 143 | 25.2 | 128 | 95 | 61 | 0 | 0 | 3 | 1 | |
| IA DES MOINES | 86 | 70 | 90 | 65 | 78 | 3 | 1.3 | -.7 | 1.2 | 8.3 | 106 | 25.8 | 140 | 83 | 57 | 1 | 0 | 4 | 1 | |
| SIoux CITY | 88 | 68 | 91 | 64 | 78 | 2 | .2 | -.5 | .2 | 6.0 | 80 | 16.4 | 103 | 89 | 57 | 2 | 0 | 2 | 0 | |
| WATERLOO | 85 | 66 | 86 | 61 | 75 | 2 | .6 | -.4 | .6 | 7.3 | 81 | 20.9 | 108 | 88 | 59 | 0 | 0 | 2 | 0 | |
| KS CONCORDIA | 94 | 73 | 99 | 69 | 83 | 5 | 1.1 | -.4 | 1.1 | 16.1 | 204 | 29.1 | 174 | 76 | 44 | 6 | 0 | 1 | 1 | |
| DODGE CITY | 96 | 73 | 100 | 71 | 85 | 5 | .3 | -.4 | .2 | 7.2 | 124 | 12.8 | 106 | 71 | 35 | 7 | 0 | 1 | 1 | |
| GOODLAND | 96 | 64 | 97 | 61 | 80 | 4 | .1 | -.5 | .1 | 12.7 | 254 | 19.3 | 191 | 78 | 24 | 7 | 0 | 2 | 0 | |
| TOPEKA | 91 | 70 | 96 | 64 | 80 | 2 | .2 | -.7 | .2 | 12.4 | 131 | 25.5 | 125 | 92 | 53 | 4 | 0 | 1 | 0 | |
| WICHITA | 96 | 72 | 102 | 67 | 84 | 3 | .2 | -.8 | .2 | 9.4 | 115 | 21.8 | 127 | 74 | 35 | 7 | 0 | 1 | 0 | |
| KY BOWLING GREEN | 87 | 70 | 89 | 68 | 78 | -1 | 1.0 | -.1 | .8 | 6.3 | 88 | 26.5 | 91 | 100 | 62 | 0 | 0 | 3 | 1 | |
| LEXINGTON | 87 | 70 | 88 | 69 | 78 | 2 | .6 | -.5 | .5 | 7.1 | 86 | 22.9 | 85 | 88 | 58 | 0 | 0 | 2 | 1 | |
| LOUISVILLE | 88 | 71 | 90 | 68 | 79 | 2 | 1.9 | -.9 | .9 | 8.0 | 108 | 26.1 | 98 | 91 | 60 | 2 | 0 | 4 | 1 | |
| LA ALEXANDRIA | 94 | 74 | 96 | 72 | 84 | 1 | .6 | -.4 | .5 | 7.6 | 95 | 25.1 | 98 | 87 | 46 | 7 | 0 | 2 | 0 | |
| BATON ROUGE | 91 | 74 | 92 | 71 | 82 | 0 | T | -.1 | T | 5.7 | 62 | 27.0 | 85 | 91 | 54 | 7 | 0 | 1 | 0 | |
| LAKE CHARLES | 91 | 73 | 93 | 71 | 82 | 0 | .2 | -.1 | T | 5.7 | 62 | 27.0 | 85 | 91 | 54 | 7 | 0 | 1 | 0 | |
| NEW ORLEANS | 90 | 72 | 92 | 71 | 81 | -1 | 4.4 | 2.8 | 1.8 | 15.6 | 147 | 35.6 | 110 | 96 | 57 | 6 | 0 | 2 | 0 | |

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

+100 = NORMAL & ACTUAL NEAR THE SAME

Weather Data for the Week Ending July 24, 1982

| STATES AND STATIONS | TEMPERATURE °F | | | | | | PRECIPITATION | | | | | | RELATIVE HUMIDITY, PERCENT | | NUMBER OF DAYS | | | | |
|---------------------------|--------------------|--------------------|-----------------|----------------|---------|--------------------------|----------------------|--------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------|--------------------|--------------|--------------|---------------------|---------------------|
| | AVERAGE MAXIMUM | AVERAGE MINIMUM | EXTREME HIGH | EXTREME LOW | AVERAGE | DEPARTURE FROM NORMAL | WEEKLY TOTAL, IN. | DEPARTURE FROM NORMAL | GREATEST IN 24-HOUR, IN. | TOTAL, IN., SINCE May 30 | PCT. NORMAL SINCE May 30 | TOTAL, IN., SINCE Jan. 1 | PCT. NORMAL SINCE Jan. 1 | AVERAGE MAXIMUM | AVERAGE MINIMUM | TEMPERATURE | | PRECIPITATION | |
| | | | | | | | | | | | | | | | | 90 AND ABOVE | 32 AND BELOW | .01 INCH OR MORE | .50 INCH OR MORE |
| ME SHREVEPORT | 96 | 72 | 98 | 71 | 84 | 1 | 0 | -.6 | 0 | 2.5 | 42 | 16.9 | 64 | 95 | 46 | 7 | 0 | 0 | 0 |
| ME CARIBOU | 78 | 60 | 93 | 49 | 69 | 4 | 2.7 | 1.7 | 2.7 | 5.9 | 86 | 17.7 | 99 | 87 | 48 | 2 | 0 | 1 | 1 |
| MD PORTLAND | 83 | 62 | 95 | 56 | 72 | 4 | 1.3 | -.8 | -.9 | 8.8 | 169 | 26.4 | 123 | 93 | 48 | 2 | 0 | 4 | 1 |
| MD BALTIMORE | 89 | 68 | 96 | 61 | 78 | 1 | .5 | -.4 | .3 | 7.3 | 104 | 23.2 | 105 | 84 | 49 | 2 | 0 | 4 | 0 |
| MA SALISBURY | 88 | 69 | 94 | 60 | 79 | 1 | .4 | -.5 | .4 | 6.4 | 93 | 22.6 | 97 | 97 | 57 | 3 | 0 | 2 | 0 |
| MA BOSTON | 84 | 68 | 98 | 61 | 76 | 2 | 3.0 | 2.4 | 1.8 | 16.9 | 313 | 32.3 | 142 | 79 | 50 | 2 | 0 | 5 | 2 |
| MA CHATHAM | 74 | 63 | 84 | 60 | 69 | 1 | .8 | -.1 | .4 | 6.3 | — | 24.1 | — | 90 | 77 | 0 | 0 | 3 | 0 |
| MI ALPENA | 81 | 51 | 89 | 45 | 66 | 0 | -.2 | -.4 | -.2 | 4.7 | 96 | 12.2 | 87 | 92 | 43 | 0 | 0 | 1 | 0 |
| MI DETROIT | 83 | 62 | 90 | 55 | 73 | 0 | 2.6 | 1.9 | 2.6 | 7.7 | 128 | 19.8 | 111 | 82 | 46 | 1 | 0 | 1 | 1 |
| MI FLINT | 81 | 59 | 86 | 50 | 70 | 0 | T | -.6 | T | 5.5 | 95 | 12.9 | 80 | 92 | 53 | 0 | 0 | 0 | 0 |
| MI GRAND RAPIDS | 84 | 63 | 87 | 55 | 74 | 2 | T | -.7 | T | 5.6 | 92 | 17.6 | 101 | 83 | 44 | 0 | 0 | 0 | 0 |
| MI HOUGHTON LAKE | 80 | 56 | 83 | 49 | 68 | 2 | 1.1 | -.5 | 1.1 | 7.0 | 117 | 17.3 | 117 | 93 | 48 | 0 | 0 | 1 | 1 |
| MI LANSING | 81 | 58 | 87 | 51 | 70 | -2 | -.1 | -.5 | -.1 | 5.6 | 97 | 13.6 | 79 | 99 | 58 | 0 | 0 | 1 | 0 |
| MI MARQUETTE | 77 | 51 | 81 | 45 | 64 | -1 | T | -.8 | T | 4.8 | 64 | 18.2 | 100 | 96 | 47 | 0 | 0 | 0 | 0 |
| MI MUSKEGON | 83 | 63 | 85 | 56 | 73 | 3 | -.6 | -.1 | .5 | 5.3 | 113 | 18.1 | 113 | 90 | 51 | 0 | 0 | 2 | 1 |
| MI SAULT STE. MARIE | 77 | 46 | 82 | 42 | 62 | -2 | -.1 | -.5 | -.1 | 3.1 | 55 | 16.5 | 109 | 93 | 47 | 0 | 0 | 1 | 0 |
| MI ALEXANDRIA | 82 | 63 | 91 | 58 | 74 | 4 | T | -.6 | T | 7.4 | 109 | 16.8 | 121 | 88 | 51 | 1 | 0 | 1 | 0 |
| MI DULUTH | 76 | 53 | 80 | 47 | 65 | -1 | 1.5 | -.8 | 1.2 | 7.1 | 95 | 17.9 | 110 | 86 | 54 | 0 | 0 | 3 | 1 |
| MI INT'L FALLS | 80 | 53 | 91 | 45 | 67 | 1 | .7 | -.2 | .4 | 4.9 | 66 | 12.4 | 89 | 98 | 51 | 1 | 0 | 3 | 0 |
| MI MINNEAPOLIS | 88 | 66 | 91 | 62 | 77 | 5 | T | -.8 | T | 2.6 | 36 | 13.9 | 94 | 80 | 42 | 3 | 0 | 1 | 0 |
| MI ROCHESTER | 84 | 64 | 87 | 60 | 74 | 3 | -.4 | -.4 | .2 | 4.7 | 59 | 18.7 | 115 | 93 | 60 | 0 | 0 | 2 | 0 |
| MS GREENWOOD | 93 | 72 | 96 | 68 | 82 | 0 | T | -.9 | T | 7.2 | 104 | 31.7 | — | 93 | 54 | 6 | 0 | 1 | 0 |
| MS JACKSON | 93 | 73 | 95 | 72 | 83 | 1 | 2.2 | 1.2 | 1.6 | 13.2 | 189 | 35.0 | 121 | 99 | 57 | 7 | 0 | 2 | 2 |
| MS MERIDIAN | 93 | 72 | 95 | 71 | 83 | 2 | 2.8 | 1.7 | 1.9 | 10.8 | 135 | 34.3 | 112 | 91 | 54 | 7 | 0 | 4 | 2 |
| MO CAPE GIRARDEAU | 91 | 72 | 97 | 70 | 82 | 2 | .1 | -.5 | T | 8.3 | 128 | 31.3 | 128 | 96 | 57 | 4 | 0 | 2 | 0 |
| MO COLUMBIA | 90 | 71 | 95 | 66 | 81 | 3 | T | -.8 | T | 9.5 | 120 | 23.7 | 114 | 90 | 51 | 4 | 0 | 1 | 0 |
| MO KANSAS CITY | 91 | 72 | 96 | 66 | 81 | 3 | .8 | -.1 | .8 | 11.0 | 118 | 26.7 | 128 | 88 | 51 | 4 | 0 | 1 | 1 |
| MO SAINT LOUIS | 88 | 73 | 92 | 66 | 81 | 2 | 0 | -.8 | 0 | 14.7 | 191 | 30.4 | 143 | 95 | 56 | 3 | 0 | 0 | 0 |
| MO SPRINGFIELD | 94 | 68 | 98 | 61 | 81 | 3 | -.2 | -.6 | .2 | 7.8 | 98 | 22.3 | 98 | 94 | 44 | 5 | 0 | 1 | 0 |
| MT BILLINGS | 90 | 63 | 97 | 55 | 76 | 3 | .8 | -.6 | .7 | 6.6 | 194 | 13.6 | 149 | 73 | 29 | 4 | 0 | 3 | 1 |
| MT GLASGOW | 87 | 60 | 93 | 53 | 73 | 2 | -.4 | -.2 | .3 | 2.3 | 62 | 8.1 | 127 | 75 | 29 | 1 | 0 | 2 | 0 |
| MT GREAT FALLS | 87 | 54 | 94 | 51 | 71 | 0 | 0 | -.2 | 0 | 3.6 | 84 | 12.3 | 122 | 63 | 23 | 2 | 0 | 0 | 0 |
| MT HAVRE | 85 | 54 | 92 | 49 | 70 | -1 | T | -.3 | T | 1.2 | 32 | 9.0 | 120 | 74 | 20 | 2 | 0 | 0 | 0 |
| MT HELENA | 89 | 58 | 94 | 54 | 74 | 4 | T | -.1 | T | 3.4 | 100 | 8.7 | 121 | 59 | 21 | 4 | 0 | 0 | 0 |
| MT KALISPELL | 80 | 46 | 84 | 37 | 63 | -2 | -.2 | 0 | .1 | 5.6 | 170 | 12.9 | 145 | 95 | 34 | 0 | 0 | 2 | 0 |
| MT MILES CITY | 92 | 65 | 99 | 53 | 79 | 3 | -.2 | -.1 | .2 | 5.7 | 121 | 10.3 | 113 | 71 | 26 | 4 | 0 | 1 | 0 |
| MT MISSOULA | 84 | 49 | 88 | 43 | 67 | -1 | 0 | -.1 | 0 | 2.8 | 100 | 11.1 | 148 | 87 | 26 | 0 | 0 | 0 | 0 |
| NE GRAND ISLAND | 92 | 67 | 101 | 60 | 80 | 3 | -.3 | -.3 | .3 | 5.7 | 80 | 21.0 | 139 | 92 | 47 | 4 | 0 | 2 | 0 |
| NE LINCOLN | 92 | 70 | 98 | 67 | 81 | 3 | -.4 | -.3 | .3 | 9.9 | 127 | 22.1 | 134 | 94 | 54 | 7 | 0 | 2 | 0 |
| NE NORFOLK | 89 | 66 | 95 | 64 | 78 | 2 | T | -.6 | T | 4.6 | 61 | 16.9 | 110 | 83 | 43 | 4 | 0 | 0 | 0 |
| NE NORTH PLATTE | 94 | 63 | 98 | 54 | 79 | 4 | T | -.6 | T | 4.1 | 64 | 12.8 | 102 | 89 | 37 | 6 | 0 | 1 | 0 |
| NE OMAHA | 88 | 68 | 94 | 65 | 78 | 2 | -.4 | -.3 | .4 | 6.9 | 86 | 22.2 | 128 | 92 | 58 | 1 | 0 | 2 | 0 |
| NE SCOTTSBLUFF | 96 | 61 | 101 | 54 | 79 | 5 | -.3 | -.1 | .3 | 8.1 | 184 | 12.5 | 128 | 69 | 19 | 7 | 0 | 1 | 0 |
| NE VALENTINE | 95 | 63 | 100 | 54 | 79 | 4 | -.1 | -.5 | T | 5.1 | 89 | 13.9 | 124 | 83 | 34 | 6 | 0 | 2 | 0 |
| NV ELY | 90 | 53 | 95 | 47 | 71 | 3 | -.2 | 0 | .2 | .6 | 40 | 6.3 | 121 | 55 | 22 | 4 | 0 | 1 | 0 |
| NV LAS VEGAS | 103 | 78 | 109 | 74 | 91 | 0 | -.1 | -.1 | T | .1 | 17 | 1.9 | 86 | 34 | 15 | 7 | 0 | 2 | 0 |
| NV RENO | 94 | 54 | 97 | 47 | 74 | 4 | T | 0 | T | 1.0 | 167 | 4.2 | 95 | 65 | 16 | 5 | 0 | 1 | 0 |
| NV WINNEMUCCA | 95 | 51 | 97 | 44 | 73 | 1 | T | 0 | T | 2.3 | 177 | 4.6 | 85 | 42 | 11 | 6 | 0 | 0 | 0 |
| NH CONCORD | 83 | 59 | 95 | 48 | 71 | 1 | 1.3 | -.6 | 1.1 | 9.4 | 154 | 23.7 | 125 | 85 | 44 | 2 | 0 | 3 | 1 |
| NJ ATLANTIC CITY | 89 | 69 | 97 | 62 | 79 | 3 | 1.5 | -.5 | 1.0 | 6.8 | 100 | 21.0 | 88 | 90 | 50 | 2 | 0 | 2 | 2 |
| NM ALBUQUERQUE | 96 | 66 | 100 | 63 | 81 | 2 | -.4 | -.1 | .3 | .5 | 29 | 2.4 | 63 | 64 | 20 | 7 | 0 | 3 | 0 |
| NM CLOVIS | 94 | 68 | 97 | 65 | 81 | 3 | -.2 | -.5 | .2 | 4.6 | 94 | 7.5 | — | 71 | 31 | 7 | 0 | 1 | 0 |
| NM ROSWELL | 96 | 70 | 99 | 68 | 83 | 4 | -.1 | -.4 | -.1 | 1.8 | 56 | 3.4 | 53 | 67 | 26 | 7 | 0 | 1 | 0 |
| NY ALBANY | 84 | 57 | 96 | 48 | 70 | -2 | -.1 | -.6 | -.1 | 7.5 | 134 | 20.9 | 121 | 93 | 49 | 2 | 0 | 1 | 0 |
| NY BINGHAMTON | 81 | 60 | 91 | 53 | 70 | 1 | -.6 | -.3 | .4 | 8.9 | 133 | 22.4 | 111 | 90 | 46 | 1 | 0 | 2 | 0 |
| NY BUFFALO | 83 | 62 | 89 | 55 | 72 | 2 | -.4 | -.3 | .3 | 4.2 | 93 | 20.8 | 116 | 93 | 43 | 0 | 0 | 3 | 0 |
| NY NEW YORK | 87 | 71 | 98 | 64 | 79 | 2 | 1.0 | -.1 | .9 | 5.7 | 95 | 21.3 | 99 | 75 | 41 | 2 | 0 | 2 | 1 |
| NY ROCHESTER | 83 | 63 | 92 | 55 | 73 | 1 | 1.6 | -.9 | 1.4 | 6.6 | 132 | 16.9 | 100 | 87 | 45 | 1 | 0 | 3 | 1 |
| NY SYRACUSE | 83 | 58 | 93 | 53 | 71 | -1 | 1.3 | -.6 | 1.1 | 7.6 | 136 | 19.3 | 100 | 99 | 53 | 1 | 0 | 2 | 1 |
| NC ASHEVILLE | 85 | 66 | 87 | 65 | 76 | 2 | 3.5 | 2.4 | 2.6 | 10.5 | 131 | 31.8 | 126 | 100 | 60 | 0 | 0 | 4 | 1 |
| NC CHARLOTTE | 86 | 72 | 89 | 70 | 79 | 0 | .6 | -.4 | .3 | 7.6 | 121 | 26.7 | 113 | 95 | 62 | 0 | 0 | 2 | 0 |
| NC GREENSBORO | 86 | 71 | 89 | 69 | 78 | 1 | .9 | -.1 | .8 | 11.6 | 155 | 30.7 | 135 | 96 | 68 | 0 | 0 | 2 | 1 |
| NC HATTERAS | 86 | 71 | 88 | 63 | 78 | 0 | 2.8 | 1.4 | 1.8 | 10.7 | 110 | 36.4 | 135 | 100 | 71 | 0 | 0 | 3 | 2 |
| NC NEW BERN | 86 | 72 | 90 | 69 | 79 | 0 | .6 | -.2 | .4 | 9.4 | 79 | 27.3 | 91 | 90 | 64 | 1 | 0 | 3 | 0 |
| NC RALEIGH | 90 | 71 | 93 | 69 | 80 | 2 | .5 | -.7 | .4 | 10.9 | 138 | 29.2 | 125 | 91 | 56 | 4 | 0 | 3 | 0 |
| NC WILMINGTON | 87 | 72 | 90 | 69 | 79 | -2 | 3.0 | 1.0 | 1.8 | 15.0 | 119 | 35.0 | 120 | 90 | 64 | 1 | 0 | 4 | 2 |
| ND BISMARCK | 87 | 58 | 96 | 46 | 73 | 1 | -.2 | -.2 | .2 | 3.7 | 69 | 10.4 | 103 | 95 | 36 | 3 | 0 | 3 | 0 |
| ND FARGO | 83 | 61 | 91 | 54 | 72 | 1 | .5 | -.2 | -.5 | 4.3 | 72 | 9.5 | 82 | 89 | 49 | 1 | 0 | 1 | 1 |
| ND GRAND FORKS | 81 | 58 | 88 | 52 | 69 | 0 | .7 | -.1 | .3 | 6.1 | 107 | 12.0 | 109 | 98 | 60 | 0 | 0 | 3 | 0 |
| ND WILLISTON | 90 | 61 | 97 | 50 | 75 | 4 | T | -.4 | T | 3.4 | 67 | 9.3 | 97 | 73 | 34 | 4 | 0 | 0 | 0 |
| OH AKRON-CANTON | | | | | | | | | | | | | | | | | | | |

Weather Data for the Week Ending July 24, 1982

| STATES AND STATIONS | TEMPERATURE °F | | | | | | PRECIPITATION | | | | | | RELATIVE HUMIDITY, PERCENT | | NUMBER OF DAYS | | | | |
|---------------------------|--------------------|--------------------|-----------------|----------------|---------|--------------------------|----------------------|--------------------------|-----------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------|--------------------|--------------|--------------|---------------------|---------------------|
| | AVERAGE MAXIMUM | AVERAGE MINIMUM | EXTREME HIGH | EXTREME LOW | AVERAGE | DEPARTURE FROM NORMAL | WEEKLY TOTAL, IN. | DEPARTURE FROM NORMAL | GREATEST IN 24-HOUR, IN. | TOTAL, IN., SINCE MAY 30 | PCT. NORMAL SINCE MAY 30 | TOTAL, IN., SINCE JAN. 1 | PCT. NORMAL SINCE JAN. 1 | AVERAGE MAXIMUM | AVERAGE MINIMUM | TEMPERATURE | | PRECIPITATION | |
| | | | | | | | | | | | | | | | | 90 AND ABOVE | 32 AND BELOW | .01 INCH OR MORE | .50 INCH OR MORE |
| DAYTON | 85 | 65 | 92 | 60 | 75 | 0 | .5 | -.3 | -.2 | 5.8 | 83 | 25.7 | 120 | 92 | 56 | 1 | 0 | 0 | 0 |
| TOLEDO | 83 | 62 | 87 | 57 | 73 | 0 | .4 | -.4 | -.3 | 4.1 | 64 | 16.5 | 92 | 94 | 55 | 0 | 0 | 2 | 0 |
| YOUNGSTOWN | 83 | 60 | 90 | 51 | 71 | 0 | .2 | -.7 | -.1 | 6.2 | 91 | 20.4 | 94 | 91 | 46 | 1 | 0 | 2 | 0 |
| OK OKLAHOMA CITY | 96 | 72 | 98 | 69 | 84 | 2 | 0 | -.5 | 0 | 6.2 | 94 | 25.7 | 139 | 76 | 38 | 7 | 0 | 2 | 0 |
| TULSA | 97 | 76 | 100 | 66 | 86 | 4 | 0 | -.7 | 0 | 5.5 | 71 | 20.6 | 96 | 79 | 39 | 7 | 0 | 1 | 0 |
| OR ASTORIA | 67 | 52 | 68 | 45 | 60 | -1 | T | -.1 | T | 1.9 | 59 | 40.8 | 124 | 89 | 60 | 0 | 0 | 0 | 0 |
| BURNS | 88 | 49 | 90 | 46 | 68 | -2 | 0 | -.1 | 0 | 1.2 | 100 | 6.2 | 93 | 76 | 22 | 6 | 0 | 0 | 0 |
| MEDFORD | 94 | 55 | 97 | 50 | 74 | 1 | 0 | 0 | 0 | 1.0 | 83 | 9.2 | 87 | 76 | 22 | 6 | 0 | 0 | 0 |
| PENDLETON | 87 | 57 | 92 | 47 | 72 | -3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PORTLAND | 82 | 57 | 91 | 52 | 69 | 1 | 0 | 0 | 0 | .8 | 62 | 5.5 | 80 | 53 | 18 | 4 | 0 | 0 | 0 |
| SALEM | 85 | 51 | 89 | 42 | 68 | 1 | 0 | -.1 | 0 | 2.1 | 105 | 20.8 | 110 | 78 | 34 | 1 | 0 | 0 | 0 |
| PA ALLENTOWN | 86 | 64 | 93 | 57 | 75 | 0 | 0 | -.1 | 0 | 1.8 | 100 | 21.3 | 100 | 86 | 30 | 0 | 0 | 0 | 0 |
| ERIE | 80 | 61 | 87 | 54 | 70 | 1 | .4 | -.6 | .4 | 9.0 | 125 | 25.2 | 109 | 92 | 44 | 2 | 0 | 0 | 0 |
| HARRISBURG | 87 | 66 | 92 | 59 | 82 | 6 | 1.4 | -.7 | .8 | 8.7 | 134 | 22.1 | 113 | 81 | 54 | 0 | 0 | 1 | 0 |
| PHILADELPHIA | 87 | 69 | 94 | 63 | 78 | 1 | .1 | -.8 | .1 | 8.2 | 88 | 24.4 | 103 | 87 | 40 | 2 | 0 | 3 | 1 |
| PITTSBURGH | 84 | 63 | 89 | 55 | 74 | 2 | .2 | -.8 | .1 | 7.3 | 104 | 27.5 | 130 | 88 | 48 | 2 | 0 | 1 | 0 |
| SCRANTON | 83 | 61 | 92 | 54 | 72 | -1 | -.1 | -.6 | .1 | 4.7 | 68 | 20.0 | 94 | 88 | 46 | 2 | 0 | 3 | 0 |
| RI PROVIDENCE | 84 | 67 | 98 | 62 | 75 | 2 | 1.5 | .6 | 1.5 | 9.5 | 136 | 23.9 | 126 | 92 | 53 | 2 | 0 | 2 | 0 |
| SC CHARLESTON | 89 | 75 | 92 | 73 | 82 | 2 | 2.4 | 1.7 | 1.5 | 14.0 | 280 | 32.1 | 149 | 85 | 46 | 2 | 0 | 2 | 1 |
| COLUMBIA | 90 | 72 | 94 | 69 | 81 | 0 | .8 | -1.1 | .6 | 14.8 | 111 | 31.4 | 107 | 93 | 56 | 4 | 0 | 4 | 1 |
| FLORENCE | 88 | 72 | 91 | 70 | 80 | 0 | 4.0 | 2.7 | 2.3 | 13.9 | 162 | 32.2 | 123 | 93 | 55 | 5 | 0 | 3 | 1 |
| SD GREENVILLE | 86 | 70 | 88 | 68 | 78 | 0 | -.7 | -.8 | .3 | 9.2 | 93 | 26.6 | 106 | 99 | 65 | 2 | 0 | 5 | 2 |
| ABERDEEN | 91 | 64 | 99 | 53 | 78 | 5 | .4 | -.5 | .3 | 11.5 | 153 | 35.2 | 128 | 93 | 61 | 0 | 0 | 5 | 0 |
| HURON | 90 | 67 | 97 | 58 | 79 | 4 | 1.0 | -.5 | -.9 | 5.2 | 90 | 13.3 | 89 | 32 | 5 | 0 | 2 | 0 | 0 |
| RAPID CITY | 92 | 61 | 96 | 49 | 76 | 3 | .7 | .3 | .3 | 4.1 | 73 | 13.4 | 111 | 94 | 50 | 3 | 0 | 3 | 0 |
| SIoux FALLS | 87 | 66 | 92 | 57 | 76 | 2 | .8 | -.2 | -.7 | 6.8 | 99 | 14.4 | 96 | 89 | 52 | 1 | 0 | 3 | 1 |
| TN CHATTANOOGA | 90 | 69 | 95 | 67 | 80 | 1 | 1.6 | -.4 | .5 | 5.3 | 65 | 30.2 | 98 | 95 | 54 | 4 | 0 | 2 | 1 |
| KNOXVILLE | 87 | 69 | 92 | 68 | 78 | 0 | .4 | -.7 | .4 | 7.0 | 90 | 33.1 | 119 | 99 | 58 | 1 | 0 | 5 | 1 |
| MEMPHIS | 93 | 78 | 97 | 75 | 86 | 4 | .5 | -.3 | .5 | 9.9 | 148 | 36.9 | 125 | 85 | 55 | 5 | 0 | 2 | 0 |
| TX NASHVILLE | 88 | 71 | 92 | 69 | 79 | -1 | 3.4 | -2.5 | 1.5 | 6.8 | 101 | 29.7 | 109 | 98 | 65 | 3 | 0 | 6 | 2 |
| ABILENE | 98 | 74 | 99 | 71 | 86 | 2 | .1 | -.4 | -.1 | 5.5 | 112 | 15.4 | 112 | 74 | 31 | 7 | 0 | 1 | 0 |
| AMARILLO | 95 | 67 | 98 | 65 | 81 | 2 | .2 | -.5 | -.2 | 5.8 | 102 | 9.3 | 85 | 70 | 28 | 7 | 0 | 2 | 0 |
| AUSTIN | 99 | 76 | 100 | 73 | 87 | 3 | .1 | -.3 | -.1 | 3.1 | 65 | 16.0 | 89 | 82 | 33 | 7 | 0 | 1 | 0 |
| BEAUMONT | 91 | 74 | 93 | 73 | 83 | -1 | 1.3 | -.1 | 1.3 | 12.3 | 124 | 36.0 | 124 | 93 | 59 | 6 | 0 | 1 | 0 |
| BROWNSVILLE | 97 | 76 | 98 | 74 | 86 | 2 | T | -.2 | T | .2 | 5 | 14.4 | 137 | 90 | 43 | 7 | 0 | 1 | 1 |
| CORPUS CHRISTI | 95 | 74 | 96 | 73 | 84 | -1 | 0 | -.4 | 0 | .8 | 19 | 14.6 | 108 | 95 | 47 | 7 | 0 | 0 | 0 |
| DEL RIO | 99 | 75 | 101 | 72 | 87 | 0 | .2 | 0 | .2 | 3.3 | 114 | 8.1 | 89 | 76 | 30 | 7 | 0 | 1 | 0 |
| EL PASO | 99 | 70 | 101 | 67 | 85 | 3 | .1 | -.3 | -.1 | 1.1 | 55 | 2.2 | 59 | 62 | 22 | 7 | 0 | 0 | 0 |
| FORT WORTH | 98 | 76 | 100 | 74 | 87 | 2 | 0 | -.4 | 0 | 6.6 | 140 | 28.8 | 152 | 74 | 34 | 7 | 0 | 2 | 0 |
| GALVESTON | 90 | 79 | 91 | 77 | 84 | 1 | T | -.9 | T | 4.7 | 60 | 16.9 | 82 | 86 | 62 | 4 | 0 | 1 | 0 |
| HOUSTON | 96 | 73 | 97 | 72 | 85 | 1 | .4 | -.5 | .3 | 5.1 | 64 | 19.2 | 76 | 92 | 46 | 7 | 0 | 2 | 0 |
| LUBBOCK | 95 | 70 | 96 | 68 | 83 | 2 | 0 | -.5 | 0 | 6.2 | 127 | 14.2 | 133 | 66 | 29 | 7 | 0 | 0 | 0 |
| MIDLAND | 95 | 69 | 97 | 66 | 82 | 0 | 0 | -.4 | 0 | 4.5 | 145 | 9.3 | 126 | 75 | 27 | 7 | 0 | 0 | 0 |
| SAN ANGELO | 96 | 70 | 97 | 67 | 83 | -2 | T | -.3 | T | 6.4 | 206 | 14.4 | 150 | 82 | 32 | 7 | 0 | 0 | 0 |
| SAN ANTONIO | 97 | 74 | 98 | 72 | 86 | 1 | .1 | -.2 | .1 | 1.5 | 35 | 11.8 | 83 | 91 | 38 | 7 | 0 | 1 | 0 |
| VICTORIA | 97 | 75 | 99 | 74 | 86 | 1 | T | -.2 | T | .2 | 3 | 16.2 | 92 | 89 | 38 | 7 | 0 | 0 | 0 |
| WACO | 98 | 75 | 102 | 74 | 87 | 1 | 0 | -.3 | 0 | 6.3 | 154 | 21.4 | 118 | 84 | 38 | 7 | 0 | 0 | 0 |
| WICHITA FALLS | 99 | 71 | 102 | 70 | 85 | -1 | T | -.4 | T | 8.0 | 145 | 28.9 | 182 | 87 | 34 | 7 | 0 | 0 | 0 |
| UT BLANDING | 92 | 59 | 98 | 55 | 78 | 4 | .9 | -.2 | -.8 | 1.1 | 52 | 5.7 | 90 | 65 | 22 | 5 | 0 | 2 | 1 |
| CEDAR CITY | 92 | 61 | 99 | 57 | 77 | 3 | .6 | -.4 | .5 | 1.0 | 91 | 7.7 | 154 | 56 | 20 | 6 | 0 | 2 | 1 |
| SALT LAKE CITY | 96 | 69 | 100 | 60 | 83 | 4 | -.1 | -.1 | T | 1.8 | 95 | 9.3 | 103 | 38 | 17 | 7 | 0 | 2 | 1 |
| VT BURLINGTON | 83 | 57 | 96 | 47 | 70 | 0 | T | -.8 | T | 5.3 | 80 | 16.3 | 96 | 89 | 37 | 1 | 0 | 2 | 0 |
| VA NORFOLK | 89 | 72 | 92 | 66 | 80 | 1 | .7 | -.6 | .6 | 8.5 | 101 | 25.2 | 108 | 90 | 51 | 5 | 0 | 0 | 0 |
| RICHMOND | 89 | 71 | 94 | 65 | 80 | 2 | 1.7 | -.3 | 1.7 | 13.8 | 162 | 29.4 | 128 | 97 | 59 | 4 | 0 | 3 | 1 |
| ROANOKE | 87 | 67 | 90 | 64 | 77 | 1 | 1.4 | -.6 | .8 | 9.1 | 140 | 26.6 | 127 | 93 | 54 | 1 | 0 | 2 | 0 |
| WA COLVILLE | 84 | 50 | 88 | 42 | 67 | -2 | 0 | -.1 | 0 | 3.1 | 141 | 11.4 | 127 | 71 | 35 | 0 | 0 | 2 | 2 |
| QUILLAYUTE | 66 | 50 | 74 | 44 | 58 | -1 | .2 | -.3 | -.1 | 3.9 | 70 | 64.2 | 122 | 97 | 53 | 0 | 0 | 0 | 0 |
| SEATTLE-TACOMA | 71 | 54 | 82 | 51 | 62 | -3 | T | -.1 | T | 1.6 | 76 | 21.0 | 110 | 91 | 52 | 0 | 0 | 3 | 0 |
| SPOKANE | 84 | 54 | 87 | 44 | 69 | -2 | 0 | -.1 | 0 | 2.0 | 111 | 9.2 | 97 | 70 | 23 | 0 | 0 | 0 | 0 |
| YAKIMA | 87 | 50 | 93 | 42 | 68 | -4 | 0 | 0 | 0 | 1.8 | 200 | 4.9 | 111 | 81 | 23 | 3 | 0 | 0 | 0 |
| WV BECKLEY | 80 | 63 | 84 | 60 | 71 | 1 | .9 | -.1 | .6 | 8.4 | 108 | 24.6 | 98 | 98 | 64 | 0 | 0 | 4 | 1 |
| CHARLESTON | 87 | 67 | 92 | 66 | 77 | 2 | .9 | -.3 | .6 | 9.6 | 125 | 27.6 | 115 | 100 | 60 | 2 | 0 | 3 | 1 |
| HUNTINGTON | 85 | 66 | 88 | 62 | 76 | 0 | 1.5 | -.5 | 1.0 | 9.0 | 127 | 26.8 | 115 | 100 | 64 | 0 | 0 | 3 | 1 |
| PARKERSBURG | 86 | 69 | 89 | 64 | 78 | 3 | 1.0 | 0 | .7 | 7.6 | 90 | 22.4 | 86 | 92 | 54 | 0 | 0 | 2 | 1 |
| WI GREEN BAY | 80 | 58 | 84 | 55 | 69 | -1 | 1.9 | 1.3 | 1.9 | 6.5 | 108 | 15.3 | 105 | 94 | 53 | 0 | 0 | 2 | 1 |
| MADISON | 85 | 64 | 88 | 61 | 74 | 1 | .5 | -.4 | .4 | 3.0 | 40 | 11.6 | 69 | 98 | 56 | 0 | 0 | 1 | 1 |
| MILWAUKEE | 82 | 58 | 84 | 53 | 70 | -1 | 2.2 | 1.4 | 1.4 | 6.6 | 88 | 17.9 | 107 | 97 | 54 | 0 | 0 | 2 | 2 |
| WAUSAU | 77 | 61 | 85 | 58 | 69 | -2 | 1.7 | 1.0 | 1.1 | 6.8 | 103 | 20.4 | 124 | 92 | 62 | 0 | 0 | 3 | 0 |
| WY CASPER | 81 | 59 | 83 | 56 | 70 | 1 | T | -.8 | T | 10.9 | 140 | 21.6 | 126 | 89 | 47 | 0 | 0 | 2 | 2 |
| CHEYENNE | 96 | 57 | 100 | 47 | 77 | 5 | 1.0 | -.8 | 1.0 | 5.5 | 229 | 10.2 | 140 | 58 | 13 | 7 | 0 | 2 | 1 |
| LANDER | 93 | 61 | 99 | 52 | 77 | 5 | T | -.4 | 0 | 5.3 | 139 | 10.0 | 109 | 56 | 16 | 5 | 0 | 0 | 1 |
| SHERIDAN | 94 | 55 | 102 | 43 | 74 | 3 | 0 | -.1 | T | 1.4 | 56 | 4.9 | 53 | 46 | 17 | 6 | 0 | 1 | 0 |
| PR SAN JUAN | 89 | 77 | 90 | 75 | 83 | 2 | 1.0 | -.5 | .7 | 4.8 | 117 | 9.5 | 90 | 70 | 22 | 5 | 0 | 1 | 0 |
| | | | | | | | | | | 7.0 | 64 | 28.5 | 103 | 88 | 64 | 2 | 0 | 4 | 1 |

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

CORRECTION: PREVIOUS WEEK

Weather Data for the Week Ending July 17, 1982

| STATES AND STATIONS | TEMPERATURE °F | | | | | | PRECIPITATION | | | | | | RELATIVE HUMIDITY, PERCENT | | NUMBER OF DAYS | | | | |
|---------------------------|--------------------|--------------------|-----------------|----------------|---------|--------------------------|----------------------|--------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------|--------------------|----------------|--------------|---------------------|---------------------|
| | AVERAGE MAXIMUM | AVERAGE MINIMUM | EXTREME HIGH | EXTREME LOW | AVERAGE | DEPARTURE FROM NORMAL | WEEKLY TOTAL, IN. | DEPARTURE FROM NORMAL | GREATEST IN 24-HOUR, IN. | TOTAL, IN., SINCE May 30 | PCT. NORMAL SINCE May 30 | TOTAL, IN., SINCE Jan. 1 | PCT. NORMAL SINCE Jan. 1 | AVERAGE MAXIMUM | AVERAGE MINIMUM | TEMPERATURE °F | | | |
| | | | | | | | | | | | | | | | | 90 AND ABOVE | 82 AND BELOW | .01 INCH OR MORE | .50 INCH OR MORE |
| AL BIRMINGHAM | 88 | 69 | 90 | 68 | 78 | -2 | 3.7 | 2.5 | 2.0 | 13.6 | 189 | 39.9 | 133 | 98 | 59 | 2 | 0 | 6 | 2 |
| MOBILE | 88 | 72 | 90 | 70 | 80 | -2 | 8.3 | 6.2 | 3.6 | 20.7 | 180 | 45.4 | 126 | 89 | 57 | 1 | 0 | 6 | 5 |
| MONTGOMERY | 90 | 72 | 92 | 70 | 81 | 0 | 1.3 | .1 | 1.0 | 8.0 | 110 | 38.1 | 137 | 85 | 54 | 3 | 0 | 3 | 1 |
| AK ANCHORAGE | 61 | 49 | 63 | 45 | 55 | -3 | .6 | .2 | .5 | 2.3 | 100 | 4.2 | 78 | 82 | 52 | 0 | 0 | 3 | 1 |
| BARROW | 41 | 34 | 44 | 32 | 38 | -1 | 0 | .2 | 0 | .4 | 57 | 2.0 | 111 | 97 | 83 | 0 | 3 | 0 | 0 |
| FAIRBANKS | 72 | 53 | 78 | 47 | 63 | -1 | .9 | .4 | .5 | 3.3 | 122 | 6.3 | 124 | 92 | 49 | 0 | 0 | 6 | 1 |
| JUNEAU | 59 | 51 | 63 | 49 | 55 | -1 | .7 | .3 | .2 | 3.1 | 54 | 21.2 | 97 | 79 | 65 | 0 | 0 | 7 | 0 |
| KODIAK | 59 | 49 | 65 | 45 | 54 | 0 | .3 | .5 | .2 | 11.1 | 173 | 33.6 | 124 | 96 | 67 | 0 | 0 | 2 | 0 |
| NOME | 67 | 52 | 72 | 50 | 60 | 10 | .3 | .3 | .1 | 2.5 | 114 | 8.1 | 135 | 82 | 55 | 0 | 0 | 4 | 0 |
| AZ PHOENIX | 111 | 84 | 114 | 78 | 97 | 6 | T | .1 | T | .2 | 50 | 3.5 | 125 | 36 | 13 | 7 | 0 | 0 | 0 |
| PRESOTT | 94 | 65 | 99 | 60 | 80 | 4 | 0 | .7 | 0 | .2 | 9 | 6.6 | 84 | 35 | 14 | 5 | 0 | 0 | 0 |
| TUCSON | 103 | 74 | 106 | 72 | 89 | 2 | .1 | .4 | .1 | .7 | 50 | 4.1 | 98 | 51 | 15 | 7 | 0 | 2 | 0 |
| YUMA | 109 | 82 | 111 | 79 | 96 | 2 | 0 | 0 | 0 | 0 | +100 | 1.6 | 160 | 41 | 14 | 7 | 0 | 0 | 0 |
| AR FORT SMITH | 91 | 71 | 93 | 66 | 81 | -1 | 0 | .7 | 0 | 7.7 | 128 | 27.4 | 112 | 93 | 50 | 6 | 0 | 0 | 0 |
| LITTLE ROCK | 92 | 72 | 95 | 67 | 82 | 1 | 0 | .7 | 0 | 5.8 | 114 | 30.6 | 112 | 82 | 51 | 6 | 0 | 0 | 0 |
| CA BAKERSFIELD | 103 | 76 | 107 | 68 | 90 | 5 | 0 | 0 | 0 | 0 | +100 | 4.3 | 116 | 42 | 17 | 7 | 0 | 0 | 0 |
| EUREKA | 67 | 54 | 71 | 49 | 60 | 4 | T | 0 | T | .8 | 114 | 24.4 | 110 | 91 | 67 | 0 | 0 | 1 | 0 |
| FRESNO | 99 | 67 | 102 | 58 | 83 | 2 | 0 | 0 | 0 | .3 | 300 | 8.6 | 137 | 66 | 18 | 7 | 0 | 0 | 0 |
| LOS ANGELES | 74 | 62 | 76 | 61 | 68 | 0 | 0 | 0 | 0 | 0 | +100 | 8.6 | 115 | 87 | 63 | 0 | 0 | 0 | 0 |
| RED BLUFF | 96 | 67 | 103 | 58 | 81 | -1 | 0 | 0 | 0 | 1.8 | 360 | 12.8 | 99 | 65 | 19 | 6 | 0 | 0 | 0 |
| SACRAMENTO | 90 | 59 | 97 | 52 | 75 | 0 | 0 | 0 | 0 | .1 | 100 | 18.1 | 156 | 73 | 30 | 5 | 0 | 0 | 0 |
| SAN DIEGO | 75 | 66 | 77 | 65 | 70 | 1 | 0 | 0 | 0 | 0 | +100 | 9.0 | 161 | 83 | 63 | 0 | 0 | 0 | 0 |
| SAN FRANCISCO | 74 | 53 | 84 | 50 | 64 | 1 | T | 0 | T | .1 | 100 | 22.6 | 200 | 85 | 50 | 0 | 0 | 0 | 0 |
| CO DENVER | 88 | 56 | 95 | 53 | 72 | -1 | T | .4 | T | 3.0 | 100 | 7.2 | 78 | 68 | 13 | 7 | 0 | 0 | 0 |
| GRAND JUNCTION | 98 | 66 | 100 | 62 | 82 | 3 | T | .1 | T | .4 | 67 | 2.7 | 68 | 42 | 13 | 7 | 0 | 0 | 0 |
| PUEBLO | 92 | 62 | 98 | 57 | 77 | 1 | 0 | .4 | 0 | 2.5 | 104 | 5.5 | 85 | 73 | 21 | 4 | 0 | 0 | 0 |
| CT BRIDGEPORT | 84 | 67 | 90 | 62 | 76 | 2 | 1.7 | .9 | 1.7 | 12.8 | 278 | 30.2 | 155 | 97 | 56 | 1 | 0 | 1 | 1 |
| HARTFORD | 90 | 65 | 96 | 60 | 78 | 5 | T | .7 | T | 13.7 | 254 | 30.9 | 144 | 87 | 41 | 4 | 0 | 1 | 0 |
| DC WASHINGTON | 90 | 75 | 94 | 74 | 83 | 4 | .2 | .7 | .1 | 7.1 | 118 | 22.5 | 113 | 83 | 51 | 4 | 0 | 3 | 0 |
| FL APALACHICOLA | 89 | 73 | 91 | 72 | 81 | 0 | 2.4 | .6 | 1.5 | 9.1 | 90 | 30.5 | 114 | 99 | 76 | 4 | 0 | 4 | 2 |
| DAYTONA BEACH | 88 | 72 | 90 | 71 | 80 | -1 | .1 | 1.4 | .1 | 10.1 | 98 | 29.1 | 128 | 94 | 63 | 2 | 0 | 1 | 0 |
| JACKSONVILLE | 92 | 73 | 95 | 72 | 82 | 1 | .7 | 1.0 | .3 | 12.2 | 114 | 27.0 | 104 | 98 | 66 | 5 | 0 | 4 | 0 |
| KEY WEST | 90 | 79 | 91 | 77 | 84 | -1 | .8 | .2 | .7 | 10.9 | 149 | 23.7 | 145 | 83 | 61 | 4 | 0 | 4 | 0 |
| MIAMI | 90 | 77 | 91 | 75 | 83 | 1 | 1.0 | .6 | .3 | 15.5 | 117 | 36.9 | 132 | 90 | 57 | 5 | 0 | 2 | 0 |
| ORLANDO | 92 | 74 | 94 | 74 | 83 | 2 | .2 | 1.8 | .1 | 13.2 | 105 | 30.1 | 117 | 87 | 51 | 6 | 0 | 2 | 0 |
| TALLAHASSEE | 91 | 72 | 93 | 71 | 81 | 0 | 3.9 | 1.8 | 1.6 | 15.3 | 125 | 35.9 | 108 | 98 | 59 | 6 | 0 | 5 | 2 |
| TAMPA | 91 | 75 | 93 | 73 | 83 | 1 | 3.0 | 1.1 | 1.7 | 19.6 | 172 | 31.1 | 129 | 94 | 55 | 6 | 0 | 4 | 2 |
| WEST PALM BEACH | 88 | 77 | 90 | 74 | 83 | 0 | .5 | 1.0 | .3 | 11.7 | 95 | 46.6 | 165 | 86 | 57 | 2 | 0 | 2 | 0 |
| GA ATLANTA | 87 | 69 | 94 | 67 | 78 | 0 | 1.3 | .2 | .6 | 9.3 | 139 | 33.4 | 118 | 98 | 57 | 1 | 0 | 5 | 1 |
| AUGUSTA | 91 | 73 | 93 | 71 | 82 | 2 | 1.4 | .2 | 1.2 | 6.0 | 88 | 23.9 | 98 | 89 | 58 | 6 | 0 | 2 | 1 |
| MACON | 89 | 73 | 91 | 72 | 81 | 0 | .8 | .3 | .3 | 4.9 | 72 | 27.9 | 109 | 94 | 63 | 3 | 0 | 7 | 0 |
| SAVANNAH | 87 | 73 | 89 | 72 | 80 | -1 | 1.3 | .6 | .5 | 15.2 | 138 | 31.0 | 114 | 96 | 61 | 0 | 0 | 5 | 0 |
| HI HILO | 82 | 70 | 85 | 68 | 76 | 1 | 10.6 | 8.4 | 5.2 | 23.6 | 193 | 105.4 | 158 | 95 | 69 | 0 | 0 | 7 | 4 |
| HONOLULU | 87 | 74 | 89 | 72 | 81 | 1 | T | .1 | T | .7 | 88 | 20.8 | 166 | 76 | 52 | 0 | 0 | 3 | 0 |
| KAHULUI | 89 | 74 | 92 | 73 | 81 | 3 | .1 | .1 | .1 | .6 | 120 | 21.0 | 194 | 76 | 49 | 2 | 0 | 3 | 0 |
| LIHUE | 85 | 75 | 87 | 73 | 80 | 2 | .6 | .2 | .2 | 3.5 | 135 | 41.6 | 190 | 92 | 69 | 0 | 0 | 6 | 0 |
| ID BOISE | 84 | 53 | 93 | 47 | 68 | -6 | .2 | .2 | .2 | 1.7 | 131 | 7.2 | 99 | 77 | 23 | 3 | 0 | 1 | 0 |
| LEWISTON | 83 | 57 | 95 | 49 | 70 | -4 | T | .1 | T | 1.1 | 50 | 6.5 | 88 | 84 | 30 | 3 | 0 | 1 | 0 |
| POCATELLO | 84 | 53 | 95 | 49 | 68 | -3 | T | 0 | T | .8 | 53 | 7.2 | 106 | 79 | 26 | 3 | 0 | 2 | 0 |
| IL CHICAGO | 87 | 66 | 93 | 56 | 76 | 4 | .5 | .3 | .4 | 5.9 | 92 | 18.6 | 104 | 91 | 50 | 2 | 0 | 2 | 0 |
| MOLINE | 85 | 67 | 91 | 59 | 76 | 2 | .6 | .5 | .4 | 9.7 | 129 | 24.2 | 128 | 93 | 58 | 1 | 0 | 5 | 0 |
| PEORIA | 86 | 68 | 92 | 59 | 77 | 2 | .3 | .6 | .2 | 7.7 | 122 | 24.8 | 127 | 89 | 59 | 1 | 0 | 3 | 0 |
| QUINCY | 83 | 68 | 88 | 62 | 76 | -3 | .2 | .8 | .2 | 9.9 | 136 | 24.9 | — | 97 | 68 | 0 | 0 | 2 | 0 |
| ROCKFORD | 85 | 68 | 91 | 59 | 77 | 4 | 1.0 | 0 | .5 | 8.4 | 120 | 21.5 | 111 | 91 | 58 | 1 | 0 | 3 | 0 |
| SPRINGFIELD | 88 | 69 | 95 | 59 | 78 | 2 | .3 | .6 | .2 | 4.9 | 74 | 20.9 | 111 | 91 | 60 | 3 | 0 | 2 | 0 |
| IN EVANSVILLE | 89 | 67 | 94 | 63 | 78 | 0 | 0 | .9 | 0 | 5.3 | 85 | 27.8 | 113 | 95 | 47 | 3 | 0 | 1 | 0 |
| FORT WAYNE | 86 | 64 | 91 | 59 | 75 | 2 | T | .9 | T | 6.7 | 106 | 24.9 | 123 | 91 | 50 | 2 | 0 | 1 | 0 |
| INDIANAPOLIS | 86 | 66 | 91 | 61 | 76 | 1 | 0 | .8 | 0 | 7.2 | 107 | 26.9 | 122 | 90 | 53 | 2 | 0 | 0 | 0 |
| SOUTH BEND | 82 | 67 | 89 | 61 | 75 | 3 | 2.8 | 2.0 | 1.5 | 9.1 | 152 | 24.4 | 130 | 94 | 60 | 0 | 0 | 3 | 2 |
| IA DES MOINES | 88 | 68 | 91 | 63 | 78 | 3 | 1.7 | 1.0 | 1.1 | 7.0 | 97 | 24.5 | 138 | 83 | 53 | 4 | 0 | 6 | 1 |
| SIOUX CITY | 86 | 65 | 92 | 59 | 75 | 0 | 1.0 | .2 | .8 | 5.8 | 85 | 16.2 | 106 | 89 | 56 | 1 | 0 | 2 | 1 |
| WATERLOO | 87 | 66 | 92 | 60 | 77 | 4 | .5 | .6 | .2 | 6.7 | 84 | 20.3 | 111 | 86 | 49 | 1 | 0 | 3 | 0 |
| KS CONCORDIA | 93 | 71 | 99 | 64 | 82 | 4 | .1 | .7 | .1 | 15.0 | 208 | 28.0 | 175 | 78 | 40 | 6 | 0 | 3 | 0 |
| DODGE CITY | 92 | 69 | 101 | 64 | 81 | 2 | .6 | .1 | .6 | 6.9 | 135 | 12.5 | 110 | 76 | 39 | 5 | 0 | 2 | 1 |
| GOODLAND | 87 | 61 | 98 | 54 | 74 | -2 | 1.4 | .8 | .7 | 12.6 | 286 | 19.2 | 202 | 83 | 35 | 3 | 0 | 3 | 2 |
| TOPEKA | 90 | 71 | 95 | 63 | 80 | 2 | .5 | .4 | .4 | 12.2 | 142 | 25.3 | 130 | 88 | 53 | 4 | 0 | 2 | 0 |
| WICHITA | 92 | 71 | 100 | 64 | 82 | 1 | T | 1.0 | T | 9.2 | 128 | 21.6 | 133 | 79 | 38 | 4 | 0 | 0 | 0 |
| KY BOWLING GREEN | 85 | 66 | 88 | 63 | 76 | -4 | 1.6 | .7 | 1.6 | 5.3 | 84 | 25.5 | 90 | 100 | 53 | 0 | 0 | 1 | 1 |
| LEXINGTON | 86 | 66 | 89 | 60 | 76 | 0 | 1.1 | 0 | 1.0 | 6.5 | 90 | 22.3 | 86 | 88 | 50 | 0 | 0 | 3 | 1 |
| LOUISVILLE | 87 | 68 | 91 | 64 | 77 | 0 | .7 | .2 | .6 | 6.1 | 92 | 24.2 | 94 | 89 | 49 | 2 | 0 | 2 | 1 |
| LA ALEXANDRIA | 93 | 73 | 95 | 70 | 83 | 0 | .7 | .4 | .5 | 7.0 | 100 | 24.5 | — | | | | | | |

CORRECTION: PREVIOUS WEEK

Weather Data for the Week Ending July 17, 1982

| STATES AND STATIONS | TEMPERATURE °F | | | | | | PRECIPITATION | | | | | | RELATIVE HUMIDITY, PERCENT | | NUMBER OF DAYS | | | | |
|---------------------------|--------------------|--------------------|-----------------|----------------|---------|--------------------------|----------------------|--------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------|--------------------|---------------------|--------------|---------------------|---------------------|
| | AVERAGE MAXIMUM | AVERAGE MINIMUM | EXTREME HIGH | EXTREME LOW | AVERAGE | DEPARTURE FROM NORMAL | WEEKLY TOTAL, IN. | DEPARTURE FROM NORMAL | GREATEST IN 24-HOUR, IN. | TOTAL, IN., SINCE May 30 | PCT. NORMAL SINCE May 30 | TOTAL, IN., SINCE Jan. 1 | PCT. NORMAL SINCE Jan. 1 | AVERAGE MAXIMUM | AVERAGE MINIMUM | TEMPERA- TURE °F | | PRECIPI- TATION | |
| | | | | | | | | | | | | | | | | 90 AND ABOVE | 32 AND BELOW | .01 INCH OR MORE | .50 INCH OR MORE |
| ME SHREVEPORT | 94 | 72 | 95 | 70 | 83 | 0 | .6 | .1 | .3 | 2.5 | 47 | 16.9 | 65 | 96 | 49 | 7 | 0 | 3 | 0 |
| ME CARIBOU | 85 | 56 | 90 | 44 | 71 | 6 | T | T | T | 3.2 | 54 | 15.0 | 89 | 87 | 39 | 1 | 0 | 0 | 0 |
| ME PORTLAND | 82 | 59 | 90 | 55 | 70 | 2 | T | T | T | 6.8 | 111 | 22.7 | 107 | 88 | 55 | 3 | 0 | 1 | 0 |
| MD BALTIMORE | 89 | 70 | 94 | 69 | 80 | 3 | .2 | .7 | .2 | 7.5 | 160 | 25.1 | 120 | 93 | 49 | 1 | 0 | 0 | 0 |
| MD SALISBURY | 89 | 73 | 92 | 72 | 81 | 4 | .1 | .8 | .1 | 6.0 | 100 | 22.2 | 100 | 99 | 62 | 4 | 0 | 1 | 0 |
| MA BOSTON | 86 | 68 | 97 | 62 | 77 | 4 | T | T | T | 13.9 | 290 | 29.3 | 133 | 83 | 46 | 3 | 0 | 0 | 0 |
| MA CHATHAM | 76 | 62 | 84 | 59 | 69 | 1 | T | T | T | 5.5 | 105 | 12.0 | 90 | 92 | 45 | 1 | 0 | 4 | 0 |
| MI ALPENA | 84 | 55 | 94 | 43 | 70 | 4 | .7 | .2 | .3 | 4.5 | 101 | 17.2 | 101 | 93 | 48 | 1 | 0 | 2 | 0 |
| MI DETROIT | 86 | 63 | 91 | 60 | 75 | 3 | T | T | T | 5.1 | 96 | 12.0 | 90 | 92 | 45 | 1 | 0 | 4 | 0 |
| MI FLINT | 85 | 63 | 88 | 57 | 74 | 4 | 1.4 | .8 | 1.1 | 5.5 | 106 | 12.9 | 83 | 92 | 53 | 0 | 0 | 3 | 1 |
| MI GRAND RAPIDS | 85 | 64 | 91 | 59 | 75 | 3 | 1.3 | .6 | .6 | 5.6 | 104 | 17.6 | 105 | 82 | 50 | 2 | 0 | 4 | 2 |
| MI HOUGHTON LAKE | 80 | 60 | 86 | 49 | 70 | 4 | .7 | 0 | .4 | 5.9 | 109 | 16.2 | 114 | 93 | 58 | 0 | 0 | 4 | 0 |
| MI LANSING | 85 | 62 | 91 | 54 | 74 | 3 | 1.1 | .5 | 1.0 | 5.5 | 106 | 13.5 | 81 | 99 | 54 | 2 | 0 | 2 | 1 |
| MI MARQUETTE | 78 | 57 | 85 | 53 | 67 | 3 | 2.6 | 1.7 | 1.8 | 4.8 | 72 | 18.2 | 105 | 98 | 60 | 0 | 0 | 5 | 1 |
| MI MUSKEGON | 82 | 64 | 90 | 58 | 73 | 3 | .6 | 0 | .4 | 4.7 | 112 | 17.5 | 113 | 93 | 56 | 1 | 0 | 2 | 0 |
| MN SAULT STE. MARIE | 75 | 53 | 83 | 39 | 64 | 0 | 1.2 | .6 | .5 | 3.0 | 60 | 16.4 | 112 | 93 | 58 | 0 | 0 | 6 | 0 |
| MN ALEXANDRIA | 82 | 63 | 85 | 56 | 73 | 3 | 1.2 | .5 | .8 | 7.4 | 119 | 16.8 | 126 | 97 | 55 | 0 | 0 | 3 | 1 |
| MN DULUTH | 74 | 57 | 80 | 54 | 66 | 0 | .4 | .5 | .3 | 5.6 | 82 | 16.4 | 105 | 90 | 56 | 0 | 0 | 3 | 0 |
| MN INT'L FALLS | 80 | 59 | 84 | 53 | 70 | 3 | .1 | .8 | .1 | 4.2 | 65 | 11.7 | 89 | 99 | 58 | 0 | 0 | 1 | 0 |
| MN MINNEAPOLIS | 87 | 66 | 91 | 61 | 76 | 4 | T | .8 | T | 2.6 | 40 | 13.9 | 99 | 99 | 58 | 0 | 0 | 3 | 0 |
| MN ROCHESTER | 83 | 63 | 87 | 57 | 73 | 3 | 1.3 | .5 | 1.2 | 4.3 | 60 | 18.3 | 84 | 42 | 2 | 0 | 0 | 0 | 0 |
| MS GREENWOOD | 93 | 73 | 94 | 72 | 83 | 1 | .5 | .5 | .2 | 7.2 | 120 | 31.7 | 119 | 94 | 61 | 0 | 0 | 2 | 1 |
| MS JACKSON | 91 | 72 | 93 | 70 | 82 | 0 | 2.5 | 1.5 | 2.0 | 11.0 | 183 | 32.8 | 118 | 90 | 50 | 6 | 0 | 3 | 0 |
| MS MERIDIAN | 92 | 70 | 95 | 69 | 81 | 0 | 3.1 | 1.9 | 1.4 | 8.0 | 116 | 31.5 | 107 | 93 | 57 | 7 | 0 | 6 | 2 |
| MO CAPE GIRARDEAU | 90 | 68 | 95 | 63 | 79 | 0 | .2 | .4 | .2 | 8.2 | 139 | 31.2 | 131 | 97 | 48 | 3 | 0 | 1 | 0 |
| MO COLUMBIA | 87 | 68 | 92 | 63 | 78 | 1 | .3 | .6 | .3 | 9.5 | 134 | 23.7 | 119 | 93 | 57 | 3 | 0 | 1 | 0 |
| MO KANSAS CITY | 90 | 70 | 96 | 63 | 80 | 2 | .2 | .8 | .1 | 10.2 | 121 | 25.9 | 130 | 87 | 52 | 3 | 0 | 4 | 0 |
| MO SAINT LOUIS | 87 | 70 | 93 | 63 | 79 | 0 | T | .8 | T | 14.7 | 213 | 30.4 | 149 | 88 | 53 | 2 | 0 | 0 | 0 |
| MO SPRINGFIELD | 91 | 68 | 97 | 62 | 80 | 2 | .4 | .4 | .4 | 7.6 | 106 | 22.1 | 101 | 92 | 47 | 5 | 0 | 1 | 0 |
| MT BILLINGS | 82 | 55 | 89 | 45 | 68 | -4 | .1 | .1 | .1 | 5.8 | 181 | 12.8 | 144 | 78 | 31 | 0 | 0 | 1 | 0 |
| MT GLASGOW | 81 | 56 | 89 | 45 | 69 | -2 | .7 | .4 | .5 | 1.9 | 54 | 7.7 | 124 | 76 | 31 | 0 | 0 | 4 | 0 |
| MT GREAT FALLS | 78 | 50 | 86 | 44 | 64 | -5 | .2 | .1 | .1 | 3.6 | 88 | 12.3 | 124 | 78 | 29 | 0 | 0 | 3 | 0 |
| MT HAVRE | 77 | 54 | 86 | 46 | 65 | -5 | .2 | .1 | .2 | 1.2 | 35 | 9.0 | 125 | 80 | 31 | 0 | 0 | 1 | 0 |
| MT HELENA | 79 | 50 | 85 | 40 | 65 | -4 | .4 | .2 | .3 | 3.4 | 103 | 8.7 | 123 | 77 | 30 | 0 | 0 | 4 | 0 |
| MT KALISPELL | 71 | 45 | 82 | 29 | 58 | -7 | .7 | .5 | .4 | 5.4 | 174 | 12.7 | 146 | 97 | 46 | 0 | 1 | 5 | 0 |
| MT MILES CITY | 84 | 60 | 91 | 48 | 72 | -3 | .1 | .3 | .1 | 5.5 | 125 | 10.1 | 115 | 75 | 29 | 3 | 0 | 1 | 0 |
| MT MISSOULA | 76 | 48 | 85 | 37 | 62 | -5 | .3 | .1 | .1 | 2.8 | 104 | 11.1 | 150 | 98 | 39 | 0 | 0 | 5 | 0 |
| NE GRAND ISLAND | 88 | 65 | 96 | 58 | 76 | 0 | T | .7 | T | 5.4 | 83 | 20.7 | 143 | 90 | 44 | 2 | 0 | 1 | 0 |
| NE LINCOLN | 91 | 69 | 97 | 64 | 80 | 3 | T | .7 | T | 9.5 | 134 | 21.7 | 137 | 87 | 46 | 6 | 0 | 1 | 0 |
| NE NORFOLK | 86 | 64 | 92 | 58 | 75 | -1 | .6 | .1 | .6 | 4.6 | 66 | 16.9 | 114 | 85 | 45 | 1 | 0 | 1 | 1 |
| NE NORTH PLATTE | 87 | 58 | 93 | 52 | 73 | -2 | .2 | .6 | .2 | 6.5 | 89 | 21.8 | 131 | 86 | 57 | 1 | 0 | 2 | 0 |
| NE OMAHA | 86 | 69 | 92 | 61 | 78 | 2 | .6 | .2 | .6 | 7.8 | 195 | 12.2 | 130 | 75 | 27 | 3 | 0 | 1 | 1 |
| NE SCOTTSBLUFF | 86 | 56 | 94 | 50 | 71 | -3 | .6 | .2 | .6 | 7.8 | 195 | 12.2 | 130 | 75 | 27 | 3 | 0 | 1 | 1 |
| NE VALENTINE | 90 | 58 | 100 | 52 | 74 | 0 | 1.7 | 1.1 | 1.4 | 5.0 | 98 | 13.8 | 130 | 81 | 29 | 4 | 0 | 3 | 1 |
| NV ELY | 90 | 47 | 92 | 45 | 69 | 1 | 0 | .1 | 0 | .4 | 31 | 6.1 | 122 | 48 | 13 | 5 | 0 | 0 | 0 |
| NV LAS VEGAS | 106 | 76 | 109 | 73 | 91 | 1 | 0 | .1 | 0 | 1.0 | 200 | 4.2 | 98 | 68 | 15 | 5 | 0 | 0 | 0 |
| NV RENO | 93 | 51 | 98 | 48 | 72 | 3 | 0 | .1 | 0 | 2.3 | 177 | 4.6 | 85 | 54 | 12 | 3 | 0 | 0 | 0 |
| NV WINNEMUCCA | 92 | 51 | 97 | 42 | 71 | 0 | .1 | .1 | 0 | 8.1 | 150 | 22.4 | 123 | 85 | 38 | 2 | 0 | 1 | 0 |
| NH CONCORD | 88 | 60 | 95 | 54 | 74 | 4 | 1.1 | .2 | 1.1 | 5.3 | 91 | 19.5 | 86 | 92 | 58 | 4 | 0 | 1 | 0 |
| NJ ATLANTIC CITY | 89 | 72 | 90 | 70 | 80 | 5 | T | .3 | T | .1 | 7 | 2.0 | 57 | 50 | 14 | 7 | 0 | 1 | 1 |
| NM ALBUQUERQUE | 98 | 66 | 100 | 62 | 82 | 3 | 1.0 | .4 | 1.0 | 4.4 | 105 | 7.3 | 77 | 37 | 4 | 0 | 1 | 1 | 1 |
| NM CLOVIS | 90 | 66 | 96 | 58 | 78 | 0 | .8 | .3 | .8 | 1.7 | 63 | 3.3 | 56 | 78 | 29 | 6 | 0 | 1 | 1 |
| NY BINGHAMTON | 83 | 65 | 88 | 60 | 74 | 5 | .2 | .1 | .6 | 7.4 | 151 | 20.8 | 125 | 98 | 41 | 2 | 0 | 2 | 1 |
| NY BUFFALO | 86 | 64 | 93 | 54 | 75 | 5 | .4 | .2 | .4 | 8.3 | 143 | 21.8 | 114 | 92 | 48 | 0 | 0 | 2 | 0 |
| NY NEW YORK | 86 | 71 | 93 | 68 | 79 | 2 | T | .8 | T | 4.7 | 92 | 20.3 | 98 | 88 | 41 | 2 | 0 | 1 | 0 |
| NY ROCHESTER | 86 | 65 | 94 | 54 | 75 | 4 | .6 | 0 | .4 | 5.0 | 116 | 15.3 | 94 | 87 | 51 | 2 | 0 | 0 | 0 |
| NY SYRACUSE | 85 | 61 | 91 | 50 | 73 | 1 | .1 | .6 | .1 | 6.3 | 129 | 18.0 | 97 | 94 | 47 | 2 | 0 | 1 | 0 |
| NC ASHEVILLE | 84 | 66 | 85 | 64 | 75 | 2 | 2.5 | 1.4 | 1.5 | 7.0 | 101 | 28.3 | 117 | 99 | 63 | 0 | 0 | 5 | 2 |
| NC CHARLOTTE | 86 | 70 | 88 | 69 | 78 | 0 | 1.6 | .6 | .9 | 7.0 | 132 | 26.1 | 115 | 96 | 61 | 0 | 0 | 3 | 2 |
| NC GREENSBORO | 85 | 70 | 88 | 70 | 78 | 1 | 1.3 | .4 | .9 | 10.7 | 165 | 29.8 | 137 | 99 | 71 | 0 | 0 | 3 | 1 |
| NC HATTERAS | 86 | 73 | 89 | 71 | 80 | 1 | .3 | .1 | .2 | 7.9 | 95 | 33.6 | 132 | 100 | 76 | 0 | 0 | 6 | 0 |
| NC NEW BERN | 84 | 72 | 88 | 71 | 78 | -1 | 2.7 | .9 | .9 | 8.8 | 87 | 26.7 | 94 | 90 | 70 | 0 | 0 | 6 | 0 |
| NC RALEIGH | 88 | 71 | 92 | 70 | 79 | 2 | .7 | .5 | .5 | 10.4 | 155 | 28.7 | 130 | 92 | 60 | 2 | 0 | 5 | 1 |
| NC WILMINGTON | 86 | 72 | 88 | 70 | 79 | -1 | 3.4 | 1.5 | 2.1 | 12.0 | 113 | 32.0 | 118 | 91 | 66 | 0 | 0 | 5 | 2 |
| ND BISMARCK | 84 | 56 | 89 | 52 | 70 | -1 | .5 | 0 | .4 | 3.5 | 70 | 10.2 | 105 | 96 | 47 | 0 | 0 | 3 | 0 |
| ND FARGO | 83 | 61 | 87 | 54 | 72 | 1 | .4 | .3 | .3 | 3.8 | 72 | 9.0 | 83 | 91 | 50 | 0 | 0 | 5 | 0 |
| ND GRAND FORKS | 81 | 58 | 86 | 54 | 70 | 1 | 1.1 | .5 | .7 | 5.4 | 106 | 11.3 | 109 | 96 | 59 | 0 | 0 | 3 | 1 |
| ND WILLISTON | 84 | 58 | 89 | 52 | 71 | 1 | .1 | .4 | T | 3.4 | 72 | 9.3 | 101 | 77 | 44 | 0 | 0 | 2 | 0 |
| OH AKRON-CANTON | 86 | 66 | 91 | 60 | 76 | 4 | .2 | .7 | .2 | 6.3 | 102 | 20.9 | 105 | 84 | 48 | 1 | 0 | 1 | 0 |
| OH CINCINNATI | 89 | 66 | 93 | 61 | 77 | 1 | 0 | 0 | 0 | 5.1 | 78 | 24.3 | 104 | 82 | 41 | 3 | 0 | 1 | 0 |
| OH CLEVELAND | 87 | 66 | 92 | 60 | 76 | 5 | 0 | .8 | 0 | 6.1 | 113 | 19.4 | 102 | 85 | 48 | 2 | 0 | 0 | 0 |
| OH COLUMBUS | 86 | 65 | 91 | 60 | 76 | 2 | T | 1.0 | T | 6.2 | 93 | 23.0 | 104 | 89 | 44 | 1 | 0 | 0 | 0 |

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

CORRECTION: PREVIOUS WEEK

Weather Data for the Week Ending July 17, 1982

| STATES AND STATIONS | TEMPERATURE °F | | | | | | PRECIPITATION | | | | | | RELATIVE HUMIDITY, PERCENT | | NUMBER OF DAYS | | | | |
|---------------------------|--------------------|--------------------|-----------------|----------------|---------|--------------------------|----------------------|--------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------|--------------------|--------------|--------------|---------------------|---------------------|
| | AVERAGE MAXIMUM | AVERAGE MINIMUM | EXTREME HIGH | EXTREME LOW | AVERAGE | DEPARTURE FROM NORMAL | WEEKLY TOTAL, IN. | DEPARTURE FROM NORMAL | GREATEST IN 24-HOUR, IN. | TOTAL, IN., SINCE May 30 | PCT. NORMAL SINCE May 30 | TOTAL, IN., SINCE Jan. 1 | PCT. NORMAL SINCE Jan. 1 | AVERAGE MAXIMUM | AVERAGE MINIMUM | TEMPERATURE | | PRECIPITATION | |
| | | | | | | | | | | | | | | | | 90 AND ABOVE | 32 AND BELOW | .01 INCH OR MORE | .50 INCH OR MORE |
| DAYTON | 87 | 64 | 93 | 60 | 76 | 1 | T | -.8 | T | 5.3 | 85 | 25.2 | 122 | 89 | 50 | 2 | 0 | 1 | 0 |
| TOLEDO | 86 | 63 | 92 | 58 | 75 | 3 | .2 | -.6 | .2 | 3.7 | 66 | 16.1 | 94 | 95 | 50 | 1 | 0 | 1 | 0 |
| YOUNGSTOWN | 85 | 64 | 89 | 59 | 74 | 3 | .1 | -.8 | .1 | 6.0 | 102 | 20.2 | 97 | 91 | 51 | 0 | 0 | 1 | 0 |
| OK OKLAHOMA CITY | 89 | 70 | 92 | 66 | 80 | -2 | T | -.6 | T | 6.2 | 102 | 25.7 | 143 | 88 | 51 | 2 | 0 | 1 | 0 |
| TULSA | 94 | 75 | 97 | 71 | 85 | 3 | T | -.8 | T | 5.5 | 79 | 20.6 | 100 | 80 | 42 | 7 | 0 | 0 | 0 |
| OR ASTORIA | 68 | 51 | 75 | 49 | 60 | 0 | .5 | -.3 | .3 | 1.9 | 61 | 40.8 | 124 | 92 | 61 | 0 | 0 | 2 | 0 |
| BURNS | 81 | 45 | 84 | 44 | 63 | -6 | 0 | -.1 | 0 | 1.2 | 109 | 6.2 | 94 | -- | -- | 0 | 0 | 0 | 0 |
| MEDFORD | 87 | 53 | 94 | 43 | 70 | -2 | 0 | -.1 | 0 | 1.0 | 83 | 9.2 | 87 | 84 | 27 | 3 | 0 | 0 | 0 |
| PENDLETON | 81 | 57 | 93 | 48 | 69 | -5 | .1 | 0 | .1 | .8 | 62 | 5.5 | 80 | 67 | 24 | 1 | 0 | 2 | 0 |
| PORTLAND | 80 | 57 | 90 | 49 | 68 | 2 | .2 | .1 | .1 | 2.1 | 111 | 20.8 | 111 | 81 | 39 | 1 | 0 | 1 | 0 |
| SALEM | 80 | 52 | 89 | 41 | 66 | -1 | .2 | .1 | .2 | 1.8 | 106 | 21.3 | 100 | 89 | 37 | 0 | 0 | 1 | 0 |
| PA ALLENTOWN | 87 | 67 | 91 | 61 | 77 | 3 | .1 | -.9 | T | 8.6 | 139 | 24.8 | 112 | 95 | 51 | 2 | 0 | 2 | 0 |
| ERIE | 83 | 64 | 87 | 56 | 73 | 4 | .2 | -.6 | .1 | 7.3 | 126 | 20.7 | 110 | 78 | 49 | 0 | 0 | 2 | 0 |
| HARRISBURG | 89 | 68 | 91 | 59 | 78 | 3 | 0 | -.9 | 0 | 8.1 | 96 | 24.3 | 107 | 97 | 51 | 4 | 0 | 0 | 0 |
| PHILADELPHIA | 89 | 71 | 92 | 68 | 80 | 3 | .4 | -.5 | .4 | 7.2 | 118 | 27.4 | 135 | 93 | 52 | 3 | 0 | 2 | 0 |
| PITTSBURGH | 85 | 64 | 89 | 60 | 74 | 2 | .1 | -.8 | .1 | 4.5 | 74 | 19.8 | 97 | 90 | 53 | 0 | 0 | 1 | 0 |
| SCRANTON | 85 | 64 | 90 | 59 | 75 | 2 | .6 | -.4 | .3 | 8.0 | 131 | 22.4 | 124 | 95 | 56 | 1 | 0 | 2 | 0 |
| RI PROVIDENCE | 86 | 67 | 93 | 63 | 77 | 5 | T | -.6 | T | 11.6 | 270 | 29.7 | 142 | 85 | 44 | 1 | 0 | 2 | 0 |
| SC CHARLESTON | 88 | 73 | 90 | 72 | 81 | 0 | 1.1 | -.8 | .6 | 14.0 | 123 | 30.6 | 112 | 94 | 62 | 1 | 0 | 5 | 1 |
| COLUMBIA | 88 | 71 | 91 | 69 | 80 | -1 | 3.5 | 2.2 | 2.5 | 9.9 | 136 | 28.2 | 113 | 94 | 60 | 2 | 0 | 5 | 2 |
| FLORENCE | 86 | 71 | 89 | 71 | 79 | -1 | 1.8 | .3 | .7 | 8.5 | 101 | 25.9 | 109 | 100 | 62 | 0 | 0 | 4 | 1 |
| GREENVILLE | 85 | 69 | 87 | 68 | 77 | -1 | 2.2 | 1.2 | .9 | 11.1 | 168 | 34.8 | 131 | 95 | 63 | 0 | 0 | 4 | 2 |
| SD ABERDEEN | 93 | 61 | 108 | 53 | 77 | 5 | -- | -- | -- | -- | -- | -- | -- | 89 | 34 | 0 | 0 | 0 | 0 |
| HURON | 89 | 62 | 92 | 56 | 75 | 2 | 1.8 | 1.3 | 1.4 | 4.2 | 79 | 12.3 | 107 | 96 | 45 | 4 | 0 | 2 | 1 |
| RAPID CITY | 86 | 55 | 93 | 47 | 71 | -2 | .1 | -.4 | T | 3.4 | 65 | 12.7 | 109 | 82 | 35 | 2 | 0 | 4 | 0 |
| SIOUX FALLS | 84 | 63 | 90 | 56 | 74 | 0 | .6 | -.1 | .3 | 6.0 | 95 | 13.6 | 94 | 89 | 52 | 1 | 0 | 3 | 0 |
| TN CHATTANOOGA | 89 | 68 | 92 | 64 | 79 | 0 | .1 | -.2 | .1 | 3.7 | 53 | 28.6 | 96 | 92 | 48 | 2 | 0 | 2 | 0 |
| KNOXVILLE | 86 | 68 | 88 | 63 | 77 | -1 | .4 | -.7 | .2 | 6.6 | 99 | 32.7 | 123 | 99 | 56 | 0 | 0 | 3 | 0 |
| MEMPHIS | 93 | 76 | 94 | 72 | 84 | 3 | .2 | -.7 | .2 | 9.4 | 159 | 36.4 | 126 | 83 | 47 | 7 | 0 | 1 | 0 |
| NASHVILLE | 90 | 69 | 93 | 63 | 79 | 0 | T | -.9 | T | 3.4 | 59 | 26.3 | 100 | 95 | 45 | 4 | 0 | 2 | 0 |
| TX ABILENE | 92 | 72 | 97 | 68 | 82 | -2 | 1.5 | -.9 | 1.3 | 5.4 | 123 | 15.3 | 116 | 84 | 41 | 6 | 0 | 2 | 1 |
| AMARILLO | 91 | 66 | 98 | 59 | 79 | 0 | .6 | 0 | .6 | 5.6 | 112 | 9.1 | 89 | 74 | 34 | 5 | 0 | 2 | 1 |
| AUSTIN | 97 | 75 | 98 | 73 | 86 | 1 | 0 | -.4 | 0 | 3.0 | 68 | 15.9 | 91 | 86 | 37 | 7 | 0 | 0 | 0 |
| BEAUMONT | 92 | 74 | 94 | 72 | 83 | 0 | 1.5 | -.1 | 1.4 | 11.0 | 129 | 34.7 | 125 | 93 | 57 | 7 | 0 | 3 | 1 |
| BROWNSVILLE | 97 | 76 | 98 | 73 | 87 | 3 | 0 | -.2 | 0 | .2 | 6 | 14.4 | 140 | 89 | 43 | 7 | 0 | 0 | 0 |
| CORPUS CHRISTI | 95 | 74 | 95 | 70 | 84 | -1 | 0 | -.4 | 0 | .8 | 21 | 14.6 | 111 | 97 | 49 | 7 | 0 | 0 | 0 |
| DEL RIO | 98 | 75 | 99 | 74 | 86 | -1 | 0 | -.2 | 0 | 3.1 | 115 | 7.9 | 89 | 78 | 30 | 7 | 0 | 0 | 0 |
| EL PASO | 100 | 70 | 103 | 63 | 85 | 2 | .7 | -.4 | .7 | 1.0 | 63 | 2.1 | 64 | 62 | 19 | 7 | 0 | 3 | 1 |
| FORT WORTH | 94 | 75 | 96 | 72 | 84 | -1 | .1 | -.4 | .1 | 6.6 | 153 | 28.8 | 156 | 83 | 42 | 7 | 0 | 1 | 0 |
| GALVESTON | 88 | 79 | 91 | 78 | 84 | 1 | .2 | -.8 | .2 | 4.7 | 68 | 16.9 | 86 | 68 | 1 | 0 | 2 | 0 | |
| HOUSTON | 95 | 73 | 99 | 70 | 84 | 1 | 3.6 | 2.7 | 3.4 | 4.7 | 66 | 18.8 | 77 | 91 | 47 | 7 | 0 | 2 | 1 |
| LUBBOCK | 91 | 67 | 95 | 60 | 79 | -1 | .7 | -.2 | .7 | 6.2 | 141 | 14.2 | 139 | 80 | 37 | 5 | 0 | 1 | 1 |
| MIDLAND | 94 | 67 | 97 | 64 | 80 | -2 | 2.3 | 1.8 | 2.3 | 4.5 | 167 | 9.3 | 133 | 90 | 34 | 6 | 0 | 1 | 1 |
| SAN ANGELO | 94 | 71 | 96 | 65 | 82 | -3 | T | -.2 | T | 6.4 | 229 | 14.4 | 155 | 83 | 37 | 6 | 0 | 1 | 0 |
| SAN ANTONIO | 96 | 74 | 97 | 70 | 85 | 0 | 0 | -.4 | 0 | 1.4 | 35 | 11.7 | 84 | 91 | 36 | 7 | 0 | 0 | 0 |
| VICTORIA | 96 | 74 | 98 | 72 | 85 | 1 | .1 | -.6 | .1 | .2 | 4 | 16.2 | 95 | 89 | 43 | 7 | 0 | 1 | 0 |
| WACO | 95 | 75 | 98 | 71 | 85 | -1 | 2.3 | 2.0 | 2.3 | 6.3 | 166 | 21.4 | 120 | 85 | 45 | 7 | 0 | 2 | 1 |
| WICHITA FALLS | 93 | 69 | 98 | 63 | 81 | -4 | T | -.5 | T | 8.0 | 157 | 28.9 | 186 | 91 | 42 | 6 | 0 | 1 | 0 |
| UT BLANDING | 91 | 59 | 95 | 55 | 75 | 1 | .1 | -.1 | .1 | .2 | 20 | 4.8 | 92 | 33 | 10 | 6 | 0 | 1 | 0 |
| CEDAR CITY | 93 | 59 | 95 | 53 | 76 | 2 | 0 | -.2 | 0 | .4 | 44 | 7.1 | 148 | 32 | 11 | 7 | 0 | 0 | 0 |
| SALT LAKE CITY | 92 | 63 | 96 | 56 | 78 | 0 | 0 | -.1 | 0 | 1.7 | 100 | 9.2 | 105 | 51 | 18 | 5 | 0 | 0 | 0 |
| VT BURLINGTON | 87 | 60 | 92 | 53 | 74 | 4 | T | -.8 | T | 5.3 | 91 | 16.3 | 101 | 88 | 38 | 1 | 0 | 1 | 0 |
| VA NORFOLK | 86 | 73 | 88 | 72 | 80 | 1 | .9 | -.4 | .6 | 7.8 | 110 | 24.5 | 111 | 96 | 66 | 0 | 0 | 5 | 1 |
| RICHMOND | 86 | 72 | 92 | 71 | 79 | 1 | 4.7 | 3.4 | 2.7 | 12.1 | 170 | 27.7 | 128 | 100 | 73 | 1 | 0 | 4 | 3 |
| ROANOKE | 86 | 68 | 90 | 67 | 77 | 2 | .4 | -.4 | .3 | 7.7 | 135 | 25.2 | 125 | 96 | 60 | 1 | 0 | 3 | 0 |
| WA COLVILLE | 73 | 52 | 87 | 41 | 62 | -6 | .4 | -.3 | .3 | 3.1 | 148 | 11.4 | 128 | 85 | 54 | 0 | 0 | 4 | 0 |
| QUILLAYUTE | 66 | 47 | 75 | 44 | 57 | -2 | .8 | -.2 | .3 | 3.7 | 73 | 64.0 | 122 | 97 | 61 | 0 | 0 | 3 | 0 |
| SEATTLE-TACOMA | 70 | 53 | 80 | 49 | 62 | -3 | .2 | -.1 | .2 | 1.6 | 80 | 21.0 | 111 | 87 | 49 | 0 | 0 | 2 | 0 |
| SPOKANE | 76 | 53 | 89 | 45 | 65 | -5 | .3 | -.2 | .2 | 2.0 | 118 | 9.2 | 98 | 91 | 35 | 0 | 0 | 2 | 0 |
| YAKIMA | 80 | 52 | 91 | 41 | 66 | -5 | T | 0 | T | 1.8 | 200 | 4.9 | 111 | 80 | 31 | 1 | 0 | 1 | 0 |
| WV BECKLEY | 80 | 63 | 82 | 58 | 72 | 2 | .6 | -.4 | .5 | 7.5 | 110 | 23.7 | 99 | 97 | 57 | 0 | 0 | 3 | 1 |
| CHARLESTON | 88 | 67 | 93 | 64 | 78 | 3 | .1 | -.1 | .1 | 8.7 | 134 | 26.7 | 118 | 100 | 50 | 3 | 0 | 1 | 0 |
| HUNTINGTON | 85 | 65 | 91 | 61 | 75 | 0 | T | -1.0 | T | 7.5 | 123 | 25.3 | 113 | 100 | 57 | 1 | 0 | 0 | 0 |
| PARKEERSBURG | 86 | 68 | 90 | 63 | 77 | 3 | 0 | -.1 | 0 | 6.6 | 89 | 21.4 | 86 | 93 | 48 | 1 | 0 | 0 | 0 |
| WI GREEN BAY | 84 | 63 | 91 | 57 | 74 | 5 | .7 | 0 | .6 | 4.6 | 85 | 13.4 | 96 | 98 | 58 | 1 | 0 | 3 | 1 |
| LA CROSSE | 86 | 66 | 91 | 60 | 76 | 3 | .8 | -.1 | .5 | 2.5 | 38 | 11.1 | 70 | 100 | 57 | 2 | 0 | 3 | 0 |
| MADISON | 83 | 63 | 91 | 57 | 73 | 3 | .2 | -.7 | .1 | 4.4 | 66 | 15.7 | 99 | 93 | 59 | 1 | 0 | 2 | 0 |
| MILWAUKEE | 85 | 66 | 92 | 63 | 76 | 6 | .4 | -.4 | .4 | 5.1 | 86 | 18.7 | 118 | 93 | 54 | 1 | 0 | 1 | 0 |
| WY WAUSAU | 83 | 63 | 86 | 56 | 73 | 4 | 2.0 | 1.1 | 1.3 | 10.9 | 156 | 21.6 | 132 | 96 | 53 | 0 | 0 | 3 | 1 |
| CASPER | 91 | 51 | 97 | 43 | 71 | 0 | .2 | 0 | .2 | 4.5 | 205 | 9.2 | 130 | 76 | 17 | 6 | 0 | 2 | 0 |
| CHEYENNE | 83 | 52 | 89 | 46 | 68 | -2 | .2 | -.2 | .2 | 5.3 | 156 | 10.0 | 114 | 85 | 29 | 0 | 0 | 2 | 0 |
| LANDER | 89 | 54 | 92 | 45 | 71 | 0 | T | -.1 | T | 1.4 | 58 | 4.9 | 53 | 59 | 18 | 3 | 0 | 1 | 0 |
| SHERIDAN | 85 | 50 | 91 | 38 | 67 | -3 | T | -.2 | T | 4.7 | 121 | 9.4 | 91 | 76 | 29 | 2 | 0 | 1 | 0 |
| PR SAN JUAN | 90 | 78 | 91 | 77 | 84 | 3 | .1 | -1.3 | .1 | 6.0 | 64 | 27.5 | 105 | 88 | 58 | 5 | 0 | 3 | 0 |

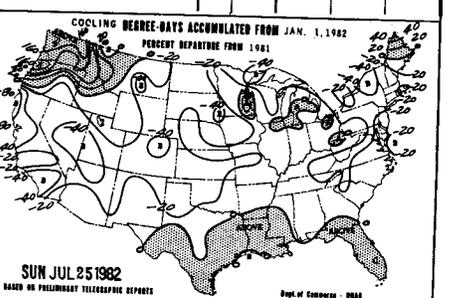
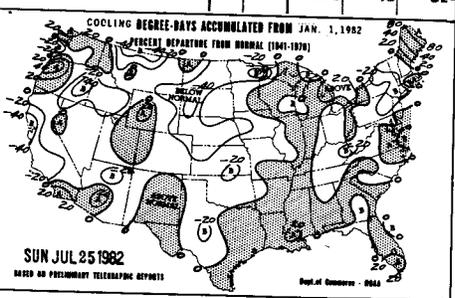
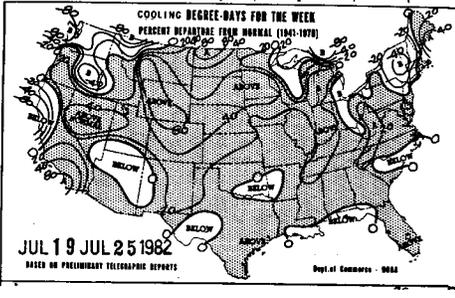
BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

HEATING DEGREE DAYS (BASE 65°) FOR WEEK ENDING JUL. 25, 1982.

BASED ON 1941-70 NORMALS.

+ ACCUMULATION FROM JAN. 1, 1982

Table with columns for STATES AND STATIONS, WEEKLY DEPARTURE, SEASONAL ACCUMULATION, and DEPARTURE FROM 1981. Rows list various states and cities such as ALA., ARIZ., CALIF., COLO., CONN., DEL., D.C., FLA., GA., IDAHO, ILL., IND., IOWA, KANS., KY., LA., MAINE, MD., MASS., MICH., MINN., MISS., MO., MONT., NEBR., NEV., N.H., N.J., N.M., N.Y., N.C., N.D., OHIO, OKLA., OREG., PA., R.I., S.C., S.DAK., TENN., TEXAS., UTAH, VT., VA., WASH., W.VA., WIS., and WYO.



National Agricultural Summary

JULY 19-25

HIGHLIGHTS: Mostly open weather during the week permitted winter wheat harvest to progress rapidly. Producers spent long hours in the fields, combining a large portion of their acreage. Rainfall in the Southeast benefited crops and helped restore soil moisture supplies. Hot weather in most areas of the Nation promoted good growth of crops and helped push small grains and vegetables to maturity. Farmers had 4 to 7 days suitable for fieldwork in nearly all areas of the Nation. Soil moisture supplies were adequate to surplus in some areas of the Southeast and in Iowa and Wisconsin due to heavy rainfall. Parts of the Northeast, South Central and Western States reported short to adequate supplies. Elsewhere, soil moisture was adequate. Winter wheat harvest advanced to 78% completion, about 4 points behind last year and the average. Spring wheat was 90% headed. Corn was silking on 48% of the acreage and reached the dough stage on 12% of the acreage. In the South, limited harvesting was underway. Soybeans bloomed on 46% of the acreage and 14% of the fields were setting pods. Cotton squaring reached 79% and boll set was 39% completed. Sorghum was 30% headed. Fruit picking and vegetable harvests gained momentum in northern areas. Pastures and ranges were in mostly good condition. Livestock rated good condition.

SMALL GRAINS: Winter wheat harvest in the 15 major producing States was 78% completed, about 4 points behind last year and the average. Even though harvest rapidly progressed it still lagged last year and the average in many States because of the late starting date and rainy weather. Progress was 48 percentage points behind normal in South Dakota, 20 points behind in Colorado, and 19 points in Nebraska. Open weather permitted farmers to spend long hours in the fields and harvest many acres during the week. Producers in Colorado combined 51% of their acreage during the week while those in Nebraska harvested 35%. In Ohio, 20% was harvested in 1 week. Harvesting in Texas was completed. In the eastern Corn Belt and in Oklahoma and Kansas, the harvest neared completion, about on schedule after getting off to a slow start in many areas.

Spring wheat headed on 90% of the acreage compared with 97% last year and the average.

CORN: Corn remained in good to excellent condition in parts of the eastern Corn Belt and Southeast and fair to good condition in other regions. In the 17 major producing States, corn was silking on 48% of the acreage and reached the dough stage on 12% of the acreage. In the eastern Corn Belt, development progressed ahead of normal, while in the western Corn Belt, it was slower than average. In the eastern region 70% of the corn was silking and 16% had reached the dough stage while last year 60% was silking and 9% had reached the dough stage. In the western area, 25% of the corn was silking and 2% had reached dough stage compared with 59% silking and 3% dough a year earlier. In the South, many fields were in the dent stage and some were mature. Harvesting increased in Florida, Georgia, and South Carolina.

SOYBEANS: Soybeans were in mostly good condition. In the 18 major producing States, 46% of the acreage was blooming and pod set was evident on 14% of the acreage. Progress generally lagged the average development for this date. Due to later-than-normal planting, progress in the West North Central States lagged well behind average while early planting in the East North Central States caused faster-than-normal development. Seventy-five percent of the soybeans were blooming in the eastern region and only 34% were blooming in the western area.

SORGHUM: Sorghum was in fair to good condition. In the 7 major producing States, 30% of the acreage headed, 7 points behind a year earlier. Heading was 74% finished in Texas but had not yet started in South Dakota. In Texas, 40% of the acreage was harvested, 3 points ahead of average. Fields matured rapidly under hot, dry weather conditions.

COTTON: In the 14 major producing States, 79% of the cotton was squaring and 39% was setting bolls. A year ago, 90% was squaring and 60% was setting bolls. Harvest in Texas was 8% complete. Defoliation operations were active through the Coastal Bend area. Insect populations increased, and control measures were active in most locations.

OTHER CROPS: Peanuts made good growth in Texas, although some dryland stands on Edwards Plateau and South Texas showed signs of moisture stress. In the Southeast, fields were blooming and pegging. The crop was generally in good condition.

Tobacco harvests gained momentum. The Georgia crop was 63% harvested, and the South Carolina crop was 47% harvested. The flue-cured harvest in North Carolina was 23% complete while the Virginia flue-cured harvest was just getting started.

VEGETABLES: Vegetable harvests increased in extreme northern areas and were virtually finished in the extreme South. Land preparation for planting later crops was the main activity in the southern growing areas. California growers continued to harvest a wide variety of crops

FRUITS AND NUTS: Peach harvest was underway as far north as New York. The Georgia and South Carolina crops were 90% picked. Apples in Georgia were being harvested; progress reached 18%. The Michigan tart cherry harvest was 50% completed. California growers harvested apples, apricots, avocados, figs, grapes, grapefruit, lemons, nectarines, Valencia oranges, pears, plums, and Cling and Freestone peaches. Almond hulls were splitting and growers were spraying trees for the Navel orange worm.

PASTURES AND LIVESTOCK: Pastures and ranges were in mostly good condition, although they were becoming dry in some areas. Conditions improved in areas receiving rainfall. Livestock rated good condition.

CROP PROGRESS
FOR WEEK ENDING JULY 25

| COTTON % SQUARING | | | | COTTON % SETTING BOLLS | | | | CORN % SILKING | | | | CORN % DOUGH | | | | |
|--|------|------|------|--|------|------|------|---|------|------|------|---|------|------|------|--|
| | 1982 | 1981 | AVG. | | 1982 | 1981 | AVG. | | 1982 | 1981 | AVG. | | 1982 | 1981 | AVG. | |
| ALA | 100 | 100 | 91 | ALA | 64 | 81 | 53 | COLO | 8 | 10 | 7 | COLO | 0 | 0 | 0 | |
| ARIZ | 98 | 99 | 98 | ARIZ | 93 | 96 | 93 | GA | 100 | 100 | 100 | GA | 93 | 97 | NA | |
| ARK | 100 | 100 | 100 | ARK | 88 | 85 | 71 | ILL | 90 | 79 | 79 | ILL | 25 | 20 | 20 | |
| CALIF | 75 | 93 | NA | CALIF | 45 | 60 | NA | IND | 80 | 35 | 60 | IND | 20 | 0 | 3 | |
| GA | 99 | 98 | 99 | GA | 83 | 90 | 92 | IOWA | 30 | 81 | 69 | IOWA | 0 | 0 | 0 | |
| LA | 99 | 99 | 98 | LA | 80 | 74 | 79 | KANS | 40 | 50 | 55 | KANS | 10 | 10 | 10 | |
| MISS | 100 | 100 | 98 | MISS | 70 | 68 | 62 | KY | 82 | 55 | 70 | KY | 14 | 10 | 10 | |
| MO | 100 | 86 | 95 | MO | 91 | 63 | 53 | MICH | 50 | 45 | 40 | MICH | 0 | 0 | 1 | |
| N MEX | 90 | 95 | NA | N MEX | 35 | 50 | 49 | MINN | 23 | 44 | 53 | MINN | 0 | 0 | 2 | |
| N C | 98 | 92 | NA | N C | 64 | 74 | NA | MO | 59 | 67 | 60 | MO | 20 | 16 | 10 | |
| OKLA | 15 | 75 | 65 | OKLA | 0 | 15 | 10 | NEBR | 15 | 65 | 60 | NEBR | 0 | 5 | 8 | |
| S C | 100 | 100 | 100 | S C | 95 | 98 | 87 | N C | 94 | 96 | NA | N C | 73 | 78 | NA | |
| TENN | 100 | 97 | 92 | TENN | 50 | 40 | 45 | OHIO | 80 | 30 | 55 | OHIO | 15 | 0 | 0 | |
| TEX | 73 | 86 | NA | TEX | 17 | 54 | NA | PA | 30 | 50 | 30 | PA | 0 | 0 | 0 | |
| 14 STATES | 79 | 90 | NA | 14 STATES | 39 | 60 | NA | S DAK | 0 | 26 | 30 | S DAK | 0 | 0 | 0 | |
| EXCL. STATES | | | | EXCL. STATES | | | | VA | 79 | 84 | NA | VA | 0 | 0 | 0 | |
| WITH NA | 89 | 96 | 93 | WITH NA | 67 | 68 | 62 | WIS | 9 | 35 | 30 | WIS | 30 | 39 | NA | |
| THESE 14 STATES PRODUCED 99% OF THE 1981 COTTON CROP. | | | | THESE 14 STATES PRODUCED 99% OF THE 1981 COTTON CROP. | | | | 17 STATES | 48 | 59 | NA | 17 STATES | 12 | 9 | NA | |
| NA - NOT AVAILABLE | | | | NA - NOT AVAILABLE | | | | EXCL. STATES | | | | EXCL. STATES | | | | |
| | | | | | | | | WITH NA | 46 | 58 | 59 | WITH NA | 8 | 5 | 5 | |
| | | | | | | | | THESE 17 STATES PRODUCED 93% OF THE 1981 CORN CROP. | | | | THESE 17 STATES PRODUCED 93% OF THE 1981 CORN CROP. | | | | |
| | | | | | | | | NA - NOT AVAILABLE | | | | NA - NOT AVAILABLE | | | | |
| SOYBEANS % BLOOMING | | | | SOYBEANS % SETTING PODS | | | | WINTER WHEAT % HARVESTED | | | | RICE % HEADED | | | | |
| | 1982 | 1981 | AVG. | | 1982 | 1981 | AVG. | | 1982 | 1981 | AVG. | | 1982 | 1981 | AVG. | |
| ALA | 32 | 44 | 53 | ALA | 8 | 18 | NA | CALIF | 90 | 96 | NA | ARK | 10 | 15 | 14 | |
| ARK | 20 | 22 | 23 | ARK | 5 | 10 | 11 | COLO | 60 | 78 | 80 | CALIF | 2 | 12 | NA | |
| GA | 45 | 41 | NA | GA | 15 | 15 | NA | IDAHO | 3 | 3 | 3 | LA | 59 | 65 | 68 | |
| ILL | 78 | 60 | 68 | ILL | 35 | 20 | 28 | ILL | 97 | 100 | 100 | MISS | 20 | 39 | 26 | |
| IND | 70 | 30 | 60 | IND | 15 | 2 | 15 | IND | 91 | 99 | 96 | TEX | 100 | 95 | NA | |
| IOWA | 35 | 81 | 78 | IOWA | 15 | 42 | 36 | KANS | 98 | 99 | 99 | 5 STATES | 32 | 38 | NA | |
| KANS | 15 | 25 | 30 | KANS | 4 | 4 | 10 | MO | 92 | 81 | 100 | EXCL. STATES | | | | |
| KY | 46 | 18 | 34 | KY | 12 | 2 | 8 | MONT | 0 | 5 | 5 | WITH NA | 24 | 31 | 30 | |
| LA | 42 | 51 | 49 | LA | 14 | 27 | 20 | NEBR | 75 | 96 | 94 | THESE 5 STATES PRODUCED 98% OF THE 1981 RICE CROP. | | | | |
| MICH | 45 | 35 | 30 | MICH | 5 | 5 | 6 | OHIO | 95 | 95 | 90 | NA - NOT AVAILABLE | | | | |
| MINN | 44 | 70 | 77 | MINN | 0 | 10 | 19 | OKLA | 99 | 100 | 100 | | | | | |
| MISS | 48 | 61 | 48 | MISS | 12 | 18 | 17 | OREG | 18 | 16 | NA | | | | | |
| MO | 29 | 29 | 40 | MO | 10 | 10 | 10 | S DAK | 15 | 54 | 63 | | | | | |
| NEBR | 30 | 70 | NA | NEBR | 1 | 20 | 20 | TEX | 100 | 100 | 100 | | | | | |
| N C | 24 | 34 | NA | N C | 0 | 0 | NA | WASH | 14 | 11 | 11 | | | | | |
| OHIO | 80 | 40 | 55 | OHIO | 35 | 10 | 25 | 15 STATES | 78 | 82 | NA | | | | | |
| S C | 19 | 23 | 25 | S C | 3 | NA | NA | EXCL. STATES | | | | | | | | |
| TENN | 35 | 32 | 43 | TENN | 9 | 10 | 12 | WITH NA | 79 | 83 | 84 | | | | | |
| 18 STATES | 46 | 48 | NA | 18 STATES | 14 | NA | NA | THESE 15 STATES PRODUCED 88% OF THE 1981 WINTER WHEAT CROP. | | | | | | | | |
| EXCL. STATES | | | | EXCL. STATES | | | | NA - NOT AVAILABLE | | | | | | | | |
| WITH NA | 47 | 48 | 55 | WITH NA | 16 | 17 | 20 | | | | | | | | | |
| THESE 18 STATES PRODUCED 95% OF THE 1981 SOYBEAN CROP. | | | | THESE 18 STATES PRODUCED 95% OF THE 1981 SOYBEAN CROP. | | | | | | | | | | | | |
| NA - NOT AVAILABLE | | | | NA - NOT AVAILABLE | | | | | | | | | | | | |
| | | | | | | | | SPRING WHEAT % HEADED | | | | SORGHUM % HEADED | | | | |
| | | | | | | | | | 1982 | 1981 | AVG. | | 1982 | 1981 | AVG. | |
| | | | | | | | | IDAHO | 100 | 100 | 100 | COLO | 4 | 2 | 3 | |
| | | | | | | | | MINN | 94 | 99 | 97 | KANS | 3 | 5 | 10 | |
| | | | | | | | | MONT | 80 | 95 | 100 | MO | 37 | 31 | 32 | |
| | | | | | | | | N D | 87 | 96 | 94 | NEBR | 1 | 30 | 30 | |
| | | | | | | | | S DAK | 100 | 100 | 100 | OKLA | 20 | 35 | 25 | |
| | | | | | | | | 5 STATES | 90 | 97 | 97 | S DAK | 0 | 9 | 8 | |
| | | | | | | | | THESE 5 STATES PRODUCED 92% OF THE 1981 SPRING WHEAT CROP. | | | | TEX | 74 | 77 | NA | |
| | | | | | | | | | | | | 7 STATES | 30 | 37 | NA | |
| | | | | | | | | | | | | EXCL. STATES | | | | |
| | | | | | | | | | | | | WITH NA | 7 | 16 | 18 | |
| | | | | | | | | | | | | THESE 7 STATES PRODUCED 92% OF THE 1981 SORGHUM CROP. | | | | |
| | | | | | | | | | | | | NA - NOT AVAILABLE | | | | |

State Summaries of Weather and Agriculture

These summaries provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by SRS State Offices in cooperation with the National Weather Service.

ALABAMA: Temperatures near normal. Most stations reported over 1.00 in. of rainfall. Soil moisture adequate to surplus. Field-work: 3.5 days. Corn: Silked-virtually complete; dented 70%, 79% 1981, 51% average. Soybeans: Blooming 32%, 44% 1981, 35% average;

setting pods less than 8%. Cotton setting bolls 64%, 81% 1981, 55% average. Peanuts pegging 95%, 96% 1981, 80% average. Conditions: Corn, soybeans, cotton, peanuts, sorghum, pastures, and livestock good.

ALASKA: Two different weather regimes prevailed. Warm, dry weather was followed by a cool showery pattern later in the week. Average temperatures were close to normal but seasonal rainfall totals running above normal. Tanana Valley: Warm, dry weather early in the week was followed by a cooling trend as wet weather set in at midweek. Seasonal rainfall totals above normal. Matanuska Valley: Generally warm, dry weather early in the week was replaced by a cool rainy pattern. Temperatures averaged near normal. Seasonal totals to near or slightly above normal. Kenai Peninsula: A couple of warm, dry days were followed abruptly by showery cool weather as the week progressed. Average temperatures ran a degree or two above normal. Seasonal rainfall totals below normal. Kodiak Island: A warm, dry week. Warm days prevailed due to abundant sunshine and no rain. Seasonal rainfall total above normal.

Farmers throughout Railbelt experienced variable weather. Beginning with sunshine and cloudy skies and rain by weeks end. Days suitable for making hay ranged from 2 days in the Matanuska Valley up to 4 days in Tanana Valley. Hay harvesting nearing completion in most areas. Small grain ranged from 24 to 30 in. in height. Early seeded oats and barley in dough stage, others mostly headed. Potato hilling nearly complete, over 30% in bloom most sections and 40 to 60% elsewhere. Top and subsoil moisture supplies adequate.

ARIZONA: Hot, humid weather with numerous thunderstorms last half of week. Precipitation amounts mostly between 0.25 and 0.50 in., generally 0.50 to over 2.00 in. in White Mountains, southeast. Average temperatures 2° below to 4° above normal.

Cotton squaring in 98% of cotton fields in State, behind last year's 99%. Boll setting, 93% complete, behind last year's 96%. Both stages of crop development same as averages. Safflower harvest complete in central area, finishing up western area. Harvest of sugarbeets approaching completion. Corn for grain, sorghum, normal progress. Alfalfa baling, limited scale. Cantaloup, honeydew harvests approaching completion. Harvesting watermelons finishing in central, western areas, will begin in eastern part of State August 6. Grape harvest nearly complete. Green onions made seasonal progress. Citrus groves in satisfactory condition. Ranges poor condition through southeastern, central and northwestern areas. Northeastern ranges fair, southwestern ranges very poor. Livestock in mostly fair to good condition. Water supplies short. Recent rains too light to improve range conditions.

ARKANSAS: Normal temperatures, scattered thunder-showers. Highest temperature 105°, lowest 60°. All departures from normal ranged from +2 to -2°. Most rain 2.80 in., least zero.

Seven days available for fieldwork. Soil moisture short. Crop growth slowing down. Crops in good condition with soybeans fair to good. Soybeans blooming 20%, 22% 1981, 23% average; setting pods 5%, 10% 1981, 11% average. Rice headed 10%, 15% 1981, 14% average. Cotton setting bolls 88%, 85% 1981, 71% average. Corn denting. Sorghum heading, dough stage. Some hay harvested. Pastures average to short. Livestock good condition. Watermelon harvest underway.

CALIFORNIA: Another cool week with no rain. Only the South Coast was above normal in temperature. At the start of the week a dry cold front moved across North keeping all but the South Coast below normal. By midweek dryer and warmer air moved into the State from the Desert Southwest only to be moved eastward as another trough of cool air descended on the State from the Gulf of Alaska.

Warm temperatures beneficial for cotton development. Cotton 75% squared, 93% last year. Boll setting in 45% of acreage, 60% last year. Irrigation, cultivation, and pest management active. Rice showing good growth with 2% headed, 12 last year. Winter wheat harvest nearing completion with 90% harvested, 96 previous year. Corn and milo starting to tassel and head out. Sugarbeet harvest continues. Dry beans showing good development with a few fields still being planted. Alfalfa haying continues. Gravenstein apple harvest begun Sebastopol, Watsonville areas. Size, color below average. Tilton apricot harvest completed Patterson-Westley area. Hass, Reed, Macarthur avocado harvest continues, good quality. Mission (Black) fig harvest continues. Flame Seedless, Perlette, Cardinal grape harvest underway San Joaquin Valley. Thompson Seedless starts this week. Older vineyards good quality, newer smaller. High acid, low sugar, maturity problems. Mildew, insect treatment active. Other area grapefruit harvest continues, good quality. Lemon harvest active, poor to fair quality. Nectarine, Valencia orange, pear, and Friar plum harvest continuing. Cling and Freestone peach harvest active. Cling quality below average. Almond hulls splitting. Spraying for Navel orange worm active. Blighted walnut problem improved. Broccoli, cauliflower moderate supply Central Coast. Planting brussels sprouts completed. Melon harvest very active San Joaquin Valley. Carrot harvest fairly heavy Salinas Valley, active San Joaquin Valley. Sweet corn, cucumber harvest active most districts. Celery fairly heavy supply Central Coast. Lettuce moderate supply. Planting fall lettuce active San Joaquin Valley. Summer potato harvest active. Market tomatoes good supply San Joaquin Valley, South Coast. Processing tomato harvest complete Desert, increasing San Joaquin, Sacramento Valleys. Excellent feed in higher ranges. Cattle good gains summer range. Water supplies adequate.

COLORADO: Entire week hot and dry, except from mountains west where a few thunderstorms occurred. Temperatures 3 to 6° above normal; on the eastern Plains many readings in 100's. Hottest at the end of the week.

Warm, dry weather speeded winter wheat harvest. Spring grains progressing normally. Barley, 50% turning color, 20% ripe, 12% harvested; last year, 54% turning, 29% ripe, 24% harvested. Sugarbeets in good condition. Dry beans, 25% flowered; last year, 21%. Corn progressing well, height averages about 48 in., with 8% silked; 1981, height 53 in., 10% silked. Sorghum, 90% emerged, 4% headed; last year, 93% emerged, 2% headed. First cut of alfalfa hay 95% complete, second cut 30%; last year, 90% and 36% complete. Winter wheat in fair to good condition, 95% turning color, 85% ripe, and 60% harvested; last year 97% turning color, 92% ripe, 78% harvested. Averages, 96% turning color, 93% ripe, 80% harvested. Moisture adequate. Six days suitable for fieldwork. Livestock in very good condition.

FLORIDA: Summertime thunderstorms produced more rain than normal over much of the State. A few spots over 5.00 in. Moist tropical air prevailed during the period with no significant weather systems. Temperatures averaged near to slightly above normal.

Soil moisture adequate to excessive. Corn harvest increasing, yields good. Tobacco harvest active. Light digging of peanuts continues. Cotton, peanut, soybeans good condition. Sugarcane good to excellent condition. Haymaking continues but delayed and quality reduced by frequent showers. Pastures good to excellent condition but declining due to maturity and excess water in flat woods areas. Cattle good condition except those in low areas. Citrus grove condition continues excellent, moisture

adequate all areas. Lakes and pond levels improving. New foliage most trees, caretakers very busy spraying, fertilizing and cultivating. Season complete for spring vegetables. Limited supplies summer vegetables and watermelons continue local markets. Land preparations active for fall crops.

GEORGIA: Rainfall amounts averaged between 1.00 and 1.50 in. with locally heavier amounts. Temperatures averaged 1 to 2° above normal north and 1 to 2° below normal south. Over the week-end it remained quite warm and humid with scattered thundershowers. Rainfall averaged around 1.00 in.

Soil moisture 12% short, 57% adequate, 30% surplus. Four days suitable for fieldwork. Spraying for weeds, diseases and insects. Haymaking delayed by showers. Corn 20% fair, 66% good, 13% excellent, 100% silked, last year and average, 93% dough stage, 97% last year, dent stage 75%, last year 86%, 45% mature, 65% last year, harvest 4%, 12% last year, 7% average. Cotton 27% fair, 60% good, 12% excellent, 99% squaring, 98% last year, 99% average, 83% setting bolls, 90% last year, 92% average. Sorghum 96% planted, 100% last year, 97% average. Peanuts 10% fair, 74% good, 16% excellent, 99% blooming this year, last and average, 95% pegging, 93% last year, 94% average. Spraying peanuts for rootworm foliage feeders, leafspot, white mold and weeds. Soybeans 12% fair, 79% good, 8% excellent, 45% blooming, 41% last year, 15% setting pods this year and last year. Tobacco 29% fair, 59% good, 12% excellent, 63% harvested, 42% last year and average. Watermelons 5% poor, 27% fair, 61% good, 5% excellent, 84% harvested, 82% last year, 81% average. Apples 7% very poor, 22% poor, 33% fair, 36% good, 18% harvested, 15% last year, 11% average. Peaches 14% very poor, 11% poor, 21% fair, 52% good, 90% harvested, 77% last year, 85% average. Pecans 36% fair, 59% good. Hay crops 5% poor, 15% fair, 71% good, 6% excellent. Pastures 7% fair, 83% good, 10% excellent. Cattle and hogs good.

HAWAII: Weather remains variable. Heavy rains midweek, some sections, Islands of Hawaii, Maui and Oahu. Few flash floods occurred. No serious crop damage. Crop progress slowed. Most major crop areas escaped the heavy rains. Spraying for insect and disease infestations. Vegetables: Supplies adequate. Watermelon harvest seasonally active. Bananas: Supplies light. Papayas: Spray schedule up to control diseases. Harvesting continues light. Pineapples: Peak harvest in progress. Sugar: Steady harvesting expected. Pastures: Rains will be beneficial - especially to the Leeward districts on Island of Hawaii.

IDAHO: Weak high pressure brought dry weather to most of the State for the entire week. Temperatures averaged from near normal in the southeast to 1 to 4° below normal in the southwest. Northern areas cool with averages of 3 to 4° below normal. Highest reading was at Mountain Home with 101° while Potlatch fell to 31°. Precipitation was limited to less than 0.10 in. at all reporting stations. The most precipitation recorded was 0.09 at both Malta and Rexburg.

Winter grain harvest underway. Warmer weather conducive to good row crop development. Winter wheat 3% harvested, 3% last year and average. Spring wheat 49% turned color, 45% in 1981. Barley 45% turned. First cut alfalfa hay 97% complete, slightly behind last year. Second cut at 8%. Potatoes closed the middles on 72%, last year 55%. Most corn now tasseling. Mint harvest at 12%. Ranges drying out, fire hazard increasing.

ILLINOIS: Temperatures 1° below to 3° above normal. Precipitation heavy in the north and central (1.00 to 4.00 in.), light to moderate in the south (0 to 0.50 in.).

Winter wheat 97% combined, 100% 1981, 100% average. Corn 44% excellent, 53% good, 3% fair. Corn 90% silked; 25% dough. Soybeans 24% excellent, 67% good, 9% fair. Soybeans 78% blooming; 35% setting pods. Alfalfa 67% second crop cut. Oats 85% ripe; 35% combined. Pastures 37% excellent, 61% good, 2% fair. Soil moisture 2% short, 48% adequate, 50% surplus.

INDIANA: Fieldwork averaged 4 days. Topsoil and subsoil moisture adequate. Corn 80% silked, 1981 35%, average 60%. Corn 20% in dough, 1981 0%, average 3%. Soybeans 70% in bloom, 1981 30%, average 60%. Soybeans 15% setting pods, 1981 2%, average 15%. Corn condition mostly good to excellent. Soybeans good condition. Wheat 91% harvested, 1981 99%, average 96%. Oats 30% combined, 1981 70%, average 55%. Rye 65% combined, 1981 90%, average 90%. Alfalfa hay 65% cut second time, 1981 65%, average 75%.

IOWA: Warm, humid week. Temperatures averaged 1 to 4° above normal. Showers ended early week, remaining dry through the weekend.

Topsoil moisture: 26% surplus, 72% adequate, 2% short. Subsoil moisture: 29% surplus, 71% adequate. Corn tasseled: 60%, last year 93%, normal 86%. Corn silked: 30%, last year 81%, normal 69%. Soybeans blooming: 35%, last year 81%, normal 78%. Soybeans setting pods: 15%, last year 42%, normal 36%. Oats harvested: 25%, last year 87%, normal 72%. Wheat harvested: 55%, last year 94%, normal 88%. Second crop alfalfa hay harvested: 58%, last year 83%, normal 78%. Second crop clover harvested: 30%, last year 54%, normal 45%. Fieldwork: 4.4 days suitable. Crop conditions: Corn and soybeans, fair to good; pasture, wheat, oats and hay mostly good. Livestock in good condition.

KANSAS: Precipitation averaged 0.40 to 0.80 in. central, southwest and northeast districts, 0.25 in. or less elsewhere. Temperatures averaged 77° northwest, 79 to 81° elsewhere, 2 to 5° below normal.

Wheat harvest winding up 98% complete, last year 99%, average 99%. Sorghum planted 99%, last year 100%. Sorghum headed 3%, last year 5%, average 10%. Soybean planting near completion 99%, same as last year. Soybeans 15% blooming, last year 25%, average 30%. Soybeans setting pods 4%, same as last year, average 10%. Corn silked 40%, last year 50%, average 55%. Corn in dough stage 10%, same as last year and average.

KENTUCKY: Warm and humid. Afternoon highs in mid 80's to mid 90's, lows mostly 60's to lower 70's. Precipitation averaged 1.00 to 1.50 in.

Five days available for fieldwork. Soil moisture 24% short, 67% adequate, 9% surplus. Corn condition mostly good to excellent; 82% silked or beyond, 55% year ago, 70% average; 14% dough, 10% year ago and average. Soybeans good; 46% blooming, 18% last year, 34% average; setting pods 12%, 2% year ago, 8% average. Tobacco mostly good. Burley average 35% blooming. Hay and pastures mostly good.

LOUISIANA: Rainfall averages ranged from 0.50 north to over 3.00 in. southeast. Temperatures 1 to 2° above normal north, 3° below normal south.

Soil moisture adequate. Days suitable: 5.0. Corn mature 60%, 65% 1981, 46% average; harvested 14%, 21% 1981; condition good. Rice headed 59%, 65% 1981, 68% average; ripe 10%, 15% 1981, 17% average; harvested 6%, 12% 1981, 8% average; condition good. Yields excellent. Cotton squaring

99% 1982 and 1981, 98% average; setting bolls 80%, 74% 1981, 79% average; condition good. Soybeans flowering 42%, 51% 1981, 49% average; setting pods 14%, 27% 1981, 20% average; condition fair to good. Sorghum headed 77%, 80% 1981, 75% average; turning color 43%, 49% 1981, 26% average; condition fair to good. Sweetpotatoes harvested 2%, 5% 1981, condition good. Sugarcane rated good, continued reports of sugarcane smut disease. Peach harvest 91% complete, the same as 1981. Pecans rated fair. Pastures, livestock good condition.

MARYLAND AND DELAWARE: Temperatures averaged 2° above normal. High's averaged in the low 90's and lows were in the upper 60's to low 70's. Rain fell as widely scattered showers with the most rain at Cumberland with 2.27 in. and the least at Hagerstown with only a trace. Weekend weather was sunny, hot and humid with highs in the upper 80's to low 90's and lows in the upper 60's.

Corn, soybeans, apples and peaches in good condition but rain needed to replenish topsoil moisture. Maryland's progress: Corn silked 65%, 80% last year. Dough stage 10% this year; 15% last. Soybeans 25% blooming this year, 10% last. Tobacco 25% bloomed, 5% topped. Oats 45% harvested, 60% last year. Rye and wheat 90% and 95% respectively this year, 100% and 95% last year. Alfalfa hay 2nd cutting 75% this year, 95% last year. Alfalfa hay 3rd cutting 15% both years. Other hay 2nd cutting 75%, 45% last year. Other hay 3rd cutting 15% this year, 5% last. Snap beans 85% harvested, 80% last year. Potatoes 40% harvested, 55% last year. Tomatoes 15% harvested, 20% last year. Cucumbers 45% picked, 60% last year. Lima beans 50% harvested. Watermelon 25% harvested.

Delaware progress: Corn silked 65%, 85% last year. Dough stage development 30% this year, 25% last. Soybeans in bloom 15% both this year and last. Rye 90% harvested, and wheat 95% harvested, 100% both crops harvested last year. Alfalfa 3rd cutting 15% complete, 30% last year. Second cutting of other hay 50% complete, 60% last year. Snap beans 85% harvested; 60% last year. Potatoes and sweet corn 35% harvested, 45 and 30% respectively last year. Cucumbers 95% picked, 70% last year. Tomatoes 20% harvested, 25% last year. Watermelon 30% harvested.

MICHIGAN: A beautiful summer week with near normal temperatures reported. Precipitation was light except for heavy amounts dropped by slow moving thunderstorms across the southern sections during the weekend.

Conditions remain favorable for crop progress and development. Statewide 5.5 days were suitable for field activity. Soil moisture supplies mostly adequate. Corn silked average 50%, 45% last year, 40% average. Winter wheat harvest 25% complete, 75% last year and 57% average. Oats ripe 5%, 35% last year and 21% average. Soybeans blooming 45%, 35% last year, and 30% average. Dry beans blooming 40%, 60% last year and 56% average. Second cut hay 35% complete, 35% in 1981 and 39% average. Tart cherry harvest 50% complete, 70% last year and 63% average. Other fruits and vegetables near normal in progress.

MINNESOTA: Temperatures averaged from the mid 60's northeast to generally the low to mid 70's elsewhere and ranged from 2° below normal extreme northeast to generally 1 to 5° above normal elsewhere. The highest reported temperature was 96° at Browns Valley while the coolest was 45° at International Falls. Rainfall was again scattered as thunderstorms rumbled across the State. The northern third of the State averaged over 1.00 in. as did the southwest.

The central and southeast average between 0.50 and 1.00 in. While the remainder of the State averaged less than 0.50 in. The greatest reported weekly total was 3.25 in. at Red Wing.

Crops still behind normal development but making good progress. Row crops helped by warm and humid weather. Topsoil moisture 20% short, 71% adequate, and 9% surplus. Heading: Spring wheat 94%, 1981 99%, normal 97%; oats 98%, 1981 99%, normal 98%; barley 98%, 1981 99%, normal 98%. Turning ripe: Spring wheat 37%, 1981 74%, normal 64%; oats 60%, 1981 84%, normal 75%; barley 53%, 1981 92%, normal 76%. Tasseling: Field corn 43%, 1981 73%, normal 72%. Blooming: Soybeans 44%, 1981 70%, normal 77%; sunflowers 6%, 1981 29%, normal 31%.

MISSISSIPPI: Temperatures averaged near normal. Extremes: 65 and 100°. Scattered afternoon thunderstorms most common in southern and eastern areas. Greatest 24-hour rainfall 2.34 in.

Soil moisture short in northwest area, adequate elsewhere. Fieldwork: 5.0 days suitable. Hay harvest, pasture clipping, weed and insect control measures main farm activities. Cotton 100% squaring, 100% last year, 98% average; 70% setting bolls, 68% last year, 62% average; condition good. Soybeans 48% blooming, 61% last year, 48% average; 12% podding, 18% last year, 17% average; condition good to fair. Rice 20% headed, 39% last year, 26% average; condition good. Corn 72% in dough stage; 34% dented; condition good. Sorghum 58% headed, 55% last year. Hay 67% harvested, watermelons 68%, and peaches 70% harvested. Pasture condition good.

MISSOURI: Temperatures averaged slightly above normal. Rains were scattered and amounts varied from none to over 2.00 in.

Fieldwork: 4.6 days suitable. Corn 74% tasseled, last year 77%. Corn 59% silking, last year 67%. Corn 20% in dough stage. Grain sorghum 37% headed, last year 31%, normal 32%. Soybeans 29% blooming, last year 29%, normal 40%. Wheat 92% harvested, last year 81%, normal 100%. Oats 77% harvested, last year 76%, normal 88%. Alfalfa hay - 2nd cutting 77% harvested, last year 80%, normal 83%. Alfalfa hay - 3rd cutting 20% harvested, last year 13%, normal 14%. Other hay 82% harvested, last year 78%. Cotton 91% setting bolls, last year 63%, normal 53%. Condition of corn and pasture mostly good. Condition of cotton, soybeans and grain sorghum fair to good. Supply of topsoil moisture mostly adequate.

MONTANA: Dry weather prevailed west of Rockies. East of Rockies wetting thunderstorms produced spotty heavy rainfall late in week. Temperatures began and ended week below normal. Hottest weather so far this season occurred midweek east of Rockies. Temperatures averaged 3 to 5° above normal in east but about normal elsewhere.

Topsoil moisture short to adequate. Subsoil moisture mostly adequate. Six days suitable for fieldwork. Condition most crops good. Sugarbeets and corn fair to good. Crop progress compared with last year and normal: percent headed winter wheat 100, 100, 100; spring wheat 80, 95, 100; barley 95, 90, 100; oats 85, 95, 100. First cutting alfalfa 80, 100, 100; wild hay 60, 60, 70. Percent winter wheat ripe, 5. Winter wheat harvest expected to start August 5, normally July 29. Grasshopper activity light.

NEBRASKA: Precipitation: Scattered thunderstorms produced slight amounts of less than 0.50 in. in most areas. Temperatures: 3 to 5° above normal.

Wheat harvested 75%, 96% last year and 94% normal. Combining near completion in southern third of State; Panhandle harvest 33% finished. Corn mostly good to fair. Silked 15%, about two weeks behind 65% last year and 60% normal. Dough 0%, 5% last year and 8% normal. Soybeans good. Blooming 30%, 70% last year. Pod setting 1%, 20% last year and normal. Sorghum mostly good to fair. Heading 1%, 30% last year and normal. Alfalfa mostly good. Harvested second cutting 70%, 80% last year and normal. Poor hay drying conditions during week. Pasture and range feed mostly adequate. Large band of hail damaged crops in northeast and east central counties. Topsoil moisture short to adequate. Subsoil moisture adequate. Days suitable: 6.4.

NEVADA: Above normal temperatures and widely scattered mostly afternoon and evening thunderstorms dominated most of the State. Temperature extremes ranged from 118° at Logandale on the 22nd to 34° at Mountain City on 21st. Rainfall 0.16 in. at Ely to much heavier amounts in isolated areas of southern and eastern State.

Warmer temperatures aiding crop development. Alfalfa hay harvest hampered by afternoon showers. Range and pastures benefited from showers.

NEW ENGLAND: Temperatures averaged above normal. Rain on the 20th brought relief over all but the northwest and the extreme northeast portions of New England. Amounts ranged from 0.00 to 3.00 in.

Hay harvest: 2nd crop 30%, 1981 29%. Quality better than first crop. Maine potatoes: variable plant size, very dry, moisture stress, crop condition only fair. Cranberries: Early varieties continue to set well; later varieties in peak bloom. Cranberry growers continue to irrigate. Very good crop prospects. Warm weather helping crop development. Harvest of summer vegetables and early varieties of sweet corn.

NEW JERSEY: Temperatures slightly below normal. Extremes: 49° at Belvidere on 21st and 99° at Toms River on 19th. Rainfall averaged 0.82 in. north, 1.11 in. central and 1.66 in. south. Heaviest 24 hour total 2.48 in. at Freehold on 20th to 21st. Estimated soil moisture, in percent of field capacity averaged: 74% north, 67% central and 67% south. Four inch soil soil temperature averaged: 74° north, 76° central and 77° south.

Fieldwork: 5.9 days suitable. Thunderstorms improved soil moisture in many areas. High temperatures again drying soils, irrigation underway. Summer vegetables moving in heavy volume. Irish potato movement continues very light. Shipments to date well behind last year. Blueberry volume beginning to taper off. Peach harvest increasing. Redhaven variety picking underway. Wheat and rye combining nearing completion. Field corn and soybeans responding to showers. Some areas need more rain. Second cutting of hay active.

NEW MEXICO: Temperatures were slightly above normal at most locations.

Scattered showers occurred across the State and continue to cause some delay in harvesting and other fieldwork. Soil moisture remains in a short to adequate supply in most areas. Insect problems beginning to be noted in cotton and alfalfa fields in some areas. Cotton in good condition in the main producing areas. Alfalfa fields remain in good condition. Harvest of wheat and barley mostly complete. Irrigated grain sorghum in good condition with the dryland crop in fair condition. Corn in good condition with approximately 75% tasseling. Chile and onions in good condition with harvest of mid-season onions continuing. Peanuts in good condition and progressing well. Most fruit orchards in good condition. Range conditions fair to good

due to spotty rainfall. Cattle and sheep in mostly good condition. Cotton squaring 90%, 95% 1981. Cotton setting bolls 35%, 50% 1981, 49% average.

NEW YORK: Normal temperatures and light rainfall. Good fieldwork conditions. Most areas dry and looking for rain. Corn uneven, some tasseling short. Winter wheat harvest 18% complete, 20% 1981, 18% average. Oat harvest starting. Second cutting alfalfa 20% done, 18% 1981, 16% average. Some third cutting. Heat and water stress to some vegetable crops. Onions, potatoes mostly in good condition. Sweet corn, snap bean harvests underway. Sweet cherry harvest nearly done. Peach harvest increasing.

NORTH CAROLINA: Temperatures: Near normal along the coast to 1 to 3° above normal over the rest of the State. Precipitation: Generally 0.25 to 0.75 in. in most localities with the heaviest amount being 3.53 in. at Asheville.

Fieldwork: 5.4 days suitable. Soil moisture: 1% very short, 19% short, 69% adequate, and 11% surplus. Conditions: Pasture, cotton, peanuts, soybeans, hay, sweetpotatoes, and truck crops mostly good; field tobacco fair to mostly good; corn mostly good to excellent; apples poor to fair. Harvests: Irish potatoes 90%, 95% average; flue-cured tobacco 27%, 1981 23%, 20% average; hay 72%, 1981 73%, 73% average. Phenological stages: Cotton squared 98%, 1981 92%; cotton setting bolls 64%, 1981 74%; corn silked 94%, 1981 96%; corn in soft dough stage 73%, 1981 78%; corn in dent stage 43%, 1981 49%; soybeans bloomed 24%, 1981 34%. Major farm activities: Harvesting flue-cured tobacco, vegetable harvest, and spraying soybeans.

NORTH DAKOTA: Temperatures averaged slightly above normal. Extremes ranged from 43° north central to 101° south central. Precipitation was 0.38 in. below normal southwest to 0.92 in. above normal northwest. Thunderstorms produced some rain in excess of an inch and small hail.

Warm weather with additional moisture pushed fall seeded and early spring seeded small grains rapidly to maturity, but development of both small grains and row crops lags normal. Moisture stress showing on crops in need of rain in the southern quarter of the State and some reduction in small grain yields expected in these areas. Overall, crop condition mostly good. Some hail damage, flooding and lodging occurred in isolated areas across the State. The percent of acreage heading or beyond with last year and average was: Hard red spring wheat 87, 96, 94; durum 84, 93, 91; barley 94, 96, 95 and oats 88, 97, 95. Percent in bloom and beyond with last year and average was: Potatoes 36, 83, 80; flax 57, 66, 71; and dry beans 29, 72, 66.

OHIO: Temperatures only few degrees above normal. Highs ranged from the low 80's early week to upper 80's by weekend. Lows averaged low to mid 60's; upper 50's two mornings. Growing degree day totals above normal; deviation range from 5 to 15. Rainfall ranged from less than 0.05 to 1.50 in. Most stations received under 1.00 in.; below normal.

Farm activities: Winding up winter wheat harvest, combining oats, baling hay, detasseling seed corn, harvesting sweet corn, hauling manure, and spraying pesticides. All crops in good condition - only slight stress due to lack of moisture. Livestock beginning to stress from hot, humid conditions. Corn silked 80%, 30% 1981, 55% average. Corn in dough 15%, 0% 1981, 0% average. Soybeans blooming 80%, 40% 1981, 55% average. Soybeans pod setting 35%, 10% 1981, 25% average. Winter wheat harvested 95%, 95% 1981, 90% average. Oats harvested 20%, 50% 1981, 30% average. Alfalfa harvest - 2nd cut 75%, 55% 1981, 65% average.

Other hay harvest - 2nd cut 55%, 30% 1981, 35% average. Days favorable 5. Pasture condition good. Soil moisture 25% short, 75% adequate.

OKLAHOMA: Rainfall averages ranged from 0 in the west central and east central to 0.85 in. in the Panhandle. Temperatures ranged from normal in the Panhandle to 1 to 3° above normal elsewhere.

Hot, dry weather creating crop stress. Topsoil moisture supplies short in over 50% of counties for first time in 12 weeks. Wheat harvested: 99%, 100% 1981, 100% average. Sorghum heading: 20%, 35% 1981, 25% average. Cotton squaring: 15%, 75% 1981, 65% average. Days suitable for fieldwork: 6.4.

OREGON: Dry week. Temperatures near normal west of Cascades, 1 to 2° below normal in east.

Winter wheat harvest 18%; 16% last year. Yields average or above in east. Grass seed harvest continues. Barley harvest winding down. Oat harvest started. Hay cutting continues. Mint and corn fields good condition. Cherry harvest over except higher elevations. Early peaches being picked. Berry harvest continues. Cranberries good shape. Filberts and walnuts maturing normally. Early potato harvest picking up momentum. Peas about over; snap beans and early sweet corn harvest started. Other vegetables being picked in volume. Livestock good. Range and pastures poor to good. Range in Columbia Basin dry with high fire danger. Ranges in high elevation good to excellent shape.

PENNSYLVANIA: Hot and humid with scattered showers and thunderstorms 19th and 20th followed by clear, cool, and drier air remainder of week. Temperatures averaged near normal with extremes 95 and 38°. Rainfall from 2.00 in. northwest mountains and parts of Poconos to less than 0.25 in. most southern counties where substantial rain has not occurred since July 3. Elsewhere, totals 0.40 to 1.50 in.

Six days suitable. Moisture short to adequate. Activities: Spraying; baling; straw; making hay; and harvesting barley, wheat, rye, speltz, oats, peaches, early apples, blueberries, potatoes, snap beans, tomatoes, and sweet corn. Barley 11% ripe and 89% harvested, last year less than 5% ripe and 88% harvested. Wheat 32% ripe and 65% harvested, last year 27% ripe and 65% harvested. Oats 28% ripe and 7% harvested, last year 32% ripe and 18% harvested. Average corn height 63 inches, last year 62 inches. Second crop alfalfa 50% harvested, last year 64%. Harvest of first crop clo-tim 94% complete, virtually complete at this time last year. Quality of hay made good to fair. Feed from pastures average to below average.

PUERTO RICO: Island average rainfall 2.63 in. or 1.35 in. above normal. Highest total 5.97 in. Temperatures averaged 80 to 81° on Coasts and 78 to 79° Interior Divisions. Extremes: 93 and 59°.

SOUTH CAROLINA: Cloudy weather. Temperatures averaged near to slightly below normal as showers occurred throughout the week.

Soil moisture adequate to wet; 4 days suitable for fieldwork. Corn good to excellent condition 92% dough stage, 92 last year, 81 average; 29% mature, 45 last year, 37 average; 2% harvested ahead of last year, and average. Cotton good condition, 95% setting bolls, 98 last year, 87 average; 1% open bolls ahead of last year and average. Soybean pest on the increase due to rains, 19% blooming, 23 last year, 25 average; 3% setting pods. Tobacco fair to good, auction markets opened July 26 with good prices expected; 98% topped; 47% harvested, 35 a year ago, 39 average. Peach season winding down; 90% harvested, 73 a year ago,

71 average. Fall vegetable planting underway, 4% snap beans and cucumbers. Fall hay and pastures looking good, excess rain for hay making.

SOUTH DAKOTA: Temperatures 3 to 5° above normal. Extremes: 104 to mid-40°. Average temperatures mid-70° to mid-80°.

Topsoil moisture critically short across north part of State. Adequate most east river, south central, Black Hills and southwest corner. Short elsewhere. Five days suitable. Haying, cultivating, preparing combines, harvesting main activities. Hail and wind damage from storms. Producers concerned with wheat scab. Hot temperatures, lack of rain, diseases may cut yields in many areas. Ranges good, but drying out. Livestock good. Spring turning color 76%, 1981 95%, average 80%. Oats turning color 79%, 1981 97%, average 92%. Barley turning color 87%, 1981 98%, average 95%. Winter wheat ripe 81%, 1981 100%, average 92%. Winter rye ripe 96%, 1981 99%, average 95%. Spring wheat ripe 38%, 1981 82%, average 60%. Oats ripe 53%, 1981 94%, average 77%. Barley ripe 65%, 1981 94%, average 79%. Flax blooming 84%, 1981 89%, average 93%. Soybeans blooming 31%, 1981 68%, average 72%. Winter wheat harvested 15%, 1981 54%, average 63%. Winter rye harvested 20%, 1981 54%, average 52%. Spring wheat harvested 5%, 1981 26%, average 25%. Corn tasseled or beyond 20%, 1981 53%, average 49%.

TENNESSEE: Fieldwork averaged 4.7 days. Soil moisture 47% short, 43% adequate and 10% surplus. Soybeans 35% blooming, 32% 1981, 43% average. Soybeans setting pods 9%, 1981 10%, average 12%. Corn silking 87%, 1981 83%, average 73%. Corn dough stage 30%, 1981 39%, average 28%. Corn dent stage 6%, 1981 9%, average 6%. Cotton setting bolls 50%, 1981 40%, average 45%. Burley tobacco topped 24%. Pastures fair. Cattle good.

TEXAS: Warm, moist air prevailed, scattered thunderstorms continued throughout week Southeast Texas. Scattered thunderstorms developed Panhandle along weak front. Thunderstorms North Central Texas end of week. Otherwise, skies partly cloudy. Temperatures below normal northern half State, above normal southern half. Precipitation 0.25 to 0.50 in. below normal across most State, except near normal amounts East Texas.

Crops: Hot, dry weather prevailed during week, many areas reached 100° first time this year. Crops maturing rapidly under hot temperatures, harvesting operations good progress southern part State. Wheat harvest virtually complete, stubble being plowed. Dryland crops moisture stressed some localities, many producers welcome rain. Cotton harvest underway Lower Valley, defoliation operations active through Coastal Bend. Plains most stands making good progress with hot temperatures, but crop varying stages growth. Some dryland fields Blacklands moisture stressed, shedding bolls. Insect populations increasing scattered fields across State, control measures active most localities. Statewide condition 60% of normal with 2% excellent; 27% good; 48% fair; and 23% poor. This compares with 84% of normal last year. Sorghum fields maturing rapidly under hot, dry weather, harvest virtually complete Coastal Bend to Lower Valley. Harvesting operations active across Blacklands and South Central Texas, good yields many early fields. Plains crop good progress in boot to pre-boot stage. Weeds serious problem some stnads, because wet soils prevented cultivation early season. Spraying operations active. Condition across State was 82% of normal with 16% excellent; 56% good; 22% fair; 5% poor; and 1% failure. This compares with 91% of normal last year. Corn harvest underway Central Texas southward. Yields low some late-planted stands. Stands maturing rapidly and making good progress across High

Plains. Insect and disease damage reported Lower Valley. Reported condition was 86% of normal with 20% excellent; 53% good; 26% fair; and 1% poor. This compares with 91% of normal last year. Wheat harvest virtually complete across State. Some fields abandoned where heavy weed populations. Summer tillage operations underway. Rice maturing with hot weather, harvest good progress along coast. High winds lodging, red rice and grass problem scattered fields. Statewide condition was 83% of normal with 7% excellent; 73% good; 13% fair; and 7% poor. This compares with 85% last year. Peanuts good progress across State, although some dryland stands Edwards Plateau and South Texas moisture stressed. Weeds problem some stands Edwards Plateau. Planting operations winding down soybean fields High Plains. Dry weather slowed hay production some areas, rain would be beneficial additional cuttings. Many producers third alfalfa cutting.

Vegetables: Land preparation and planting fall vegetables active. Harvest summer-quarter vegetables winding down, light volume moving market. East Texas, tomato harvest complete some areas. Sweetpotato fields beginning to lap, irrigation full swing. Fall-vegetables planted some areas. Cantaloup harvest underway this week. Plains, onion, potato and cucumber harvest continued, onion volumes light. Bell peppers good progress.

Range and pasture: Ranges and pastures beginning to brown under hot, dry weather, although ample forage supplies continue provide good grazing most areas. Livestock good condition, market activity varied throughout State. Grasshoppers major problem Plains and Cross-Timbers. Cotton squaring 73%, 86% 1981. Cotton setting bolls 17%, 54% 1981. Cotton open bolls 5%, 3% 1981. Cotton harvested 0%, 2% 1981, 1% average. Rice headed 100%, 95% 1981. Rice turning color 85%, 77% 1981. Rice harvested 24%, 23% 1981, 17% average. Sorghum headed 74%, 77% 1981. Sorghum turning color 59%, 62% 1981. Sorghum mature 45%, 48% 1981. Sorghum harvested for grain 40%, 30% 1981, 37% average. Wheat harvested for grain 100%, 100% 1981, 100% average. Corn harvested 8%, 1% 1981, 4% average. Oats harvested 99%, 100% 1981, 100% average. Soybeans planted 99%, 95% 1981, 99% average. Sunflowers planted 100%, 94% 1981, 99% average.

UTAH: Widely scattered areas of shower and thunderstorm activity, principally over weekend. Accumulated amounts moisture generally light to moderate but locally heavy few localities. Average temperature ranged from 2° below normal to 7° above. Pan evaporation ranged from about 2 in. to over 3.5 in. during period.

Farm work interrupted by rain showers. Most active were second crop hay harvest and small grain combining. Eleven percent of winter wheat cut by week's end and 27% of second crop hay. Yields and quality generally good. Barley and spring wheat ripening fast. Harvest will pick up in the next week. Sweet cherry harvest past. Harvest of a moderate tart cherry crop and a small apricot crop progressing. Corn making good growth, but will be late maturing because of slow start. Irrigation water supplies adequate.

VIRGINIA: Mostly cloudy with scattered showers first half of period - mostly sunny skies during last portion. Temperatures: Highs averaged about 90 with the lows around 70. Rain fell across most of the State during mid period averaging 0.50 to 0.75 in.

Fieldwork was active last week with haying, spraying, fruit and vegetable harvesting and tobacco work the main activities. Topsoil moisture was rated 30% short, 62% adequate and 8% surplus. Days suitable for fieldwork: 4.9. Haying active with rain and insect damage noted. Corn: Excellent condition, 79% silked, 84% 1981; 30% dough,

39% 1981. Soybeans: Good condition, 16% blooming, 9% setting pods. Flue-cured tobacco: Excellent condition; 4% harvested (1% above last week), 18% 1981 and 5% average. Potatoes: 64% harvested. Peanuts rated excellent, hay and apples good and peaches fair. Pasture forage rated 97% adequate and 3% poor. Harvest of vegetables progressing on schedule. Melons doing well. Livestock in good condition but flies a problem and treatment has been difficult because of the heat and moisture.

WASHINGTON: An upper level low pressure center moved across southern Canada during the early part of the week, and brought light precipitation to quite a few areas. As the low moved east, surface high pressure built into the State for warm, dry conditions. Along the coast, night and morning low clouds kept the temperature cool.

West: Sunny weather provided ideal growing conditions. Summer vegetables such as cauliflower, broccoli, cabbage, lettuce, radishes, peas, onions, and spinach continue to be harvested. Tomatoes, corn, beans, cucumbers, and other warm weather crops growing well. Strawberry harvest complete. Raspberries and blueberries continue to be harvested. Blackberries turning color. Some green apples being picked. Livestock in good condition. Pastures in adequate condition. Hay supplies adequate.

East: Warm, dry weather helped grain crops to mature. Harvesting of winter wheat and barley underway in early grain counties. Corn and dry beans growing well. First cutting of Timothy hay nearly complete and second cutting of alfalfa hay beginning. Cherry harvest near completion. Apricot and peach harvest underway. Apple and pear harvest due mid-September and mid-August, respectively. Livestock in good condition. Pastures in good shape for this time of year. Dry conditions reported where no irrigation. Hay supplies adequate.

WEST VIRGINIA: Temperatures averaged 1 to 3° above normal. High 94°, low 46°. Precipitation varied. Range 0.19 to 3.08 in.

Soil moisture adequate. Days worked averaged: 4.3. Main activities: Hay harvesting, gardening, small grain harvesting, pasture clipping. Small grains in good to fair condition. Wheat: 70% harvested; 82% in 1981. Barley: 81% harvested; 96% in 1981. Oats: 30% harvested; 30% in 1981. Corn in good to fair condition. Hay in good to fair condition. First cutting 91% complete and 83% of normal, 88% and 86% in 1981; 2nd cutting, 25% complete, 82% of normal, 28% and 68% in 1981. Tobacco in fair condition. Pastures in good to fair condition. Peaches in poor condition with 18% harvested. Apples in good to fair condition. Gardens in good to fair condition.

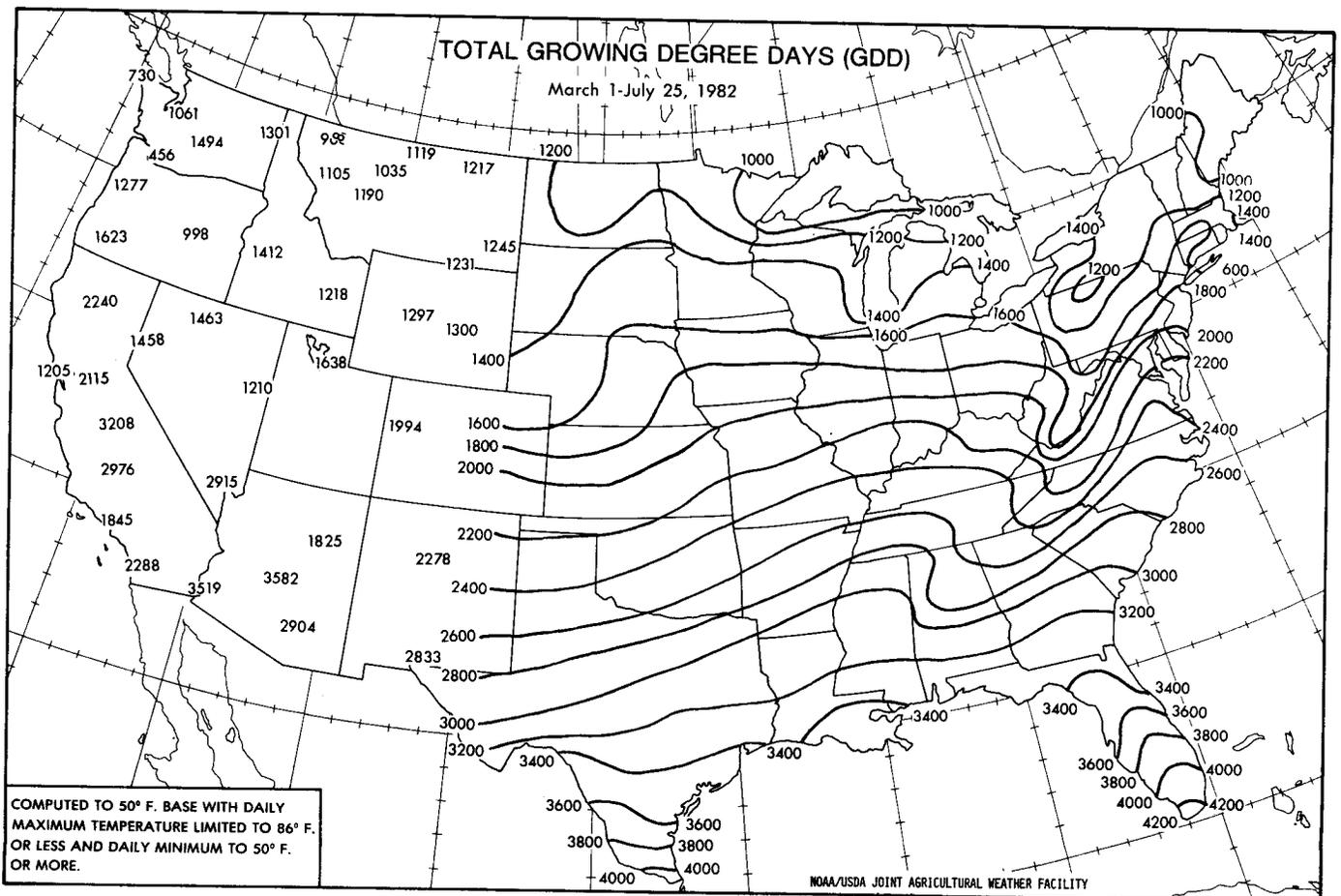
WISCONSIN: Temperatures averaged near normal as cooler temperatures early in the week gave way to warm, humid weather late in the week. Temperatures ranged from a high of 96° in Coloma on the 25th to a low of 40° in Morse on the 19th. Slow moving thunderstorms produced locally heavy downpours in south during midweek. Marshall recorded 3.50 in. of rainfall in a 24 hour period. Other stations reported varying totals. Most districts reported rainfall totals in the 0.50 to 1.00 in. range.

Fieldwork: 5 days suitable. Farmers continued to make progress with the second crop hay harvest which is 31% complete, 33% 1981, 27% average. Pastures continue to look good and rated at 87% of normal, 78% 1981, 75% average. Warm weather has pushed the corn crop, but the crop still somewhat behind normal. Currently 28% of the crop has tasseled, 55% 1981, 55% average, and 9% of the crop has silked, 35% 1981, 30% average. Harvesting has

started on winter wheat and rye crops. Oats maturing. Numerous farmers have harvested oats as forage because the red leaf virus has been a problem. Soybeans have showed good growth as did tobacco. A number of soybean growers have reported weed problems. More and more of the State's many vegetables now available at roadside stands and farmer's markets. Topsoil moisture supplies were rated 9% short, 68% adequate and 23% surplus. Moisture supplies were especially abundant in the south central and southeast districts where they rated 45 and 46% surplus, respectively.

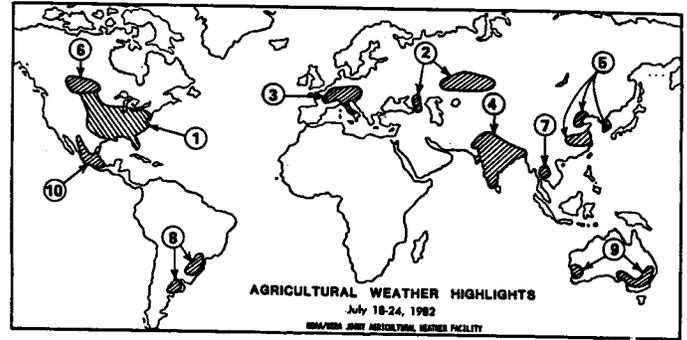
icant precipitation was at Newcastle with 0.62 in. State recorded below normal moisture. Topsoil moisture short 57% State. Average 7 days suitable fieldwork. Small grains maturing slower than normal. Winter wheat mature: 40%; normal 86%. Winter wheat harvested: 5%; normal 43%. Spring wheat turning color: 30%; normal 66%. Spring wheat mature: 5%; normal 28%. Oats turning color: 20%; normal 51%. Oats mature: 5%; normal 20%. Barley turning color: 40%; normal 71%. Barley mature: 5%; normal 32%. First cutting alfalfa hay harvest: 80%; normal 91%. Other hay harvested: 30%; normal 51%. Corn tasseled: 5%; normal 37%. Dry beans in bloom: 30%; normal 57%. Potatoes in bloom: 60%; normal 47%. Row crops fair to good condition. Stock water adequate 80% State. Livestock contracting slower than a year ago.

WYOMING: Temperatures top the century mark. Stations were slightly above normal. Exception was Powell, recording 4.4° below normal. Only signif-

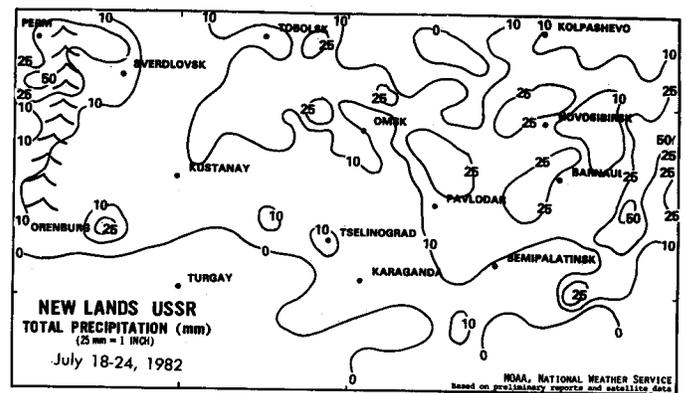
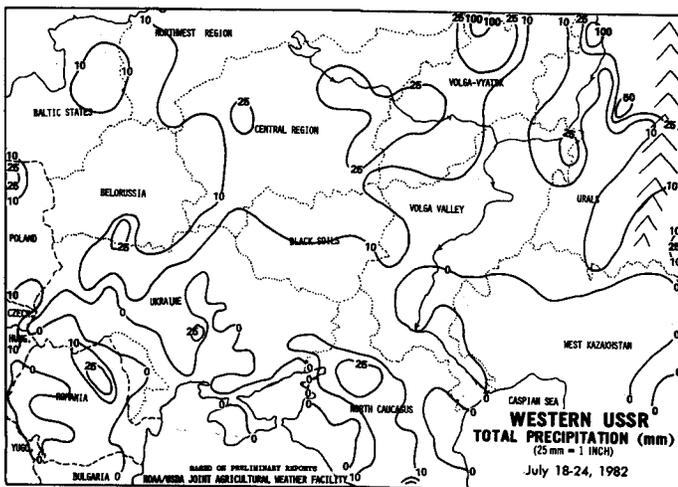


International Weather and Crop Summary

July 18-24



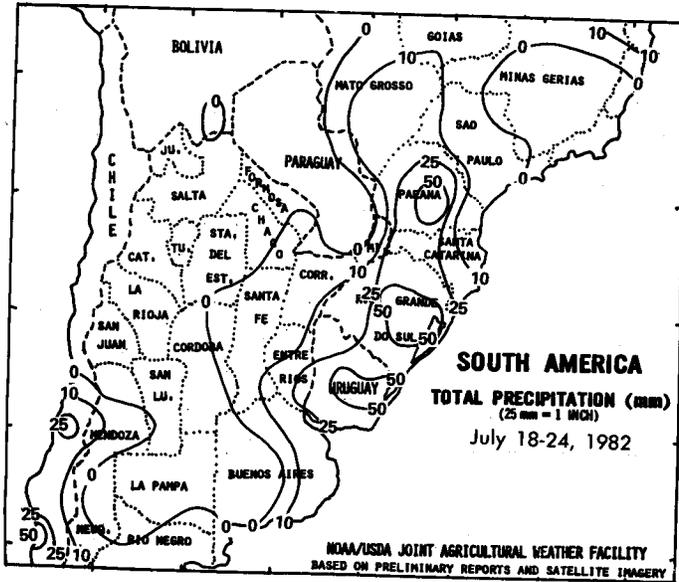
1. **UNITED STATES:** Warm temperatures favor corn silking and soybean blooming in the Corn Belt; a few western areas remain too wet. Hot, dry weather allows rapid harvesting of winter wheat in the central Plains and development of spring wheat further north. Rains over most of the East maintain good crop growing conditions.
2. **USSR:** Showers continue to plague harvest activity in the North Caucasus; in the New Lands, showers benefit spring grains in the north but too late for maturing grains in the south.
3. **EUROPE:** Wet weather in central areas delays winter grain harvest but beneficial to corn.
4. **SOUTH ASIA:** Monsoon strengthens and moves into Pakistan; crop conditions generally improved.
5. **EASTERN ASIA:** Rains improve crop conditions in Hebei and southern South Korea; too wet on southern part of the North China Plain.
6. **CANADA:** Beneficial rain for wheat in heading and filling stages throughout Prairies.
7. **SOUTHEAST ASIA:** Variable rainfall in Thailand has left some rainfed rice and corn areas too dry.
8. **SOUTH AMERICA:** Heavy showers promote weed growth as well as vegetative growth of wheat in southern Brazil; scattered showers in eastern wheat area of Argentina.
9. **AUSTRALIA:** Light showers provide only minimal relief in eastern wheat areas as drought conditions worsen; beneficial showers aid wheat growth in west.
10. **MEXICO:** Rains help corn and beans in the southern Plateau while hot, dry weather stresses citrus over the northeast.



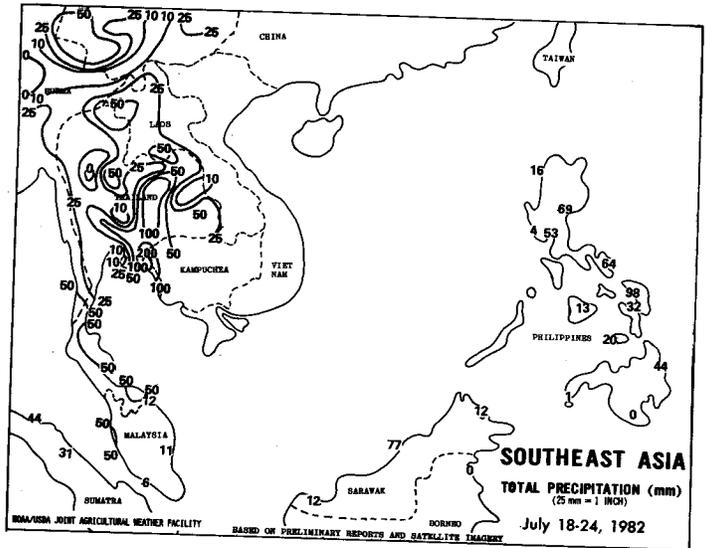
USSR: Showers fell late in the week over parts of the northwest Ukraine, causing only minor delays in the winter grain harvest. Overall, most of the Ukraine had favorable harvest weather. A light precipitation pattern continued over the Black Soils and Volga Valley regions, aiding harvest activity. In contrast, wet weather over the central North Caucasus continued to aggravate harvest efforts. Corn and sunflowers grown in the Ukraine and North Caucasus are in the early reproductive stages and would benefit from additional moisture. In addition, fieldwork for winter grain sowing began in the North Caucasus with sowing to begin by the end of August. Wet weather over crop areas of the Central Region and

Volga Vyatsk provided favorable moisture for spring grains. Weekly temperatures over the European USSR were near normal in the west and below normal in the east.

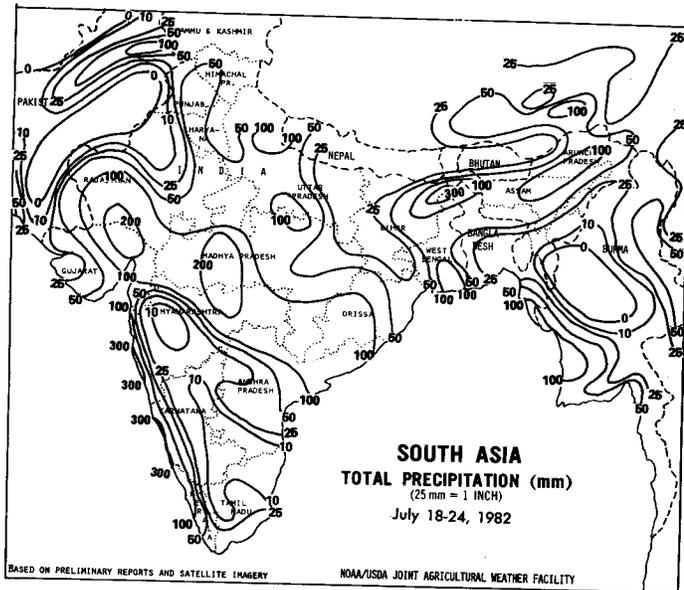
In the New Lands, scattered showers fell over northern and eastern spring grain areas late in the week. Precipitation ranged from 10 to 25 mm, benefiting spring grains which are in the grain-filling stage. The moisture falling on southeastern crop areas around Pavlodar and Semipalatinsk came too late as grains grown in these areas are maturing. Light, scattered showers also fell over southwestern spring grain areas but had little impact on the maturing crop. Weekly temperatures were below normal over the entire region.



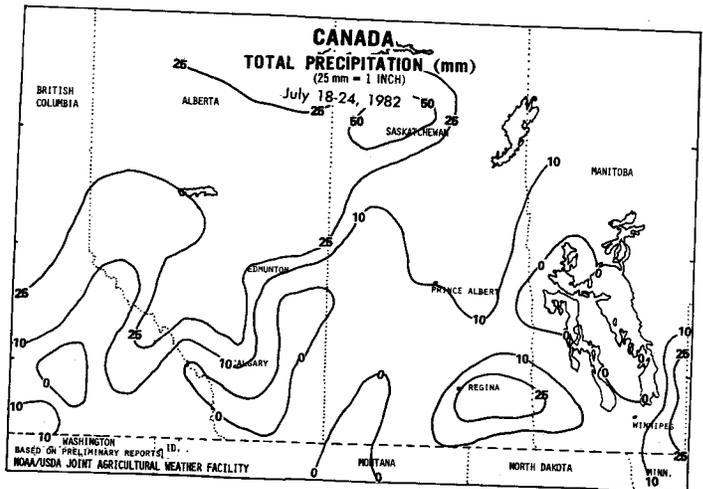
SOUTH AMERICA: Locally heavy showers again were concentrated over southern Brazil. Some areas of central Parana and eastern Rio Grande do Sul received over 50 mm of weekly rainfall. These crop areas have received abundant moisture over the past several weeks, leading to reports of delayed wheat planting and coffee harvesting and of excessive weed growth. Drier weather prevailed in most coffee areas, aiding the harvest this week. Beneficial, light showers fell over eastern wheat areas of Argentina before the frontal system intensified further to the northeast. Western crop areas of La Pampa and southern Buenos Aires were dry and seasonally cool.



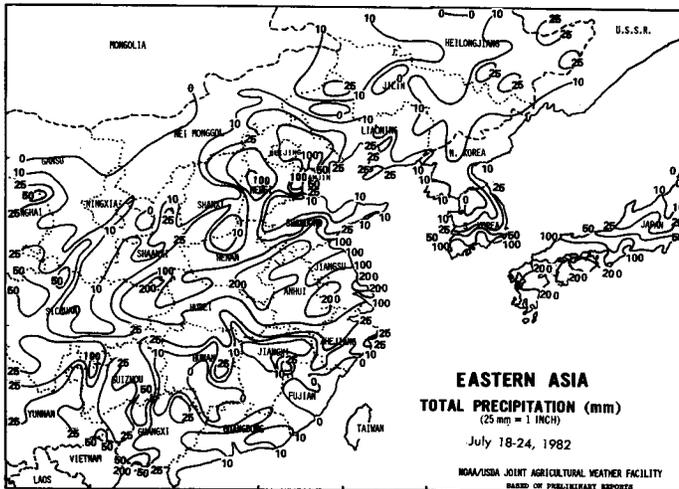
SOUTHEAST ASIA: The erratic nature of the summer rains persisted in Thailand. Well-above-normal rainfall in some rainfed rice areas of the east contrasted with scanty rain in other parts of that region, and crop prospects remained mixed. Likewise, variability was characteristic of the rainfall pattern in corn-growing areas. As the crop neared maturity, relatively good yields were expected from some areas, but others have likely suffered moderate losses. Reservoir source areas of the north had continued below-normal rainfall. Water supplies may be adequate for current crop needs on the Central Plains, but fall crops will suffer if irrigation cannot be done once the rains end. Temperatures held near normal. Satellite imagery indicated that rainfall in Kampuchea, Laos, and Vietnam was only slightly less than in Thailand.



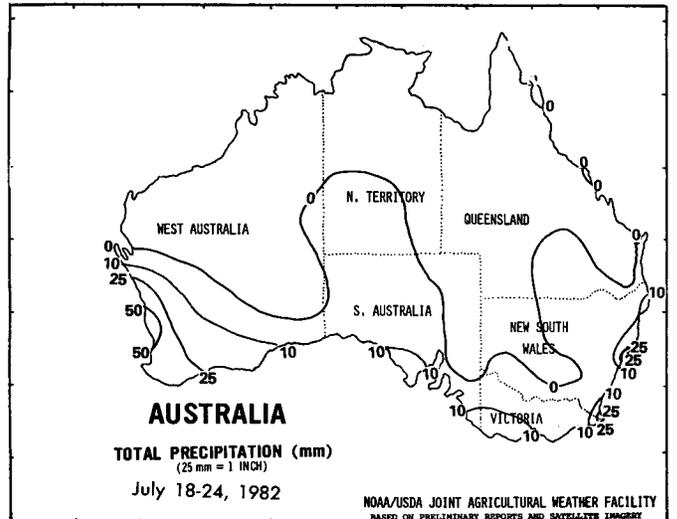
SOUTH ASIA: Rainfall increased over most of India and Bangladesh and spread into Pakistan. Many locations had substantially greater-than-normal rainfall. Dry areas persisted, however, most notably near the borders of Nepal and the Indian States of Bihar and Uttar Pradesh, to the northeast of the hills along India's southwest coast, and in parts of Rajasthan. The moisture markedly improved growing conditions and brightened the overall crop outlook for India. Temperatures were slightly above normal over most of the region but were near normal in peninsular India.



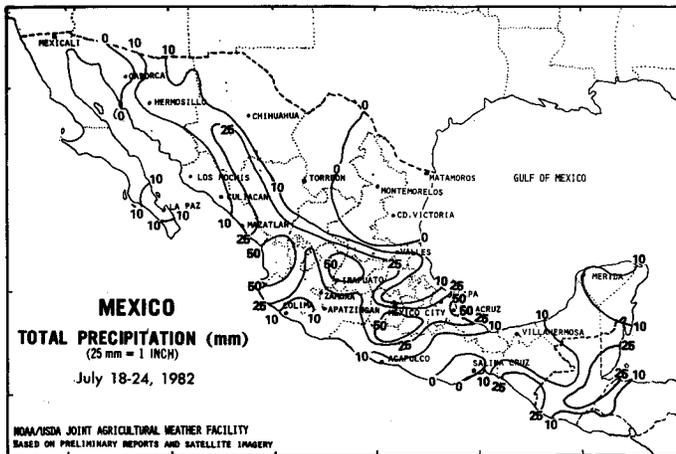
CANADA: Widespread showers produced beneficial moisture for wheat growth throughout the Prairie Provinces. Southeastern Saskatchewan, where persistent dryness had caused moisture stress during much of the early growth stages, especially welcomed the rain. Crop conditions had been rated fair in this portion of the wheat belt prior to the rains. Elsewhere, the rainfall maintained good to excellent growing conditions for wheat, barley, and other crops which have mostly progressed from the reproductive to the early grain-formation stages of development. In fact, the wheat crop was over 80 to 90 percent headed in much of the grain belt. Additional moisture would still be beneficial for crop development in southeastern Saskatchewan.



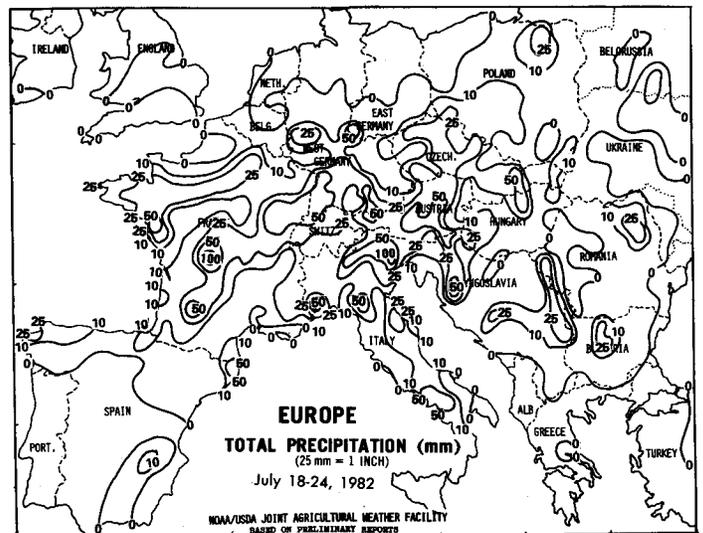
EASTERN ASIA: Heavy rainfall continued across southern portions of the North China Plain until late in the week. Many locations likely had some difficulty handling the excessive water in fields. Hubei cotton areas were spared the wetness, but cotton fields in southern Jiangsu had rains far above normal. Mostly dry weather persisted south of the Yangtze River. These conditions favored harvesting of early rice along the south coast, but some parts of the south have had very little rain for 4 consecutive weeks and could use additional moisture. Most of Hebei had generous rains which improved crop conditions. Scattered showers in northeastern China benefited localized areas, but most crop areas remained detrimentally dry. Temperatures were normal or slightly below in the northeast, substantially below normal in the wet area on the North China Plain, and near normal elsewhere. In South Korea, above-normal rains in the south substantially improved rice-growing conditions, but a return of dry weather in the north dimmed crop prospects. Temperatures were near normal in the north and slightly below normal in the south.



AUSTRALIA: Some light showers fell in eastern Australia, but weekly amounts were insignificant to benefit wheat in Queensland, New South Wales, and Victoria. Reports indicate that only about 80 percent of the wheat crop has been planted due to the lack of moisture. Substantial rains are needed very soon in order to plant crops in these areas. Otherwise, conditions will deteriorate beyond the point where even the shorter growth-cycle barley with its greater tolerance of dryness cannot be planted. The prolonged dry spell has seriously affected yield prospects throughout the area. In Western Australia, beneficial rains aided early growth of wheat. Moisture conditions are generally favorable for growth in western crop areas.



MEXICO: Rains continued over the southern Plateau, benefiting corn and beans. The northeast remained hot and dry, allowing the harvesting of grain sorghum and corn but further stressing rainfed citrus. Tropical rains, falling over the northwestern mountainous watersheds, increased irrigation supplies.



EUROPE: Wet weather covered the area from France eastward through southern West Germany and Italy, extending through Austria. Locally heavy showers were reported late in the week with amounts ranging from 50 to 100 mm. Those areas which received the heaviest rainfall may have had local flooding. Overall, the precipitation favored the corn crop but may have caused some delays in winter grain harvest activity. The precipitation falling on Italy brought some relief to the dry conditions of past weeks. Elsewhere, light, scattered precipitation fell on most crop areas, causing only minor delays in winter grain harvest activity which now extends into northern Europe.

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National Weather Summary

(continued from front page)

FRIDAY... Severe thunderstorms scattered over Arizona and spread northward into Nevada and Utah and northeastward to eastern Montana and into the Dakotas. Thunderstorms and showers covered the Southeast from Maryland to Florida and across the South through Texas. No rain fell over the Corn Belt, but temperatures benefited corn propagating.

SATURDAY... Thunderstorms scattered from southern Louisiana to the Carolinas and through Tennessee. In the West, the pattern of scattered showers and thunderstorms remained about the same as the day before but spread into southern California and across the northern Plains to the upper Mississippi Valley. High temperatures warmed to the high eighties through the Corn Belt and the nineties in most of the Plains.

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