

WEEKLY WEATHER AND CROP BULLETIN

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

U.S. DEPARTMENT OF AGRICULTURE
National Agricultural Statistics Service and
World Agricultural Outlook Board

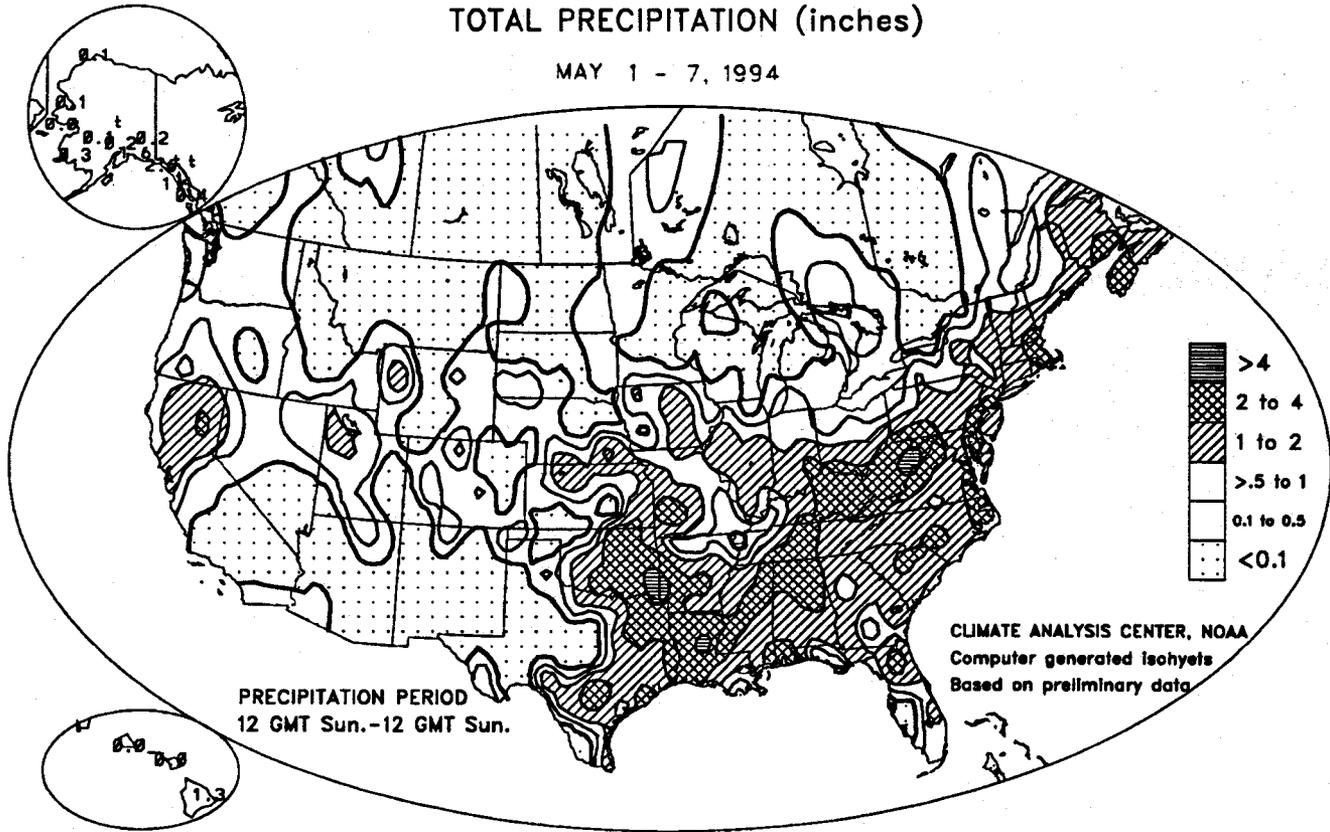
Volume 81, No. 19

Washington, D.C.

May 10, 1994

TOTAL PRECIPITATION (inches)

MAY 1 - 7, 1994



HIGHLIGHTS

May 1 - 7, 1994

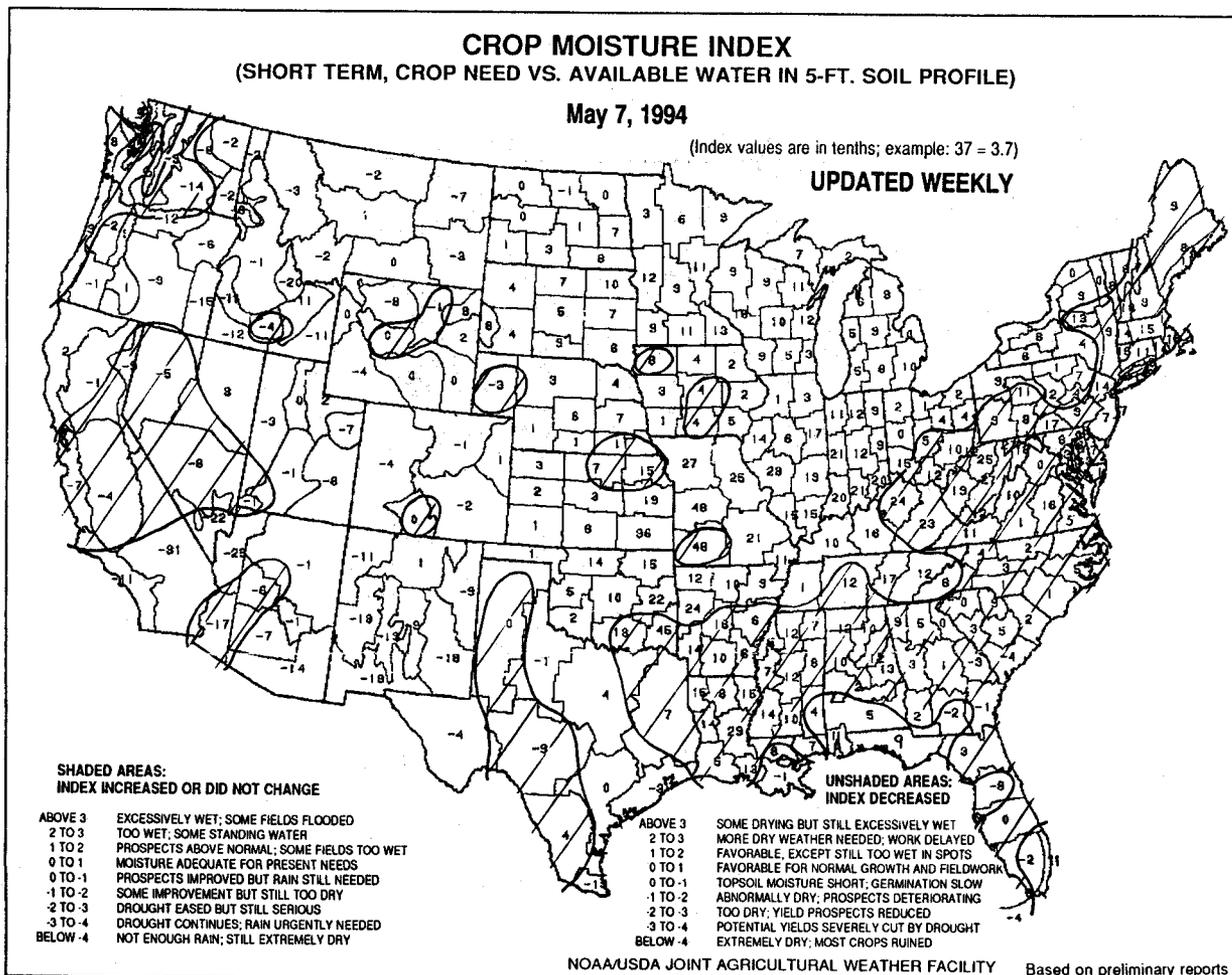
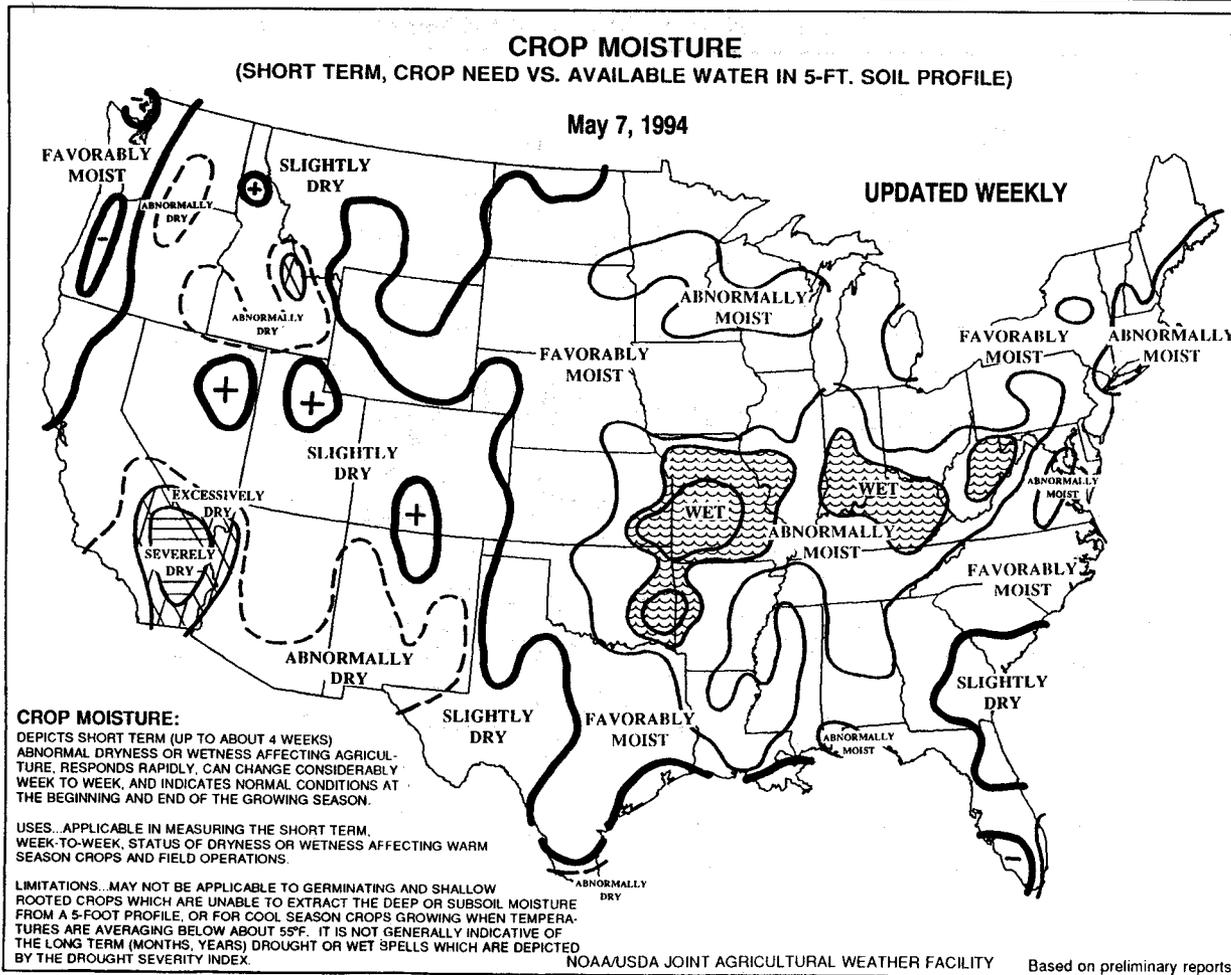
Cool weather prevailed from the Plains eastward. An early- to mid-week storm delivered beneficial moisture to the Southeast, while a late-week storm sparked heavy rain from the central Plains to the northern Middle Atlantic States. As rain overspread the South Central and Southeastern States early in the week, a chill covered areas to the north. Lows on Sunday fell to 32°F in Wichita, KS and to 24°F in Lincoln, NE. A day later, daily records included 30-degree readings in Ohio at Cincinnati and Columbus. Cool weather also existed underneath the storm's cloud shield. In Arkansas on Monday, highs of 50°F in Little Rock and 49°F in Fort Smith established record-low maxima for May. Greensboro, NC, with 49°F, tied its lowest maximum temperature for May on Wednesday. Rain totaled 3.09 inches on May 1 in San Antonio, TX, and 3.35 inches on May 4 in Savannah, GA.

(Continued to p. 8)

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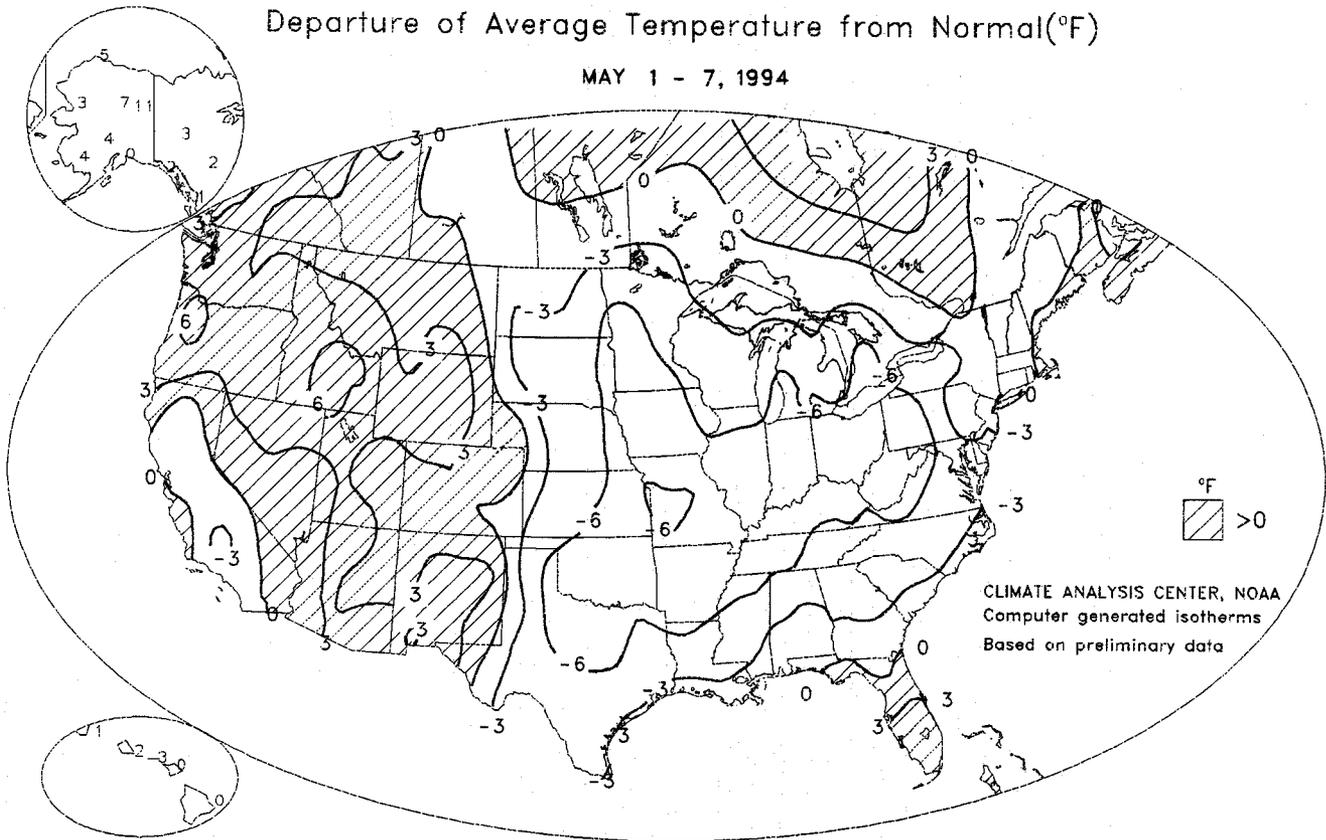
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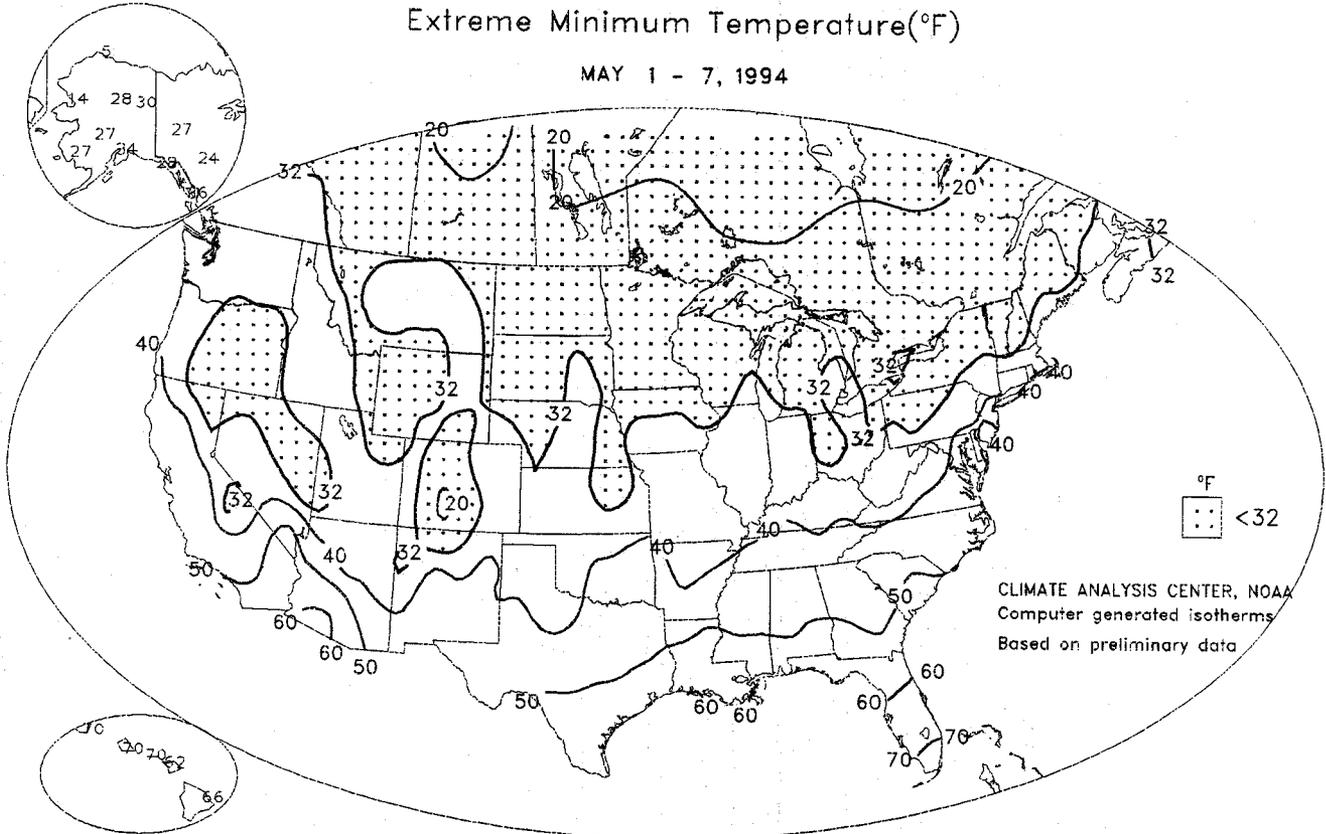
Departure of Average Temperature from Normal(°F)

MAY 1 - 7, 1994



Extreme Minimum Temperature(°F)

MAY 1 - 7, 1994



National Weather Data for Selected Cities

Weather Data for the Week Ending May 7, 1994

| 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 Mar 1 | PCT. NORMAL SINCE Mar 1 | TOTAL, IN., SINCE Jan 1 | PCT. NORMAL SINCE Jan 1 | AVERAGE | MAXIMUM | MINIMUM | 90 AND ABOVE | 32 AND BELOW | TEMP. °F | | PRECIP. | |
| | | | | | | | | | | | | | | | | | | | .01 INCH OR MORE | .50 INCH OR MORE | | |
| AL BIRMINGHAM | 75 | 50 | 81 | 44 | 63 | -4 | 2.4 | 1.2 | 1.3 | 13.7 | 111 | 23.6 | 107 | 95 | 50 | 0 | 0 | 0 | 2 | 2 | | |
| MOBILE | 79 | 60 | 83 | 54 | 70 | -2 | 2.0 | .7 | 2.0 | 11.8 | 97 | 19.7 | 88 | 93 | 52 | 0 | 0 | 0 | 1 | 1 | | |
| MONTGOMERY | 80 | 56 | 85 | 51 | 68 | 0 | .9 | .0 | .9 | 9.8 | 86 | 20.0 | 92 | 93 | 49 | 0 | 0 | 0 | 1 | 1 | | |
| AK ANCHORAGE | 49 | 37 | 52 | 34 | 43 | 0 | .2 | .1 | .2 | 2.1 | 137 | 3.0 | 96 | 88 | 51 | 0 | 0 | 0 | 2 | 2 | | |
| BARROW | 21 | 13 | 27 | 5 | 17 | 6 | .1 | .0 | .0 | .3 | 48 | .3 | 41 | 90 | 83 | 0 | 7 | 0 | 0 | 0 | | |
| FAIRBANKS | 62 | 31 | 67 | 27 | 47 | 4 | T | .1 | T | .2 | 35 | 1.1 | 62 | 92 | 23 | 0 | 5 | 2 | 2 | 0 | | |
| JUNEAU | 51 | 40 | 57 | 36 | 46 | 2 | .8 | .1 | .8 | 8.3 | 122 | 17.3 | 115 | 95 | 54 | 0 | 0 | 0 | 2 | 2 | | |
| KODIAK | 49 | 37 | 51 | 34 | 43 | 2 | 1.5 | .3 | .9 | 18.4 | 184 | 34.6 | 152 | 93 | 58 | 0 | 0 | 0 | 1 | 1 | | |
| NOME | 40 | 29 | 46 | 20 | 35 | 6 | T | .1 | T | 1.5 | 109 | 2.8 | 100 | 85 | 67 | 0 | 4 | 4 | 0 | 0 | | |
| AZ PHOENIX | 91 | 63 | 97 | 59 | 77 | 2 | .0 | .0 | .0 | 1.5 | 126 | 2.1 | 85 | 41 | 11 | 4 | 4 | 0 | 0 | 0 | | |
| PRESCOTT | 75 | 45 | 83 | 41 | 60 | 6 | .0 | .2 | .0 | 1.5 | 54 | 2.8 | 48 | 51 | 15 | 0 | 0 | 0 | 0 | 0 | | |
| TUCSON | 92 | 58 | 98 | 52 | 75 | 4 | .0 | .1 | .0 | 1.2 | 111 | 2.2 | 85 | 43 | 7 | 0 | 0 | 0 | 0 | 0 | | |
| YUMA | 90 | 64 | 97 | 61 | 77 | 1 | .0 | .0 | .0 | .1 | 29 | .4 | 39 | 40 | 13 | 4 | 4 | 0 | 0 | 0 | | |
| AR FORT SMITH | 70 | 49 | 81 | 44 | 60 | -6 | 1.6 | .5 | 1.3 | 9.8 | 108 | 17.2 | 126 | 92 | 57 | 0 | 0 | 0 | 0 | 0 | | |
| LITTLE ROCK | 69 | 50 | 82 | 40 | 59 | -7 | .9 | .3 | .7 | 10.9 | 103 | 19.4 | 113 | 85 | 56 | 0 | 0 | 0 | 3 | 1 | | |
| CA BAKERSFIELD | 77 | 52 | 84 | 49 | 65 | -3 | T | .0 | T | 2.1 | 124 | 4.0 | 111 | 59 | 15 | 0 | 0 | 0 | 3 | 1 | | |
| EUREKA | 61 | 50 | 64 | 44 | 55 | 4 | .3 | .1 | .2 | 5.7 | 65 | 17.9 | 92 | 91 | 64 | 0 | 0 | 0 | 2 | 0 | | |
| FRESNO | 75 | 53 | 83 | 49 | 64 | -1 | .5 | .4 | .5 | 2.4 | 82 | 5.5 | 83 | 85 | 19 | 0 | 0 | 0 | 2 | 0 | | |
| LOS ANGELES | 65 | 54 | 67 | 53 | 60 | -2 | T | .1 | T | 1.5 | 54 | 6.2 | 81 | 88 | 44 | 0 | 0 | 0 | 1 | 0 | | |
| REDDING | 71 | 51 | 76 | 45 | 61 | -1 | 1.0 | .6 | .5 | 4.8 | 70 | 14.5 | 84 | 96 | 49 | 0 | 0 | 0 | 2 | 0 | | |
| SACRAMENTO | 74 | 51 | 79 | 46 | 62 | 0 | .9 | .7 | .5 | 1.5 | 40 | 6.2 | 59 | 95 | 46 | 0 | 0 | 0 | 5 | 1 | | |
| SAN DIEGO | 65 | 56 | 68 | 54 | 61 | -2 | T | .1 | T | 4.6 | 175 | 8.0 | 134 | 85 | 43 | 0 | 0 | 0 | 1 | 0 | | |
| SAN FRANCISCO | 63 | 52 | 66 | 50 | 58 | 1 | 1.1 | 1.0 | .6 | 2.5 | 55 | 10.2 | 85 | 94 | 62 | 0 | 0 | 0 | 1 | 0 | | |
| CO DENVER | 71 | 44 | 84 | 37 | 57 | 4 | T | .5 | T | 2.8 | 79 | 4.2 | 91 | 91 | 36 | 0 | 0 | 0 | 1 | 0 | | |
| GRAND JUNCTION | 75 | 46 | 84 | 38 | 61 | 2 | .1 | .3 | T | 2.1 | 92 | 2.9 | 85 | 91 | 19 | 0 | 0 | 0 | 0 | 0 | | |
| PUEBLO | 73 | 39 | 85 | 29 | 56 | -1 | .1 | .1 | .1 | 3.1 | 161 | 3.8 | 149 | 95 | 36 | 0 | 1 | 1 | 2 | 0 | | |
| CT BRIDGEPORT | 64 | 46 | 70 | 42 | 55 | 1 | .8 | .1 | .1 | 9.4 | 111 | 17.7 | 120 | 82 | 39 | 0 | 0 | 0 | 4 | 1 | | |
| HARTFORD | 66 | 42 | 74 | 37 | 54 | -2 | .6 | .3 | .2 | 8.8 | 105 | 18.1 | 120 | 79 | 35 | 0 | 0 | 0 | 4 | 0 | | |
| DC WASHINGTON | 66 | 48 | 77 | 44 | 57 | -6 | 1.2 | .4 | .6 | 11.2 | 169 | 19.7 | 163 | 88 | 45 | 0 | 0 | 0 | 4 | 0 | | |
| FL APALACHICOLA | 82 | 62 | 86 | 53 | 72 | 1 | .2 | .3 | .2 | 6.9 | 91 | 15.8 | 104 | .. | .. | 0 | 0 | 0 | 4 | 0 | | |
| DAYTONA BEACH | 83 | 65 | 90 | 59 | 74 | 2 | 1.5 | .9 | 1.4 | 10.0 | 174 | 18.2 | 157 | 97 | 54 | 1 | 0 | 0 | 2 | 1 | | |
| JACKSONVILLE | 83 | 62 | 87 | 54 | 72 | 0 | 1.7 | 1.1 | 1.7 | 5.4 | 79 | 12.9 | 93 | 99 | 54 | 0 | 0 | 0 | 3 | 1 | | |
| KEY WEST | 87 | 77 | 89 | 70 | 82 | 2 | .6 | .0 | .5 | 3.4 | 84 | 8.0 | 102 | 83 | 63 | 0 | 0 | 0 | 3 | 1 | | |
| MIAMI | 86 | 75 | 89 | 73 | 81 | 3 | .6 | .5 | .5 | 4.6 | 74 | 13.9 | 134 | 83 | 54 | 0 | 0 | 0 | 2 | 0 | | |
| ORLANDO | 87 | 66 | 90 | 63 | 77 | 2 | .7 | .1 | .6 | 4.9 | 88 | 12.5 | 115 | 92 | 49 | 2 | 0 | 0 | 2 | 0 | | |
| TALLAHASSEE | 84 | 58 | 89 | 48 | 71 | 0 | 3.3 | 2.4 | 3.1 | 18.5 | 170 | 29.4 | 139 | 93 | 47 | 0 | 0 | 0 | 3 | 1 | | |
| TAMPA | 87 | 69 | 89 | 62 | 78 | 3 | T | .4 | T | 4.1 | 89 | 8.3 | 85 | 92 | 53 | 0 | 0 | 0 | 1 | 0 | | |
| WEST PALM BEACH | 86 | 74 | 92 | 69 | 80 | 3 | .1 | .1 | .1 | 10.4 | 147 | 19.6 | 157 | 84 | 54 | 1 | 0 | 0 | 2 | 0 | | |
| GA ATLANTA | 74 | 52 | 83 | 47 | 63 | -3 | .6 | .4 | .6 | 10.1 | 91 | 18.9 | 92 | 94 | 55 | 0 | 0 | 0 | 1 | 0 | | |
| AUGUSTA | 75 | 52 | 87 | 44 | 63 | -4 | .2 | .6 | .2 | 7.7 | 88 | 15.9 | 93 | 96 | 51 | 0 | 0 | 0 | 1 | 0 | | |
| MACON | 76 | 54 | 83 | 46 | 65 | -4 | 1.7 | .9 | 1.3 | 9.4 | 104 | 17.7 | 96 | 96 | 52 | 0 | 0 | 0 | 2 | 1 | | |
| SAVANNAH | 79 | 60 | 88 | 55 | 70 | -1 | 3.4 | 2.6 | 3.4 | 9.2 | 121 | 14.7 | 102 | 96 | 53 | 0 | 0 | 0 | 1 | 1 | | |
| HI HILO | 82 | 67 | 83 | 66 | 74 | 1 | 1.3 | 1.5 | .7 | 26.5 | 83 | 62.4 | 120 | 89 | 67 | 0 | 0 | 0 | 5 | 1 | | |
| HONOLULU | 86 | 72 | 87 | 70 | 79 | 2 | T | .3 | T | 3.7 | 91 | 11.1 | 113 | 75 | 51 | 0 | 0 | 0 | 0 | 0 | | |
| KAHULUI | 85 | 66 | 87 | 62 | 75 | 0 | T | .3 | T | 5.2 | 108 | 7.5 | 64 | 76 | 52 | 0 | 0 | 0 | 0 | 0 | | |
| LIHOE | 81 | 72 | 82 | 70 | 76 | 1 | T | .8 | T | 4.9 | 58 | 15.6 | 88 | 87 | 72 | 0 | 0 | 0 | 1 | 0 | | |
| ID BOISE | 72 | 45 | 79 | 33 | 58 | 4 | .1 | .2 | .1 | 1.5 | 54 | 3.7 | 70 | 78 | 28 | 0 | 0 | 0 | 2 | 0 | | |
| LEWISTON | 73 | 46 | 87 | 37 | 60 | 5 | T | .3 | T | 1.8 | 73 | 3.4 | 74 | 74 | 32 | 0 | 0 | 0 | 1 | 0 | | |
| POCATELLO | 70 | 42 | 80 | 31 | 56 | 6 | .5 | .2 | .2 | 1.0 | 36 | 2.9 | 61 | 91 | 28 | 0 | 1 | 5 | 0 | 0 | | |
| IL CHICAGO | 60 | 38 | 69 | 35 | 49 | -5 | .2 | .6 | .2 | 3.5 | 49 | 8.1 | 81 | 83 | 40 | 0 | 0 | 0 | 2 | 0 | | |
| MOLINE | 64 | 39 | 73 | 34 | 51 | -6 | .7 | .3 | .3 | 3.9 | 50 | 7.6 | 72 | 92 | 40 | 0 | 0 | 0 | 3 | 0 | | |
| PEORIA | 63 | 42 | 76 | 36 | 53 | -5 | .7 | .1 | .3 | 5.3 | 70 | 8.1 | 78 | 93 | 51 | 0 | 0 | 0 | 3 | 0 | | |
| QUINCY | 61 | 44 | 75 | 33 | 52 | -7 | .5 | .5 | .5 | 7.1 | 90 | 7.8 | 72 | 84 | 50 | 0 | 0 | 0 | 2 | 0 | | |
| ROCKFORD | 63 | 38 | 69 | 33 | 51 | -4 | .1 | .7 | .1 | 3.9 | 56 | 7.9 | 85 | 87 | 36 | 0 | 0 | 0 | 2 | 0 | | |
| SPRINGFIELD | 62 | 43 | 77 | 36 | 53 | -7 | 1.2 | .4 | .9 | 10.6 | 137 | 12.8 | 116 | 88 | 51 | 0 | 0 | 0 | 3 | 1 | | |
| IN EVANSVILLE | 65 | 47 | 79 | 36 | 56 | -7 | .5 | .6 | .4 | 8.2 | 80 | 13.7 | 82 | 88 | 57 | 0 | 0 | 0 | 2 | 0 | | |
| FORT WAYNE | 61 | 40 | 73 | 33 | 50 | -6 | .4 | .4 | .3 | 8.3 | 117 | 11.8 | 109 | 91 | 45 | 0 | 0 | 0 | 2 | 0 | | |
| INDIANAPOLIS | 60 | 43 | 74 | 33 | 52 | -7 | .8 | .1 | .4 | 7.3 | 87 | 11.4 | 87 | 90 | 54 | 0 | 0 | 0 | 3 | 0 | | |
| SOUTH BEND | 59 | 37 | 70 | 33 | 48 | -7 | .4 | .3 | .4 | 4.1 | 54 | 8.0 | 68 | 88 | 47 | 0 | 0 | 0 | 3 | 0 | | |
| IA DES MOINES | 60 | 42 | 66 | 33 | 51 | -6 | .5 | .4 | .2 | 3.4 | 51 | 6.3 | 73 | 92 | 44 | 0 | 0 | 0 | 4 | 0 | | |
| SIOUX CITY | 59 | 41 | 75 | 28 | 50 | -7 | .2 | .5 | .1 | 2.6 | 52 | 4.4 | 69 | 89 | 43 | 0 | 1 | 2 | 0 | 0 | | |
| WATERLOO | 62 | 38 | 68 | 31 | 50 | -6 | .7 | .1 | .5 | 3.5 | 54 | 5.6 | 68 | 94 | 40 | 0 | 2 | 2 | 1 | 1 | | |
| KS CONCORDIA | 63 | 43 | 79 | 31 | 53 | -5 | .8 | .0 | .6 | 2.6 | 48 | 3.4 | 51 | 96 | 61 | 0 | 1 | 1 | 2 | 1 | | |
| DODGE CITY | 66 | 45 | 82 | 32 | 55 | -5 | .1 | .5 | .0 | 2.0 | 48 | 2.9 | 54 | 98 | 61 | 0 | 1 | 1 | 3 | 0 | | |
| GOODLAND | 68 | 42 | 86 | 32 | 55 | -1 | .4 | .3 | .3 | 3.4 | 108 | 3.8 | 98 | 96 | 50 | 0 | 1 | 3 | 0 | 0 | | |
| TOPEKA | 65 | 44 | 79 | 31 | 55 | -6 | .4 | .4 | .4 | 5.0 | 77 | 6.2 | 74 | 98 | 56 | 0 | 1 | 2 | 0 | 0 | | |
| WICHITA | 66 | 46 | 78 | 32 | 56 | -7 | T | .8 | T | 4.1 | 65 | 4.1 | 49 | 95 | 56 | 0 | 1 | 0 | 0 | 0 | | |
| KY BOWLING GREEN | 64 | 47 | 78 | 41 | 56 | -7 | 1.6 | .5 | .9 | 14.2 | 135 | 26.0 | 141 | 91 | 60 | 0 | 0 | 0 | 2 | 2 | | |
| LEXINGTON | 60 | 45 | 70 | 35 | 53 | -8 | 2.6 | 1.6 | 2.1 | 14.7 | 158 | 23.6 | 153 | 96 | 63 | 0 | 0 | 0 | 3 | 1 | | |
| LOUISVILLE | 62 | 47 | 74 | 35 | 55 | -7 | .9 | .1 | .5 | 10.2 | 102 | 17.2 | 107 | 95 | 60 | 0 | 0 | 0 | 3 | 0 | | |
| LA BATON ROUGE | 78 | 60 | 84 | 57 | 69 | -4 | 1.0 | .2 | .6 | 13.5 | 119 | 23.1 | 106 | 97 | 64 | 0 | 0 | 0 | 3 | 1 | | |
| LAKE CHARLES | 78 | 62 | 83 | 59 | 70 | -3 | .5 | .7 | .4 | 5.5 | 70 | 10.8 | 68 | 93 | 65 | 0 | 0 | 0 | 3 | 0 | | |
| NEW ORLEANS | 81 | 62 | 85 | 53 | 72 | -1 | .3 | .6 | .2 | 8.0 | 77 | 11.8 | 55 | 93 | 51 | 0 | 0 | 0 | 4 | 0 | | |
| SHREVEPORT | 75 | 55 | 84 | 49 | 65 | -5 | 1.9 | .7 | 1.1 | 9.2 | 100 | 17.9 | 101 | 92 | 60 | 0 | 0 | 0 | 3 | 1 | | |

Based on 1961-90 normals.

Weather Data for the Week Ending May 7, 1994

| 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 Mar 1 | PCT. NORMAL SINCE Mar 1 | TOTAL, IN. SINCE Jan 1 | PCT. NORMAL SINCE Jan 1 | AVERAGE | MAXIMUM | AVERAGE MINIMUM | 90 AND ABOVE | 32 AND BELOW | TEMP. °F | | PRECIP. | |
| | | | | | | | | | | | | | | | | | | | .01 INCH OR MORE | .50 INCH OR MORE | | |
| ME CARIBOU | 53 | 37 | 70 | 30 | 45 | -1 | 1.2 | .5 | .6 | 6.8 | 123 | 11.9 | 120 | 78 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PORTLAND | 60 | 39 | 71 | 35 | 50 | 0 | 1.4 | .6 | .9 | 11.1 | 129 | 17.7 | 114 | 90 | 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MD BALTIMORE | 65 | 45 | 76 | 41 | 55 | -4 | 1.4 | .6 | .7 | 12.6 | 172 | 21.2 | 157 | 87 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SALISBURY | 66 | 45 | 76 | 38 | 56 | -4 | 1.0 | .3 | .6 | 12.1 | 148 | 20.8 | 136 | 96 | 54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MA BOSTON | 64 | 45 | 73 | 44 | 55 | 1 | 1.9 | 1.1 | 1.3 | 11.6 | 145 | 19.8 | 130 | 79 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CHATHAM | 57 | 45 | 61 | 41 | 51 | 1 | 2.5 | 1.6 | 1.7 | 13.9 | 164 | 23.2 | 144 | 89 | 63 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MI ALPENA | 58 | 33 | 63 | 28 | 45 | -2 | .2 | -.4 | -.1 | 4.2 | 84 | 7.1 | 91 | 91 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| DETROIT | 60 | 40 | 71 | 33 | 50 | -4 | .4 | -.3 | -.4 | 6.7 | 110 | 10.9 | 113 | 81 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| FLINT | 59 | 36 | 67 | 31 | 47 | -6 | .3 | -.3 | -.3 | 7.0 | 123 | 9.7 | 116 | 87 | 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GRAND RAPIDS | 58 | 34 | 64 | 29 | 46 | -7 | .4 | -.3 | -.4 | 5.1 | 76 | 9.5 | 95 | 89 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HOUGHTON LAKE | 60 | 35 | 66 | 29 | 48 | -3 | .2 | -.4 | -.2 | 4.5 | 94 | 7.8 | 105 | 94 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LANSING | 59 | 34 | 67 | 30 | 46 | -6 | .4 | -.3 | -.3 | 5.9 | 103 | 8.9 | 105 | 94 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MARQUETTE | 55 | 32 | 64 | 26 | 43 | -3 | .4 | -.6 | -.4 | 4.6 | 76 | 6.7 | 67 | 78 | 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MUSKEGON | 55 | 33 | 61 | 27 | 44 | -8 | .1 | -.5 | -.1 | 3.9 | 64 | 9.2 | 93 | 90 | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SAULT ST. MARIE | 56 | 31 | 65 | 28 | 43 | -3 | .4 | -.2 | -.3 | 4.2 | 80 | 7.4 | 93 | 90 | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MN ALEXANDRIA | 54 | 34 | 61 | 30 | 44 | -7 | .2 | -.3 | -.2 | 4.1 | 99 | 5.1 | 88 | 94 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| DULUTH | 55 | 33 | 64 | 29 | 44 | -2 | .2 | -.6 | -.2 | 5.2 | 109 | 7.7 | 113 | 73 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INT'L FALLS | 56 | 30 | 65 | 26 | 43 | -4 | .4 | -.4 | -.4 | 2.1 | 67 | 2.9 | 63 | 85 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MINNEAPOLIS | 61 | 38 | 69 | 30 | 49 | -5 | .7 | -.7 | -.7 | 4.1 | 82 | 6.1 | 89 | 86 | 39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ROCHESTER | 58 | 36 | 63 | 30 | 47 | -6 | .2 | -.5 | -.2 | 5.3 | 105 | 7.4 | 110 | 89 | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MS GREENWOOD | 75 | 53 | 83 | 45 | 64 | -5 | 1.5 | .2 | 1.1 | 11.6 | 96 | 18.4 | 86 | 94 | 54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| JACKSON | 74 | 54 | 81 | 50 | 64 | -5 | 1.9 | .6 | 1.9 | 11.9 | 93 | 26.3 | 114 | 95 | 56 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MERIDIAN | 78 | 54 | 84 | 50 | 66 | -2 | 1.1 | .0 | 1.1 | 12.8 | 96 | 27.6 | 115 | 93 | 47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MO CAPE GIRARDEAU | 68 | 49 | 78 | 41 | 59 | -5 | .2 | -1.0 | .2 | 10.7 | 101 | 18.2 | 108 | 89 | 54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| COLUMBIA | 64 | 45 | 78 | 35 | 55 | -5 | .9 | -.2 | .6 | 13.9 | 177 | 16.8 | 151 | 94 | 51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| KANSAS CITY | 64 | 45 | 79 | 34 | 55 | -6 | .9 | -.2 | .8 | 8.2 | 122 | 10.3 | 116 | 93 | 54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SAINT LOUIS | 64 | 48 | 78 | 39 | 56 | -6 | .7 | -.2 | .5 | 12.3 | 155 | 15.9 | 134 | 83 | 47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SPRINGFIELD | 66 | 46 | 77 | 39 | 56 | -5 | 3.2 | 2.2 | 3.0 | 16.8 | 191 | 21.0 | 168 | 90 | 55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MT BILLINGS | 69 | 42 | 82 | 35 | 55 | 4 | .2 | -.3 | .1 | 2.7 | 79 | 3.4 | 69 | 78 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLASGOW | 65 | 39 | 80 | 32 | 52 | 1 | .1 | -.2 | .1 | .9 | 62 | 1.9 | 94 | 91 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GREAT FALLS | 66 | 37 | 80 | 33 | 52 | 2 | .4 | -.5 | .4 | 2.1 | 70 | 3.2 | 70 | 84 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HAVRE | 67 | 37 | 82 | 33 | 52 | 2 | .4 | -.5 | .4 | 2.1 | 70 | 3.2 | 70 | 84 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HELENA | 69 | 38 | 82 | 35 | 53 | 4 | .1 | -.2 | .1 | 1.9 | 93 | 2.5 | 81 | 85 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| KALISPELL | 65 | 34 | 79 | 31 | 50 | 1 | .4 | -.4 | .4 | 1.5 | 60 | 3.5 | 68 | 93 | 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MILES CITY | 69 | 41 | 81 | 34 | 55 | 3 | .4 | -.4 | .4 | 1.8 | 75 | 2.9 | 85 | 92 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MISSOULA | 69 | 38 | 81 | 33 | 54 | 5 | .1 | -.2 | .1 | 3.6 | 159 | 4.5 | 103 | 87 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NE GRAND ISLAND | 61 | 43 | 81 | 36 | 52 | -5 | .1 | -.7 | .0 | 3.5 | 67 | 5.4 | 84 | 95 | 62 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LINCOLN | 61 | 41 | 79 | 26 | 51 | -7 | .7 | -.1 | .6 | 2.6 | 46 | 3.5 | 50 | 94 | 55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NORFOLK | 62 | 43 | 79 | 31 | 52 | -4 | .1 | -.6 | .1 | 2.1 | 43 | 3.7 | 60 | 93 | 47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NORTH PLATTE | 64 | 40 | 84 | 32 | 52 | -2 | .4 | -.3 | .2 | 1.9 | 48 | 2.7 | 57 | 92 | 54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| OMAHA | 63 | 45 | 81 | 32 | 54 | -4 | .7 | -.9 | .4 | 1.2 | 21 | 3.4 | 47 | 84 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SCOTTSBLUFF | 69 | 40 | 76 | 33 | 55 | 2 | .1 | -.4 | .1 | 2.8 | 88 | 4.2 | 100 | 96 | 36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VALENTINE | 65 | 37 | 73 | 29 | 51 | -4 | .2 | -.5 | .2 | 2.3 | 55 | 3.1 | 59 | 84 | 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NV RLY | 64 | 32 | 76 | 25 | 48 | 1 | .2 | -.1 | .1 | 2.9 | 133 | 4.6 | 129 | 90 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LAS VEGAS | 85 | 62 | 94 | 55 | 73 | 4 | .4 | -.1 | .4 | .1 | 18 | .7 | 39 | 31 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| RENO | 67 | 44 | 71 | 38 | 56 | 3 | .7 | .6 | .4 | 1.7 | 141 | 2.4 | 73 | 96 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WINNEVOCCA | 67 | 43 | 73 | 30 | 55 | 4 | .5 | .3 | .4 | 2.4 | 130 | 3.6 | 113 | 86 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NH CONCORD | 63 | 34 | 72 | 27 | 48 | -3 | 1.2 | .5 | .9 | 8.6 | 136 | 12.9 | 113 | 98 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NJ ATLANTIC CITY | 64 | 42 | 73 | 35 | 53 | -3 | .8 | .0 | .4 | 12.1 | 151 | 19.7 | 136 | 89 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NM ALBUQUERQUE | 79 | 51 | 89 | 45 | 65 | 5 | .4 | -.1 | .4 | .7 | 60 | .9 | 46 | 39 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CLOVIS | 77 | 49 | 90 | 34 | 63 | 1 | .4 | -.3 | .4 | 1.6 | 92 | 1.8 | 70 | 84 | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ROSWELL | 82 | 53 | 94 | 47 | 68 | 2 | .1 | -.1 | .1 | 1.1 | 112 | 1.2 | 64 | 87 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NY ALBANY | 65 | 42 | 72 | 39 | 53 | 0 | 1.2 | .5 | .7 | 9.0 | 135 | 14.0 | 124 | 79 | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| BINGHAMTON | 59 | 39 | 66 | 32 | 49 | -3 | .9 | .2 | .5 | 8.8 | 132 | 14.1 | 123 | 76 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| BUFFALO | 57 | 41 | 63 | 33 | 49 | -4 | .1 | -.6 | .1 | 6.8 | 108 | 11.1 | 98 | 83 | 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NEW YORK | 67 | 50 | 75 | 47 | 58 | 1 | 1.0 | .1 | .7 | 9.6 | 116 | 17.1 | 121 | 74 | 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ROCHESTER | 59 | 39 | 65 | 34 | 49 | -4 | .3 | -.3 | .2 | 6.1 | 111 | 10.4 | 107 | 87 | 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SYRACUSE | 59 | 40 | 68 | 34 | 49 | -4 | 1.0 | .2 | .4 | 11.4 | 166 | 16.7 | 147 | 90 | 55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NC ASHEVILLE | 67 | 44 | 78 | 37 | 56 | -5 | .7 | -.3 | .7 | 11.6 | 109 | 22.0 | 116 | 96 | 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CHARLOTTE | 72 | 51 | 85 | 48 | 62 | -2 | 1.0 | .2 | 1.0 | 8.2 | 104 | 14.4 | 93 | 85 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GREENSBORO | 68 | 47 | 82 | 42 | 58 | -5 | .8 | -.1 | .7 | 7.3 | 98 | 13.4 | 97 | 87 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HATTERAS | 73 | 60 | 80 | 57 | 66 | 3 | .8 | .0 | .7 | 9.2 | 106 | 19.6 | 108 | 86 | 62 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NEW BERN | 73 | 54 | 84 | 47 | 64 | -3 | 1.3 | .4 | 1.1 | 7.6 | 95 | 15.3 | 92 | 93 | 56 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| RALEIGH | 71 | 50 | 83 | 43 | 60 | -3 | 1.5 | .7 | .9 | 8.3 | 116 | 14.8 | 103 | 90 | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WILMINGTON | 74 | 55 | 86 | 48 | 65 | -1 | 2.1 | 1.3 | 2.0 | 11.2 | 135 | 21.5 | 124 | 97 | 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ND BISMARCK | 61 | 34 | 73 | 28 | 47 | -3 | .4 | -.4 | .4 | 1.7 | 60 | 2.8 | 73 | 93 | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| FARGO | 56 | 33 | 65 | 29 | 44 | -7 | .3 | -.2 | .3 | 3.8 | 113 | 5.1 | 113 | 90 | 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GRAND FORKS | 58 | 35 | 68 | 29 | 46 | -4 | .1 | -.3 | .1 | 1.6 | 59 | 2.9 | 74 | 88 | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WILLISTON | 62 | 35 | 74 | 31 | 48 | -3 | .4 | -.4 | .3 | 1.9 | 82 | 3.8 | 114 | 86 | 36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| OH AKRON-CANTON | 57 | 39 | 65 | 33 | 48 | -7 | .4 | -.4 | .3 | 9.7 | 133 | 14.9 | 127 | 90 | 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CINCINNATI | 59 | 43 | 71 | 30 | 51 | -9 | 1.5 | .5 | 1.1 | 10.1 | 113 | 15.0 | 106 | 97 | 61 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CLEVELAND | 57 | 38 | 68 | 31 | 48 | -6 | .3 | -.5 | .3 | 5.3 | 78 | 8.7 | 79 | 86 | 47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| COLUMBUS | 59 | 42 | 70 | 30 | 50 | -6 | .7 | -.2 | .6 | 6.3 | 83 | 11.7 | 99 | 91 | | | | | | | | |

Weather Data for the Week Ending May 7, 1994

| 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 Mar 1 | PCT. NORMAL SINCE Mar 1 | TOTAL IN., SINCE Jan 1 | PCT. NORMAL SINCE Jan 1 | AVERAGE | MAXIMUM | MINIMUM | 80 AND ABOVE | 32 AND BELOW | .01 INCH OR MORE | | .50 INCH OR MORE | |
| | | | | | | | | | | | | | | | | | | | TEMP. °F | PRECIP. | | |
| TOLEDO | 59 | 38 | 70 | 30 | 49 | -6 | .2 | -.5 | .2 | 7.1 | 113 | 11.8 | 122 | 89 | 46 | | | 1 | 1 | 0 | 0 | |
| YOUNGSTOWN | 58 | 36 | 64 | 27 | 47 | -5 | .3 | -.5 | .2 | 10.2 | 147 | 14.5 | 130 | 88 | 45 | | | 2 | 2 | 2 | 0 | |
| OK OKLAHOMA CITY | 68 | 50 | 82 | 42 | 59 | | .9 | | | 7.5 | 114 | 10.2 | 111 | 95 | 63 | | | 0 | 0 | 2 | 1 | |
| TULSA | 69 | 49 | 80 | 43 | 59 | | .4 | | | 10.3 | 124 | 13.2 | 111 | 92 | 60 | | | 0 | 2 | 2 | 0 | |
| OR ASTORIA | 64 | 44 | 74 | 39 | 54 | | 1.1 | | | 11.9 | 96 | 30.1 | 100 | 95 | 54 | | | 0 | 0 | 4 | 1 | |
| BURNS | 68 | 37 | 77 | 21 | 53 | | .7 | | | .7 | 38 | 1.5 | 41 | 80 | 29 | | | 1 | 1 | 1 | 0 | |
| MEDFORD | 73 | 46 | 85 | 34 | 59 | | .4 | | | 2.0 | 62 | 4.3 | 54 | 92 | 43 | | | 0 | 0 | 3 | 0 | |
| PENDLETON | 72 | 45 | 85 | 35 | 59 | | .3 | | | 1.3 | 53 | 4.6 | 89 | 75 | 28 | | | 0 | 0 | 1 | 0 | |
| PORTLAND | 72 | 48 | 85 | 41 | 60 | | .2 | | | 4.0 | 62 | 12.5 | 80 | 90 | 33 | | | 0 | 0 | 3 | 0 | |
| SALEM | 73 | 47 | 86 | 36 | 60 | | .8 | | | 5.1 | 72 | 13.6 | 78 | 85 | 34 | | | 0 | 0 | 3 | 0 | |
| PA ALLENTOWN | 66 | 45 | 74 | 38 | 56 | | 1.1 | | | 10.0 | 129 | 18.9 | 136 | 79 | 36 | | | 0 | 0 | 3 | 1 | |
| BRIS | 54 | 39 | 62 | 34 | 47 | | -.6 | | | 8.2 | 117 | 12.1 | 106 | 91 | 54 | | | 0 | 2 | 2 | 0 | |
| HARRISBURG | 63 | 47 | 73 | 39 | 55 | | -.3 | | | 1.7 | .8 | 1.3 | 11.0 | 147 | 19.8 | 150 | 88 | 40 | 0 | 4 | 1 | |
| PHILADELPHIA | 67 | 49 | 76 | 43 | 58 | | 1.4 | | | 1.0 | 10.7 | 129 | 18.2 | 123 | 76 | 38 | | | 0 | 4 | 1 | |
| PITTSBURGH | 58 | 41 | 63 | 35 | 49 | | -.7 | | | -.4 | -.4 | -.3 | 9.2 | 125 | 15.2 | 124 | 92 | 48 | 0 | 4 | 0 | |
| SCRANTON | 65 | 43 | 72 | 34 | 54 | | -.1 | | | .7 | .0 | .5 | 9.7 | 154 | 13.9 | 132 | 77 | 33 | 0 | 3 | 1 | |
| RI PROVIDENCE | 63 | 43 | 70 | 40 | 53 | | -.1 | | | 1.1 | .2 | .6 | 10.4 | 115 | 18.1 | 109 | 87 | 43 | 0 | 5 | 1 | |
| SC CHARLESTON | 77 | 59 | 84 | 54 | 68 | | -.2 | | | .7 | .0 | .5 | 5.4 | 70 | 14.1 | 98 | 93 | 60 | 0 | 2 | 1 | |
| COLUMBIA | 75 | 54 | 88 | 48 | 65 | | -.3 | | | 1.5 | .8 | 1.2 | 6.3 | 71 | 14.6 | 83 | 89 | 49 | 0 | 3 | 1 | |
| FLORENCE | 74 | 55 | 85 | 49 | 65 | | -.3 | | | 1.7 | 1.0 | 1.4 | 7.5 | 99 | 14.5 | 101 | 95 | 53 | 0 | 2 | 1 | |
| GREENVILLE | 72 | 48 | 83 | 44 | 60 | | -.5 | | | .7 | -.3 | .6 | 7.7 | 76 | 15.4 | 83 | 89 | 46 | 0 | 3 | 1 | |
| SD ABERDEEN | 58 | 40 | 69 | 31 | 49 | | -.4 | | | .7 | -.5 | .7 | 2.7 | 78 | 4.0 | 85 | 92 | 48 | 0 | 1 | 2 | 0 |
| HURON | 56 | 39 | 66 | 34 | 48 | | -.6 | | | .2 | -.4 | .1 | 3.2 | 74 | 4.8 | 90 | 92 | 60 | 0 | 3 | 0 | |
| RAPID CITY | 62 | 38 | 72 | 27 | 50 | | -.2 | | | .5 | -.1 | .2 | 2.0 | 58 | 3.1 | 72 | 92 | 47 | 0 | 1 | 3 | 0 |
| SIOUX FALLS | 59 | 40 | 70 | 31 | 50 | | -.5 | | | .7 | -.1 | .5 | 4.3 | 89 | 5.9 | 98 | 90 | 51 | 0 | 1 | 3 | 1 |
| TN CHATTANOOGA | 72 | 51 | 80 | 45 | 62 | | -.2 | | | 1.4 | -.4 | 1.0 | 18.2 | 160 | 32.0 | 152 | 97 | 60 | 0 | 3 | 1 | |
| KNOXVILLE | 68 | 49 | 78 | 45 | 59 | | -.4 | | | 1.2 | -.3 | .8 | 20.9 | 215 | 36.8 | 205 | 94 | 60 | 0 | 3 | 1 | |
| MEMPHIS | 71 | 53 | 82 | 43 | 62 | | -.6 | | | 1.2 | .0 | .6 | 12.1 | 100 | 22.0 | 109 | 85 | 53 | 0 | 3 | 1 | |
| NASHVILLE | 66 | 49 | 79 | 45 | 58 | | -.7 | | | 1.4 | -.3 | .8 | 14.7 | 142 | 25.2 | 142 | 88 | 54 | 0 | 2 | 2 | |
| TX ABILENE | 72 | 53 | 88 | 41 | 63 | | -.7 | | | .1 | -.5 | .1 | 3.6 | 93 | 5.4 | 90 | 95 | 61 | 0 | 1 | 0 | |
| AMARILLO | 71 | 47 | 86 | 36 | 59 | | -.3 | | | .1 | -.3 | .1 | 2.5 | 105 | 3.6 | 103 | 95 | 49 | 0 | 3 | 0 | |
| AUSTIN | 75 | 61 | 85 | 50 | 68 | | -.5 | | | .4 | -.6 | .3 | 3.8 | 69 | 7.3 | 79 | 92 | 70 | 0 | 0 | 4 | 0 |
| BEAUMONT | 79 | 63 | 85 | 58 | 71 | | -.2 | | | 1.4 | -.2 | .9 | 9.4 | 119 | 17.7 | 110 | 97 | 64 | 0 | 3 | 1 | |
| BROWNSVILLE | 81 | 70 | 89 | 59 | 75 | | -.3 | | | .4 | -.2 | .3 | 2.9 | 109 | 5.4 | 101 | 98 | 70 | 0 | 0 | 2 | 0 |
| CORPUS CHRISTI | 80 | 67 | 87 | 59 | 73 | | -.3 | | | 1.1 | -.5 | .9 | 8.7 | 264 | 10.8 | 154 | 95 | 63 | 0 | 0 | 2 | 1 |
| DEL RIO | 80 | 62 | 93 | 53 | 71 | | -.3 | | | .1 | -.6 | .1 | 4.4 | 106 | 7.1 | 107 | 91 | 60 | 1 | 0 | 2 | 0 |
| EL PASO | 89 | 60 | 96 | 51 | 75 | | -.7 | | | .7 | .0 | .7 | 1.0 | 179 | 1.3 | 92 | 40 | 13 | 3 | 0 | 0 | 0 |
| FORT WORTH | 72 | 55 | 81 | 46 | 64 | | -.5 | | | .6 | -.6 | .5 | 5.9 | 74 | 9.3 | 77 | 94 | 68 | 0 | 0 | 3 | 1 |
| GALVESTON | 77 | 67 | 83 | 60 | 72 | | -.1 | | | .4 | -.3 | .3 | 3.3 | 63 | 5.9 | 54 | 95 | 65 | 0 | 0 | 2 | 0 |
| HOUSTON | 79 | 62 | 88 | 55 | 71 | | -.2 | | | 1.4 | -.4 | 1.0 | 5.9 | 78 | 10.8 | 72 | 95 | 64 | 0 | 0 | 3 | 1 |
| LUBBOCK | 77 | 53 | 94 | 40 | 65 | | -.2 | | | .1 | -.4 | .1 | 3.1 | 139 | 3.7 | 112 | 95 | 43 | 1 | 0 | 2 | 0 |
| MIDLAND | 79 | 54 | 94 | 42 | 67 | | -.3 | | | .7 | -.4 | .7 | .7 | 0 | 1.1 | 41 | 95 | 41 | 1 | 0 | 0 | 0 |
| SAN ANGELO | 79 | 56 | 88 | 43 | 68 | | -.4 | | | .7 | -.6 | .7 | 1.0 | 32 | 3.1 | 60 | 95 | 57 | 0 | 0 | 1 | 0 |
| SAN ANTONIO | 78 | 62 | 88 | 51 | 70 | | -.3 | | | 3.2 | 2.3 | 3.1 | 10.5 | 214 | 12.6 | 150 | 93 | 65 | 0 | 0 | 3 | 1 |
| VICTORIA | 78 | 64 | 85 | 56 | 71 | | -.3 | | | .4 | -.5 | .4 | 7.2 | 123 | 9.5 | 79 | 95 | 68 | 0 | 0 | 2 | 0 |
| WACO | 74 | 55 | 85 | 42 | 64 | | -.7 | | | .7 | -.3 | .7 | 5.7 | 88 | 10.4 | 101 | 99 | 72 | 0 | 0 | 1 | 1 |
| WICHITA FALLS | 70 | 51 | 85 | 39 | 61 | | -.7 | | | .6 | -.3 | .6 | 3.7 | 58 | 5.5 | 57 | 92 | 58 | 0 | 0 | 1 | 1 |
| UT CEDAR CITY | 70 | 41 | 79 | 29 | 55 | | -.3 | | | .1 | -.2 | .1 | 2.2 | 84 | 3.6 | 84 | 67 | 21 | 0 | 1 | 1 | 0 |
| SALT LAKE CITY | 72 | 48 | 82 | 39 | 60 | | .5 | | | .4 | -.1 | .2 | 4.6 | 103 | 6.8 | 99 | 86 | 37 | 0 | 0 | 3 | 0 |
| VT BURLINGTON | 65 | 39 | 71 | 29 | 52 | | .0 | | | .6 | -.1 | .5 | 6.9 | 121 | 10.3 | 113 | 80 | 35 | 0 | 1 | 3 | 0 |
| VA NORFOLK | 70 | 53 | 83 | 45 | 61 | | -.1 | | | 1.5 | -.7 | 1.0 | 12.4 | 164 | 20.1 | 136 | 88 | 48 | 0 | 0 | 5 | 1 |
| RICHMOND | 69 | 49 | 82 | 43 | 59 | | -.3 | | | 1.5 | -.7 | 1.0 | 12.2 | 164 | 19.6 | 142 | 84 | 27 | 0 | 0 | 4 | 1 |
| ROANOKE | 63 | 45 | 74 | 39 | 54 | | -.7 | | | 1.3 | -.4 | .7 | 12.5 | 164 | 22.4 | 169 | 92 | 49 | 0 | 0 | 4 | 1 |
| WA QUILLAYUTE | 65 | 42 | 76 | 36 | 53 | | .4 | | | 1.1 | -.3 | .5 | 18.1 | 89 | 45.9 | 97 | 97 | 48 | 0 | 0 | 4 | 1 |
| SEATTLE-TACOMA | 69 | 48 | 80 | 41 | 59 | | .6 | | | .4 | -.0 | .2 | 5.9 | 94 | 12.9 | 82 | 85 | 38 | 0 | 0 | 3 | 0 |
| SPOKANE | 68 | 40 | 84 | 34 | 54 | | .3 | | | .7 | -.3 | .7 | 1.7 | 56 | 3.9 | 61 | 83 | 33 | 0 | 0 | 1 | 0 |
| YAKIMA | 74 | 40 | 90 | 31 | 57 | | .3 | | | .8 | -.6 | .7 | 1.7 | 132 | 3.1 | 96 | 92 | 28 | 1 | 2 | 2 | 1 |
| WV BECKLEY | 57 | 42 | 65 | 33 | 50 | | -.7 | | | 2.6 | 1.7 | 1.5 | 12.9 | 168 | 22.7 | 168 | 92 | 65 | 0 | 0 | 5 | 2 |
| CHARLESTON | 61 | 45 | 67 | 36 | 53 | | -.7 | | | 2.8 | 1.9 | 2.3 | 14.3 | 183 | 26.3 | 191 | 97 | 65 | 0 | 0 | 5 | 1 |
| HUNTINGTON | 61 | 47 | 69 | 37 | 54 | | -.4 | | | 2.5 | 1.6 | 1.9 | 14.5 | 179 | 24.4 | 172 | 95 | 60 | 0 | 0 | 4 | 2 |
| PARKERSBURG | 60 | 44 | 66 | 33 | 52 | | -.8 | | | 2.0 | 1.2 | 1.4 | 11.9 | 145 | 23.2 | 163 | 93 | 56 | 0 | 0 | 5 | 1 |
| WI GREEN BAY | 60 | 37 | 67 | 33 | 48 | | -.3 | | | .7 | -.6 | .7 | 7.1 | 141 | 9.7 | 134 | 84 | 42 | 0 | 0 | 1 | 0 |
| LACROSSE | 61 | 39 | 65 | 32 | 50 | | -.5 | | | .7 | -.6 | .7 | 7.1 | 141 | 9.7 | 134 | 84 | 42 | 0 | 0 | 1 | 0 |
| MADISON | 63 | 35 | 68 | 30 | 49 | | -.5 | | | .2 | -.5 | .2 | 3.3 | 54 | 7.5 | 90 | 89 | 37 | 0 | 2 | 2 | 0 |
| MILWAUKEE | 57 | 38 | 67 | 33 | 48 | | -.3 | | | .1 | -.6 | .1 | 3.7 | 54 | 9.4 | 95 | 77 | 42 | 0 | 0 | 1 | 0 |
| WAUSAU | 59 | 36 | 65 | 28 | 48 | | -.4 | | | .1 | -.7 | .1 | 4.3 | 79 | 5.8 | 79 | 84 | 31 | 0 | 3 | 1 | 0 |
| WY CASPER | 70 | 38 | 79 | 35 | 54 | | .6 | | | .1 | -.4 | .1 | 1.6 | 53 | 3.0 | 73 | 89 | 28 | 0 | 0 | 3 | 0 |
| CHEYENNE | 63 | 39 | 71 | 34 | 51 | | .3 | | | .4 | -.1 | .2 | 2.4 | 83 | 3.9 | 107 | 92 | 39 | 0 | 0 | 3 | 0 |
| LANDER | 69 | 40 | 76 | 36 | 55 | | .5 | | | .1 | -.5 | .1 | 3.1 | 82 | 4.4 | 91 | 79 | 27 | 0 | 0 | 2 | 0 |
| SHERIDAN | 68 | 38 | 77 | 33 | 53 | | .4 | | | .2 | -.3 | .1 | 2.7 | 84 | 5.6 | 122 | 91 | 34 | 0 | 0 | 2 | 0 |

Based on 1961-90 normals.

CUMULATIVE GROWING DEGREE DAYS (CORN*) March 1 - May 7, 1994

| STATES AND STATIONS | TOTAL | DEP. FROM NORMAL | STATES AND STATIONS | TOTAL | DEP. FROM NORMAL | STATES AND STATIONS | TOTAL | DEP. FROM NORMAL |
|---------------------|-------|------------------|---------------------|-------|------------------|---------------------|-------|------------------|
| AL ANNISTON | 911 | + 105 | RUSSELL | 548 | + 104 | YOUNGSTOWN | 262 | + 23 |
| BIRMINGHAM | 907 | + 94 | SALINA | 571 | + 105 | ZANESVILLE | 347 | - 5 |
| MOBILE | 1118 | + 57 | TOPEKA/BILLARD | 530 | + 59 | OK ALTUS | 815 | - 24 |
| MONTGOMERY | 1059 | + 168 | WICHITA | 586 | + 12 | GAGE | 699 | + 80 |
| MUSCLE SHOALS | 808 | + 93 | KY LEKINGTON | 474 | + 7 | HOBART | 739 | + 49 |
| OZARK | 1073 | + 62 | BOWLING GREEN | 618 | + 55 | MCALISTER | 823 | + 78 |
| TUSCALOOSA | 958 | + 82 | PADUCAH | 629 | + 26 | PONCA CITY | 725 | + 116 |
| AZ DOUGLAS | 940 | + 129 | LA LAFAYETTE | 1164 | + 57 | TULSA | 736 | + 45 |
| FLAGSTAFF | 309 | + 102 | LAKE CHARLES | 1167 | + 115 | OR BAKER | 380 | + 177 |
| PHOENIX | 1267 | + 209 | MONROE | 1047 | + 127 | EUGENE | 440 | + 162 |
| TUCSON | 1134 | + 195 | NEW ORLEANS | 1176 | + 59 | NORTH BEND | 285 | + 118 |
| YUMA | 1452 | + 273 | SHREVEPORT | 1014 | + 26 | PENDLETON | 473 | + 183 |
| PRESCOTT | 559 | + 129 | ME AUGUSTA | 99 | + 0 | REDMOND | 352 | + 110 |
| AR EL DORADO | 932 | + 79 | CARIBOU | 47 | + 8 | PORTLAND | 474 | + 199 |
| FAYETTEVILLE | 690 | + 91 | HOLTOWN | 64 | + 2 | SALEM | 490 | + 217 |
| FORT SMITH | 834 | + 109 | PORTLAND | 122 | + 31 | SEXTON SUMMIT | 170 | + 55 |
| JONESBORO | 745 | + 48 | MD BALTIMORE | 573 | + 165 | PA ALLENTOWN | 352 | + 78 |
| LITTLE ROCK | 842 | + 46 | MA WORCESTER | 173 | + 26 | PHILADELPHIA | 467 | + 138 |
| TEKARKANA | 932 | + 60 | MI GRAND RAPIDS | 224 | --- | WILLIAMSPORT | 342 | + 80 |
| CA BAKERSFIELD | 925 | + 122 | JACKSON | 252 | + 27 | SC BEAUFORT | 1131 | + 178 |
| BLUE CANYON | 135 | + 14 | LANGING | 243 | + 1 | CHARLESTON | 1085 | + 193 |
| DAGGETT | 1079 | + 193 | MUSKOGEE | 149 | - 7 | COLUMBIA | 1046 | + 184 |
| EUREKA | 316 | + 175 | PELLSTON | 106 | + 2 | FLORENCE | 1017 | + 179 |
| FAIRFIELD | 782 | + 159 | SAULT STE. MARIE | 50 | - 13 | SD SUMTER/SHAW AFB | 949 | + 58 |
| FRESNO | 882 | + 178 | TRAVERSE CITY | 148 | + 13 | ABERDEEN | 218 | + 43 |
| MARYSVILLE | 825 | + 138 | MN DULUTH | 92 | + 21 | HURON | 250 | + 24 |
| MT SHASTA | 340 | + 105 | INT'L FALLS | 112 | + 14 | PIERRE | 323 | + 73 |
| PASO ROBLES | 831 | + 193 | MINNEAPOLIS | 198 | --- | RAPID CITY | 366 | + 126 |
| RED BLUFF | 749 | + 113 | ROCHESTER | 194 | --- | SIOUX FALLS | 272 | + 38 |
| RIVERSIDE | 752 | - 25 | ALEXANDRIA | 125 | - 9 | WATERLOO | 149 | - 11 |
| SANTA ANA | 970 | + 217 | MS BILOXI | 1130 | + 62 | TN BRISTOL | 576 | + 53 |
| SAN DIEGO | 750 | + 64 | COLUMBUS | 1050 | + 217 | CHATTANOOGA | 780 | + 119 |
| SACRAMENTO | 761 | + 141 | JACKSON | 941 | + 48 | CROSSVILLE | 609 | + 157 |
| THERMAL | 1302 | + 125 | MERIDIAN | 1055 | + 141 | MEMPHIS | 887 | + 145 |
| CO ALAMOSA | 258 | + 48 | GREENWOOD | 976 | + 127 | NASHVILLE | 694 | + 50 |
| DENVER | 483 | + 148 | MO COLUMBIA | 484 | + 47 | TX ABILENE | 942 | + 30 |
| EAGLE | 240 | + 26 | JOPLIN | 641 | + 68 | AMARILLO | 642 | + 44 |
| GRAND JUNCTION | 529 | + 94 | SPRINGFIELD | 593 | + 61 | AUSTIN | 1170 | + 76 |
| LA JUNTA | 599 | + 93 | VICHY | 513 | + 20 | BROWNSVILLE | 1487 | - 3 |
| DE DOVER | 411 | - 26 | MT HALEMA | 321 | + 156 | COLLEGE STATION | 1135 | + 70 |
| WILMINGTON | 441 | + 107 | KALISPELL | 228 | + 72 | DALHART | 641 | + 81 |
| FL DAYTONA BEACH | 1357 | + 155 | HILLS CITY | 359 | + 139 | DEL RIO | 1300 | + 89 |
| FORT MYERS | 1641 | + 211 | NE GRAND ISLAND | 418 | + 83 | DALLAS/FT WORTH | 986 | + 54 |
| GAINESVILLE | 1223 | - 2 | NORFOLK | 410 | + 119 | GALVESTON | 1235 | + 142 |
| JACKSONVILLE | 1207 | + 116 | NORTH PLATTE | 442 | + 118 | HOUSTON/INTCNL | 1226 | + 134 |
| FORT LAUDERDALE | 1797 | + 258 | VALENTINE | 391 | + 90 | KINGSVILLE/NAS | 1415 | + 5 |
| MIAMI | 1802 | + 199 | SCOTTSBLUFF | 450 | + 141 | LAREDO | 1495 | + 38 |
| MILTON | 1098 | + 42 | SYDNEY | 406 | + 130 | LUBBOCK | 847 | + 106 |
| PENSACOLA | 1143 | + 91 | NV ELKO | 353 | + 120 | MCALLEN | 1577 | + 108 |
| ST PETERSBURG | 1532 | + 106 | ELY | 302 | + 105 | MIDLAND | 949 | - 10 |
| TALLAHASSEE | 1208 | + 138 | LAS VEGAS | 1102 | + 261 | PALACIOS | 1201 | + 30 |
| TAMPA | 1518 | + 195 | RENO | 515 | + 142 | SAN ANTONIO | 1243 | + 88 |
| VERO BEACH | 1546 | + 203 | NH CONCORD | 204 | + 29 | VICTORIA | 1240 | + 75 |
| W. PALM BEACH | 1675 | + 125 | NJ NEWARK | 411 | + 129 | WACO | 1012 | + 8 |
| GA ATHENS | 885 | + 146 | NM ALBUQUERQUE | 696 | + 80 | WICHITA FALLS | 840 | + 5 |
| AUGUSTA | 996 | + 145 | CARLSBAD | 1046 | + 170 | WINK | 1032 | + 83 |
| BRUNSWICK | 1161 | + 154 | CLOVIS | 696 | + 67 | UT CEDAR CITY | 435 | + 122 |
| COLUMBUS/METRO | 1051 | + 144 | GALLUP | 482 | + 104 | VT BARRÉ-MONTPELIER | 124 | + 21 |
| MACON | 1060 | + 134 | TRUTH OR CONSEQ. | 797 | + 94 | BURLINGTON | 163 | + 40 |
| SAVANNAH | 1172 | + 197 | ALBANY | 227 | + 28 | VA CHARLOTTEVILLE | 638 | + 116 |
| ID BOISE | 489 | + 207 | ELMIRA | 245 | + 32 | HAMPTON/LANGLEY | 704 | + 204 |
| BURLEY | 449 | + 210 | GLENS FALLS | 196 | + 39 | LYNCHBURG | 585 | + 83 |
| IDaho FALLS | 346 | + 176 | POUGHKEEPSIE | 284 | + 51 | NORFOLK | 771 | + 239 |
| POCATELLO | 389 | + 199 | ROCHESTER | 207 | + 25 | RICHMOND | 700 | + 121 |
| IL BELLEVILLE | 491 | - 9 | SYRACUSE | 197 | + 19 | WA BELLINGHAM | 288 | + 143 |
| CHICAGO/MIDWAY | 319 | + 56 | UTICA | 153 | + 8 | HOQUIAM | 276 | + 130 |
| DECATUR | 349 | - 72 | WATERTOWN | 165 | + 30 | SEATTLE-TACOMA | 355 | + 179 |
| PEORIA | 376 | + 58 | ASHEVILLE | 592 | + 45 | SPOKANE | 301 | + 139 |
| ROCKFORD | 307 | + 77 | FAYETTEVILLE | 882 | + 147 | TACOMA | 363 | + 137 |
| SPRINGFIELD | 401 | + 15 | GREENSBORO | 688 | + 89 | WALLA WALLA | 545 | + 228 |
| QUINCY | 364 | - 1 | HICKORY | 699 | + 101 | WENATCHEE | 496 | + 144 |
| IN INDIANAPOLIS | 359 | - 12 | RALEIGH | 786 | + 130 | YAKIMA | 517 | + 166 |
| SOUTH BEND | 295 | + 42 | WILMINGTON | 929 | + 191 | WV HUNTINGTON | 543 | + 60 |
| TERRE HAUTE | 390 | + 7 | NEW BERN | 865 | + 117 | MARTINSBURG | 446 | + 52 |
| IA DES MOINES | 362 | + 3 | ND BISMARCK | 216 | + 49 | MORGANTOWN | 426 | + 26 |
| MASON CITY | 266 | + 34 | DICKINSON | 204 | + 54 | WI EAU CLAIRE | 190 | + 7 |
| OTTUMWA | 356 | + 45 | JAMESTOWN | 144 | - 2 | GREEN BAY | 179 | + 37 |
| SIOUX CITY | 357 | --- | MINOT | 181 | + 54 | LACROSSE | 241 | + 25 |
| WATERLOO | 304 | --- | GRAND FORKS | 141 | + 15 | MADISON | 276 | + 63 |
| KS CHANUTE | 553 | + 19 | OH AKRON-CANTON | 264 | - 3 | WAUSAU | 162 | + 18 |
| DODGE CITY | 564 | + 78 | COLUMBUS | 361 | + 5 | WY CASPER | 401 | + 218 |
| GARDEN CITY | 572 | + 78 | DAYTON | 338 | - 7 | LANDER | 340 | + 170 |
| GOODLAND | 480 | + 103 | FINDLAY | 262 | - 6 | SHERIDAN | 349 | + 150 |
| MEDICINE LODGE | 669 | + 45 | | | | WORLAND | 438 | + 189 |

Based on 1951-80 normals.

* Growing degree days for corn are computed to a 50°F base with the daily maximum temperature limited to 86°F or lower, and the daily minimum to 50°F or higher.

April Weather and Crop Summary

Weather

Two exceptionally stormy periods--April 9-13 and 24-30--pushed monthly precipitation above normal for much of the Nation. After a 7-month lull, extreme wetness returned to the middle Mississippi Valley, where Missouri notched its second wettest April this century. Columbia, MO, with 11.69 inches, logged its wettest April and eighth wettest month on record. Monthly rainfall exceeded 8 inches in the Tennessee Valley, and from northern Oklahoma to central Indiana. Late-month snow and rain drove monthly totals above 4 inches in the upper Mississippi Valley. In contrast, dryness developed in the Southeastern States, except in peninsular Florida. Less than 1 inch of rain fell in a strip from southeastern Virginia to eastern Georgia. A driest-April record was established in Columbia, SC (0.29 inches). Farther west, precipitation alleviated topsoil dryness in the central Plains and west-central Texas, but effects of autumn and winter dryness lingered. For instance, Lubbock, TX reported 23 hours and 39 minutes of blowing dust during the month, including a dust storm that reduced the visibility to one-quarter mile on April 25.

Record warmth between the two major periods of storminess fueled well-above-normal monthly temperatures across most of the United States. Warmth in Virginia and Maryland attained April-record levels. The monthly average temperature in Philadelphia, PA (59.5°F) was a record and more than 7°F above normal. In the Northwest, Washington recorded its eighth warmest April in the past 100 years. Only a narrow strip along the primary storm track, from the central Rockies to the western Great Lakes States, measured below-normal temperatures. However, during storm passages, especially late in the month, weather from the central Plains to the western Corn Belt was decidedly winter-like. On April 27, highs reached only 27°F in Colorado Springs, CO and 30°F in Scottsbluff, NE. Farther south, daily record lows included 30°F in Amarillo, TX and 21°F in Tribune, KS. Two days later, snow depths included 9 inches in Sioux Falls, SD and 7 inches in St. Cloud, MN. The other major cold outbreak of the month, on April 6, dropped temperatures into the teens as far south as northern Texas. That outbreak also helped to produce significant snowfall, with depths reaching 5 inches in Russell, KS on April 6, and 6 inches in Fort Wayne, IN a day later.

Fieldwork

Spring storms in early April hit the central Plains and lessened dry conditions. Spring planting was hampered by saturated fields in the middle Mississippi and Ohio Valleys. Although the rains threatened to limit planting progress in the Corn Belt, producers planted whenever possible. Snow, late in the month, in the upper Great Plains and Great Lake States, hindered fieldwork and kept soil temperatures below desired levels for corn planting. Cool weather in the Great Plains hindered crop development, but not planting progress. Thunderstorms in the middle Mississippi Valley held corn planting to average levels. Dry conditions in the Southeast and the Pacific Coast continued.

Corn planting by month's end was 42% complete, and was ahead of schedule in all major producing States. The threat of a cool, wet spring prompted producers to plant early to avoid a repeat of last year's difficulties. Cool weather and wet field conditions could require some fields to be replanted.

Dry weather in the southern United States allowed cotton planting to continue ahead of normal. Cotton producers in the 14 major States planted 42% of the Nation's cotton crop by May 1. Alabama, Missouri, New Mexico, and Tennessee were behind schedule due to earlier rains.

Rice planting, similar to corn and cotton, remained ahead of normal, and reached 63% complete by month's end for the five major producing States.

Planting of grain sorghum progressed at a pace closer to normal, reaching 26% complete by May 1, 3 percentage points ahead of the 5-year average.

Snow in the upper Great Plains hindered the seeding of spring wheat. Unlike the row crops, seeding of spring wheat fell 15 points behind the 5-year average, reaching 34% complete by the end of April.

Soybean planting began early this year, pushed in part by rapid corn planting. Despite the threat of cool weather, producers planted soybeans wherever possible. Soybean planting was 2 points ahead of schedule at 4% complete at the beginning of May.

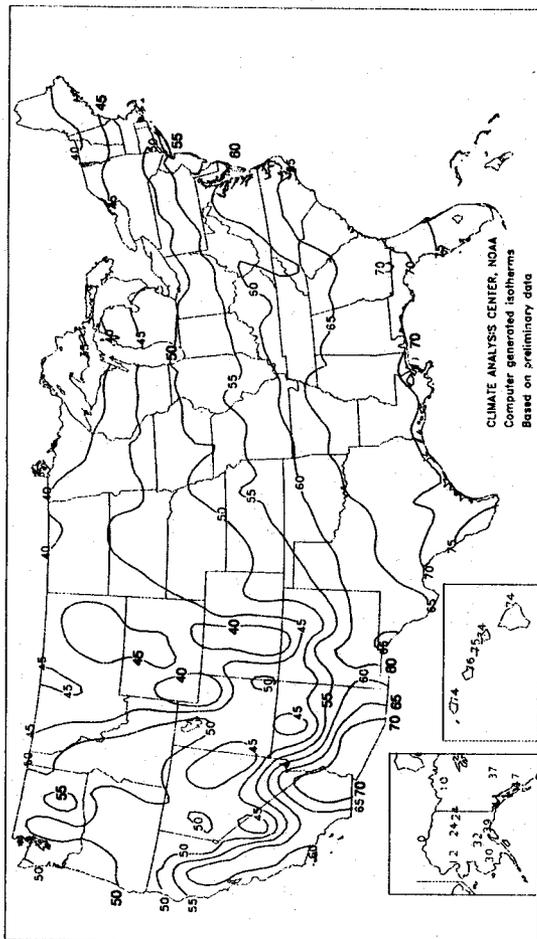
(Continued from front cover)

The rain broke a month-long dry spell in the Southeast. As the storm crept slowly northward along the Atlantic seaboard at midweek, strong northeasterly winds and heavy rain buffeted coastal areas. Winds gusted above 40 miles per hour at Wallops Island, VA and Boston, MA. Meanwhile, a cold front dropped southeastward through the Midwest, touching off showers and scattered severe weather. The front became stationary from the central Plains to the Middle Atlantic States late in the week,

helping to focus heavy rainfall as a storm center approached. On Friday, 3.20 inches fell in Springfield, MO, and the following day, 2.42 inches drenched Elkins, WV. Significant flooding ensued in parts of West Virginia. Farther west, a strong upper air disturbance crossed California, delivering late-season precipitation. Rainfall topped 1 inch in Stockton, San Francisco, and Blue Canyon. Up to 4 inches of snow blanketed the Sierra Nevada. Even in the Great Basin, a half-inch of rain or more fell at Winnemucca and Fallon, NV.

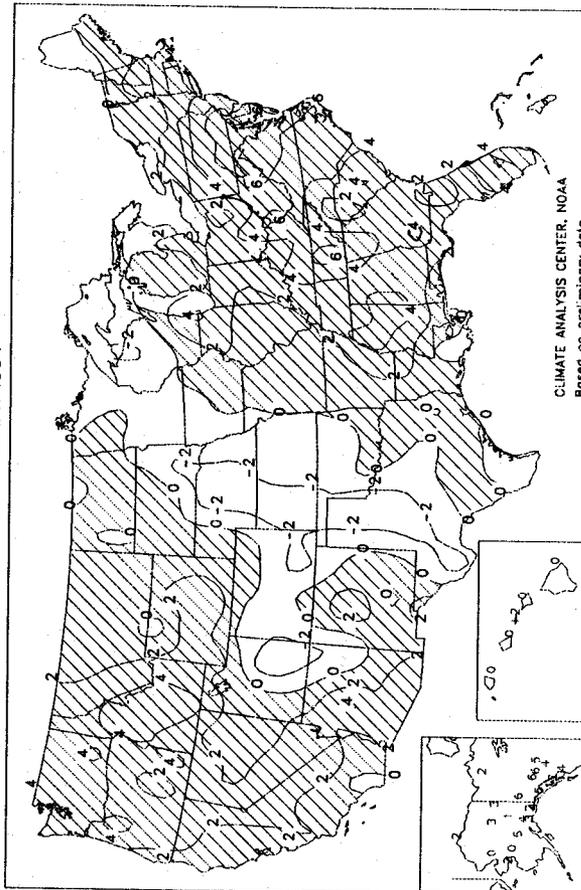
AVERAGE TEMPERATURE(°F)

APR 1994



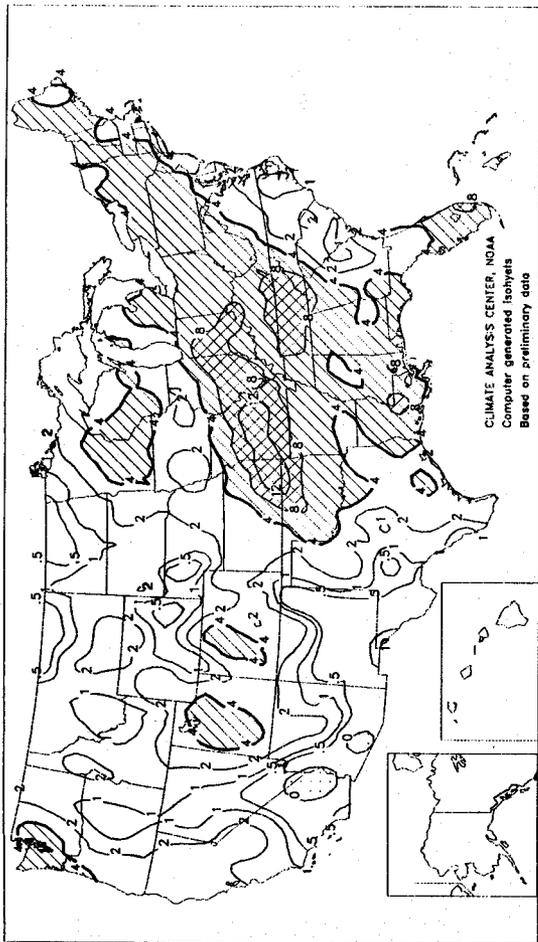
Departure of Average Temperature from Normal(°F)

APR 1994



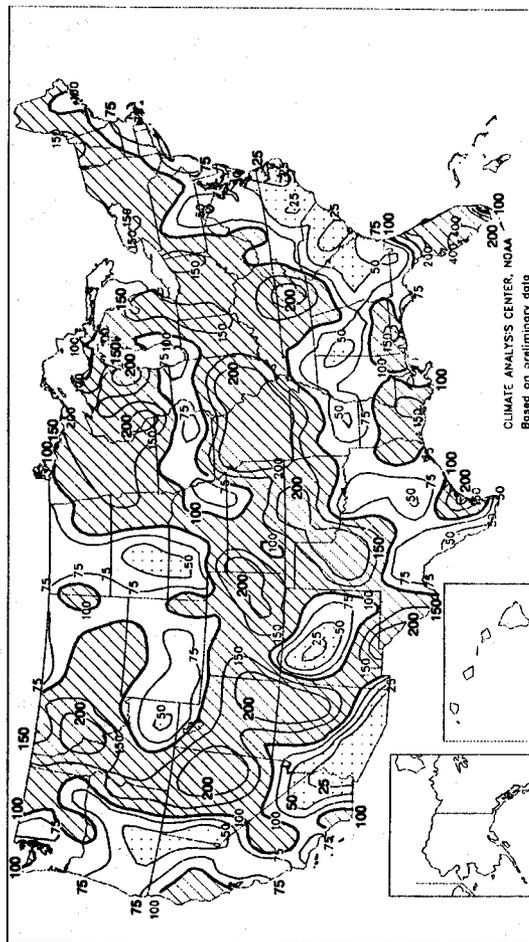
TOTAL PRECIPITATION (inches)

APR 1994



PERCENT OF NORMAL PRECIPITATION

APR 1994



TEMPERATURE AND PRECIPITATION SUMMARY

April 1994

| STATES AND STATIONS | Temp. °F | | Precip. | | STATES AND STATIONS | Temp. °F | | Precip. | | STATES AND STATIONS | Temp. °F | | Precip. | |
|---------------------|----------|-----------|---------|-----------|---------------------|----------|-----------|---------|-----------|---------------------|----------|-----------|---------|-----------|
| | AVERAGE | DEPARTURE | TOTAL | DEPARTURE | | AVERAGE | DEPARTURE | TOTAL | DEPARTURE | | AVERAGE | DEPARTURE | TOTAL | DEPARTURE |
| AL BIRMINGHAM | 65 | 4 | 3.8 | -1.2 | LA BATON ROUGE | 68 | -1 | 8.7 | 3.4 | OK YOUNGSTOWN | 50 | 3 | 6.1 | 3.0 |
| AL HUNTSVILLE | 64 | 3 | 3.1 | -1.8 | LA LAKE CHARLES | 69 | 1 | 3.0 | -0.3 | OK OKLAHOMA CITY | 59 | -1 | 3.4 | 0.6 |
| AL MOBILE | 69 | 1 | 5.5 | 1.0 | LA NEW ORLEANS | 70 | 1 | 2.8 | -1.7 | OK TULSA | 60 | -1 | 6.6 | 2.8 |
| AL MONTGOMERY | 68 | 4 | 3.2 | -1.1 | ME SHERBROOK | 67 | 1 | 3.7 | -0.3 | OR ASTORIA | 50 | 2 | 4.3 | -0.3 |
| AK ANCHORAGE | 39 | 3 | 0.4 | -0.2 | ME CARIBOU | 37 | -1 | 3.2 | 0.8 | OR BURNS | 45 | 2 | 0.4 | -0.3 |
| AK BARROW | 0 | 2 | 0 | -0.2 | ME PORTLAND | 44 | 1 | 2.9 | -1.1 | OR MEDFORD | 45 | 3 | 0.6 | -0.6 |
| AK FAIRBANKS | 35 | 4 | 0.1 | -0.2 | MD BALTIMORE | 60 | 6 | 2.5 | -0.6 | OR PENDELTON | 54 | 4 | 0.4 | -0.6 |
| AK JUNEAU | 44 | 4 | 2.6 | -0.1 | MD SALISBURY | 60 | 6 | 2.5 | -0.7 | OR PORTLAND | 54 | 4 | 1.9 | -0.5 |
| AK KODIAK | 39 | 3 | 6.8 | 2.6 | MA BOSTON | 51 | 3 | 2.2 | -1.4 | PA SALEM | 55 | 4 | 2.2 | -0.3 |
| AK NOME | 20 | 2 | 0.3 | -0.4 | MA CHESTAM | 47 | 3 | 4.1 | 0.4 | PA ALLENTOWN | 55 | 5 | 3.0 | -0.5 |
| AZ FLAGSTAFF | 44 | 2 | 2.5 | 1.0 | MI ALPENA | 43 | 2 | 2.6 | 0.4 | PA BRIE | 49 | 3 | 4.9 | 1.6 |
| AZ PHOENIX | 72 | 2 | 0.1 | -0.1 | MI DETROIT | 51 | 4 | 4.0 | 1.1 | PA HARRISBURG | 58 | 6 | 1.7 | -1.6 |
| AZ PRESCOTT | 54 | 5 | 1.0 | 0.2 | MI FLINT | 48 | 1 | 5.0 | 2.1 | PA PHILADELPHIA | 60 | 7 | 2.9 | -0.8 |
| AZ TUCSON | 69 | 3 | 0 | -0.3 | MI GRAND RAPIDS | 48 | 2 | 3.2 | -0.1 | PA PITTSBURGH | 54 | 4 | 3.7 | 0.6 |
| AZ WINLOW | 54 | 1 | 0.8 | 0.5 | MI HOUGHTON LAKE | 43 | 1 | 2.7 | 0.5 | PA SCRANTON | 52 | 4 | 5.1 | 2.1 |
| AR YUMA | 74 | 3 | 0 | -0.1 | MI LANSING | 47 | 2 | 3.6 | 0.7 | PA WILLIAMSPORT | 53 | 4 | 4.0 | 0.8 |
| AR FORT SMITH | 64 | 2 | 5.3 | 1.3 | MI MARQUETTE | 37 | -1 | 2.3 | -0.4 | RI PROVIDENCE | 51 | 4 | 2.1 | -2.0 |
| AR LITTLE ROCK | 65 | 3 | 5.4 | 0.9 | MI MUSKEGON | 46 | 0 | 2.4 | -0.5 | SC CHARLESTON | 68 | 3 | 0.4 | -2.3 |
| CA BAKERSFIELD | 64 | 1 | 1.1 | 0.5 | MI SAULT ST. MARIE | 36 | -2 | 2.3 | 0.0 | SC COLUMBIA | 67 | 4 | 0.3 | -3.0 |
| CA BISHOP | 56 | 2 | - | - | MN ALEXANDRIA | 43 | 0 | 3.4 | 1.2 | SC FLORENCE | 67 | 4 | 1.6 | -1.1 |
| CA BUREKA | 53 | 3 | 3.3 | 0.4 | MN DULUTH | 40 | 1 | 4.1 | 1.9 | SC GREENVILLE | 62 | 2 | 2.6 | -1.2 |
| CA FRESNO | 63 | 2 | 1.4 | 0.4 | MN INT'L FALLS | 39 | 0 | 1.5 | -0.1 | SD ABERDEEN | 46 | 2 | 2.3 | 0.4 |
| CA LOS ANGELES | 60 | 0 | 0.4 | -0.3 | MN MINNEAPOLIS | 46 | 0 | 3.8 | 1.4 | SD BUREN | 46 | 0 | 2.8 | 0.7 |
| CA REDDING | 60 | 2 | 1.9 | -0.2 | MN ROCHESTER | 44 | 0 | 5.0 | 2.2 | SD RAPID CITY | 46 | 1 | 1.2 | -0.7 |
| CA SACRAMENTO | 60 | 2 | 0.4 | -0.7 | MN ST. CLOUD | 43 | -1 | 3.9 | 1.6 | SD SIOUX FALLS | 47 | 0 | 3.3 | 0.8 |
| CA SAN DIEGO | 61 | -1 | 0.9 | 0.1 | MS GREENWOOD | 68 | 4 | 4.5 | -0.6 | TN BRISTOL | 59 | 4 | 4.3 | 1.0 |
| CA SAN FRANCISCO | 57 | 1 | 1.1 | -0.2 | MS JACKSON | 66 | 2 | 4.3 | -1.2 | TN CHATTANOOGA | 64 | 5 | 5.8 | 1.5 |
| CA SANTA MARIA | 56 | 0 | 1.0 | 0.0 | MS MERIDIAN | 68 | 4 | 5.4 | 0.0 | TN KNOXVILLE | 62 | 4 | 7.9 | 4.2 |
| CO ALAMOSA | 42 | 1 | 0.4 | -0.1 | MS SAULT ST. MARIE | 36 | -2 | 2.3 | 0.0 | TN MEMPHIS | 67 | 4 | 4.0 | -1.4 |
| CO CO. SPRINGS | 46 | 0 | 1.5 | 0.3 | MO ALEXANDRIA | 43 | 0 | 3.4 | 1.2 | TX NASHVILLE | 62 | 3 | 5.7 | 1.4 |
| CO DENVER | 49 | 1 | 1.9 | 0.2 | MO DULUTH | 40 | 1 | 4.1 | 1.9 | TX ABILENE | 64 | -1 | 3.4 | 1.5 |
| CO GRAND JUNCTION | 53 | -1 | 1.8 | 0.9 | MO INT'L FALLS | 39 | 0 | 1.5 | -0.1 | TX AMARILLO | 55 | -2 | 1.2 | 0.2 |
| CO PUEBLO | 49 | -2 | 2.1 | 1.2 | MO MINNEAPOLIS | 46 | 0 | 3.8 | 1.4 | TX AUSTIN | 69 | 0 | 1.7 | -0.9 |
| CT BRIDGEPORT | 51 | 2 | 2.8 | -0.9 | MO ROCHESTER | 44 | 0 | 5.0 | 2.2 | TX BEAUMONT | 70 | 1 | 4.2 | 0.7 |
| CT HARTFORD | 51 | 2 | 2.5 | -1.3 | MO ST. CLOUD | 43 | -1 | 3.9 | 1.6 | TX BROWNSVILLE | 74 | -1 | 0.7 | -0.8 |
| DC WASHINGTON | 62 | 5 | 1.6 | -1.1 | MS GREENWOOD | 68 | 4 | 4.5 | -0.6 | TX CORPUS CHRISTI | 72 | -1 | 4.2 | 2.4 |
| FL APALACHICOLA | 69 | 2 | 1.4 | -1.3 | MS JACKSON | 66 | 2 | 4.3 | -1.2 | TX DEL RIO | 72 | 1 | 1.7 | -0.6 |
| FL DAYTONA BEACH | 72 | 3 | 5.0 | 2.8 | MS MERIDIAN | 68 | 4 | 5.4 | 0.0 | TX EL PASO | 67 | 3 | 0.6 | 0.4 |
| FL FT. MYERS | 77 | 4 | 5.7 | 4.6 | MO SAULT ST. MARIE | 36 | -2 | 2.3 | 0.0 | TX FORT WORTH | 66 | 2 | 3.6 | -0.1 |
| FL JACKSONVILLE | 69 | 1 | 1.5 | -1.0 | MO TAPPE GIRARDEAU | 60 | 2 | 6.2 | 1.8 | TX GALVESTON | 71 | 1 | 1.4 | -1.1 |
| FL KEY WEST | 79 | 2 | 2.4 | 0.7 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | TX HOUSTON | 70 | 2 | 3.1 | -1.4 |
| FL MIAMI | 78 | 3 | 2.1 | -0.7 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | TX LAREDO | - | - | - | - |
| FL ORLANDO | 74 | 3 | 3.0 | 1.2 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | TX LUBBOCK | 61 | 0 | 2.9 | 1.9 |
| FL TALLAHASSEE | 69 | 3 | 3.4 | -0.3 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | TX MIDLAND | 63 | -2 | 0 | -0.7 |
| FL TAMPA | 75 | 4 | 3.4 | 2.3 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | TX SAN ANGELO | 67 | 0 | 1.0 | -0.7 |
| FL WEST PALM BEACH | 77 | 3 | 7.6 | 4.7 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | TX SAN ANTONIO | 70 | 1 | 2.2 | -0.3 |
| GA ATHENS | 65 | 3 | 3.0 | -1.0 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | TX VICTORIA | 70 | 1 | 2.0 | -0.6 |
| GA ATLANTA | 68 | 6 | 3.7 | -0.6 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | TX WACO | 66 | -1 | 2.8 | -0.4 |
| GA AUGUSTA | 66 | 3 | 1.1 | -2.2 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | TX WICHITA FALLS | 62 | -1 | 2.0 | -1.0 |
| GA MACON | 68 | 3 | 1.6 | -1.9 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | UT BLANDING | 53 | 5 | 1.5 | 0.8 |
| GA SAVANNAH | 70 | 3 | 2.1 | -0.9 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | UT CEDAR CITY | 49 | 2 | 1.0 | -0.1 |
| HI HILO | 73 | 1 | 6.7 | -8.5 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | UT SALT LAKE CITY | 52 | 2 | 2.9 | 0.8 |
| HI HONOLULU | 76 | 0 | 0.5 | -1.1 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | VT BURLINGTON | 44 | 0 | 3.4 | 0.6 |
| HI KAHULUI | 74 | -1 | 0.6 | -1.2 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | VA LYNCHBURG | 61 | 5 | 1.7 | -1.4 |
| HI LIHUE | 74 | 0 | 1.5 | -2.0 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | VA NORFOLK | 65 | 8 | 0.6 | -2.5 |
| ID BOISE | 53 | 4 | 1.2 | 0.0 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | VA RICHMOND | 63 | 6 | 2.7 | -0.3 |
| ID LEWISTON | 54 | 4 | 1.5 | 0.4 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | VA ROANOKE | 61 | 5 | 5.6 | 2.3 |
| ID POCATELLO | 48 | 3 | 0.4 | -0.8 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | VA WASHINGTON | - | - | - | - |
| IL CAIRO | - | - | - | - | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | WA COLVILLE | - | - | - | - |
| IL CHICAGO | 51 | 3 | 2.2 | -1.4 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | WA QUILLAUOTE | 49 | 3 | 6.5 | -1.0 |
| IL MOLINE | 52 | 2 | 2.6 | -1.3 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | WA SEATTLE-TACOMA | 52 | 3 | 2.3 | -0.1 |
| IL PEORIA | 53 | 2 | 3.8 | 0.1 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | WA SPOKANE | 49 | 4 | 1.6 | 0.5 |
| IL QUINCY | 53 | 0 | 6.2 | 2.5 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | WA WALLA WALLA | 57 | 5 | 0.9 | -0.8 |
| IL ROCKFORD | 51 | 3 | 2.7 | -1.0 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | WA YAKIMA | 53 | 4 | 0.9 | 0.4 |
| IL SPRINGFIELD | 54 | 1 | 8.2 | 4.5 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | WV BECKLEY | 56 | 5 | 2.7 | -0.7 |
| IN EVANSVILLE | 59 | 1 | 5.8 | 1.6 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | WV CHARLESTON | 60 | 6 | 3.8 | 0.5 |
| IN FORT WAYNE | 53 | 3 | 6.2 | 2.9 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | WV ELKINS | 54 | 6 | 4.0 | 0.1 |
| IN INDIANAPOLIS | 54 | 1 | 5.6 | 1.9 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | WV HUNTINGTON | 60 | 7 | 3.3 | -0.3 |
| IN SOUTH BEND | 51 | 2 | 2.8 | -1.0 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | WV PARKERSBURG | 56 | 3 | 5.0 | 1.4 |
| IA DES MOINES | 51 | 1 | 2.7 | -0.9 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | WI GREEN BAY | 44 | 0 | 5.9 | 3.5 |
| IA DUBUQUE | 48 | 0 | 3.1 | -0.6 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | WI LACROSSE | 48 | 0 | 6.5 | 3.6 |
| IA SIOUX CITY | 49 | -1 | 2.4 | 0.0 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | WI MADISON | 48 | 2 | 2.6 | -0.6 |
| IA WATERLOO | 49 | 1 | 2.6 | -0.7 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | WI MILWAUKEE | 48 | 4 | 2.4 | -1.2 |
| KS CONCORDIA | 53 | 0 | 1.7 | -0.6 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | WI WAUSAU | 43 | -1 | 3.7 | 1.0 |
| KS DODGE CITY | 52 | -2 | 1.9 | -0.2 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | WI CASPER | 47 | 4 | 0.9 | -0.7 |
| KS GOODLAND | 48 | -1 | 2.7 | 1.4 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | WI CHEYENNE | 43 | 1 | 1.4 | 0.1 |
| KS TOPEKA | 54 | -1 | 4.3 | 1.2 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | WI LANDER | 46 | 3 | 1.8 | -0.3 |
| KS WICHITA | 55 | -3 | 3.8 | 1.0 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | WI SHERIDAN | 45 | 1 | 1.7 | 0.0 |
| KY BOWLING GREEN | 61 | 4 | 5.4 | 1.0 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | FR SAN JUAN | 80 | 0 | 2.8 | -1.0 |
| KY JACKSON | 60 | 3 | 5.5 | 1.6 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | | | | | |
| KY LEXINGTON | 58 | 3 | 5.2 | 1.3 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | | | | | |
| KY LOUISVILLE | 60 | 3 | 5.3 | 1.1 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | | | | | |
| KY PADUCAH | 60 | 3 | 7.4 | 2.4 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | | | | | |
| LA BATON ROUGE | 68 | -1 | 8.7 | 3.4 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | | | | | |
| LA LAKE CHARLES | 69 | 1 | 3.0 | -0.3 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | | | | | |
| LA NEW ORLEANS | 70 | 1 | 2.8 | -1.7 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | | | | | |
| ME SHERBROOK | 67 | 1 | 3.7 | -0.3 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | | | | | |
| ME CARIBOU | 37 | -1 | 3.2 | 0.8 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | | | | | |
| ME PORTLAND | 44 | 1 | 2.9 | -1.1 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | | | | | |
| MD BALTIMORE | 60 | 6 | 2.5 | -0.6 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | | | | | |
| MD SALISBURY | 60 | 6 | 2.5 | -0.7 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | | | | | |
| MA BOSTON | 51 | 3 | 2.2 | -1.4 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | | | | | |
| MA CHESTAM | 47 | 3 | 4.1 | 0.4 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | | | | | |
| MI ALPENA | 43 | 2 | 2.6 | 0.4 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | | | | | |
| MI DETROIT | 51 | 4 | 4.0 | 1.1 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | | | | | |
| MI FLINT | 48 | 1 | 5.0 | 2.1 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | | | | | |
| MI GRAND RAPIDS | 48 | 2 | 3.2 | -0.1 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | | | | | |
| MI HOUGHTON LAKE | 43 | 1 | 2.7 | 0.5 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | | | | | |
| MI LANSING | 47 | 2 | 3.6 | 0.7 | MO COLUMBIA | 64 | 2 | 2.5 | -2.7 | | </ | | | |

April Weather in Historical Perspective

Preliminary data indicate that April was a warm, wet month. All nine climatic divisions recorded near-normal to above-normal temperatures, resulting in the 20th warmest April since 1895 (table 1). The Nation's average temperature of 53.3°F was 1.6°F above normal, marking the eighth time in the past 10 years that April's temperature anomaly was at least +1°F (fig. 1).

Precipitation was in the middle (normal) third of the historical distribution in all but three divisions (table 1). Extremes ranged from a 6th wettest April in the Central region to a 26th driest ranking in the Southeast. Nationally, it was the 37th wettest April in the past 100 years (fig. 2). Despite the general wetness, little change was observed in the long-term moisture situation (fig. 3).

Table 1

Temperature and precipitation rankings for April 1994, based on the period 1895-1994. 1 = Driest/Coldest, 100 = Wettest/Hottest.

| Region | Precipitation | Temperature |
|--------------------|---------------|-------------|
| Northeast | 54 | 85 |
| East North Central | 79 | 56 |
| Central | 95 | 84 |
| Southeast | 26 | 96 |
| West North Central | 57 | 65 |
| South | 47 | 64 |
| Southwest | 62 | 64 |
| Northwest | 51 | 87 |
| West | 49 | 74 |
| National | 64 | 81 |

Figure 3

U.S. PERCENT AREA DRY AND WET
JANUARY 1988 THROUGH APRIL 1994

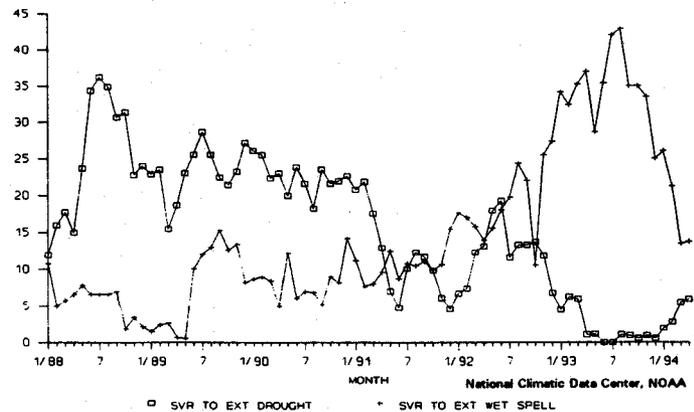


Figure 1

U.S. NATIONAL TEMPERATURE
APRIL, 1895-1994

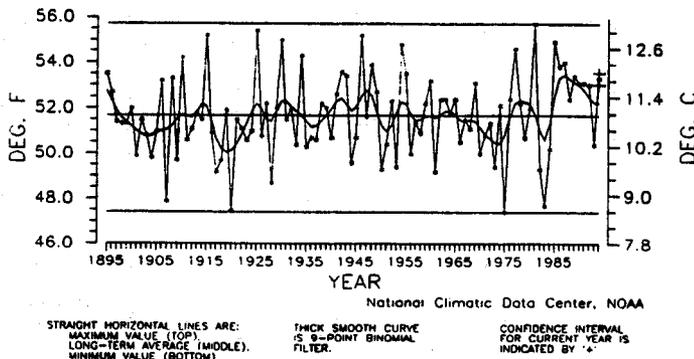


Figure 4

APRIL 1994 STATEWIDE TEMPERATURE RANKS

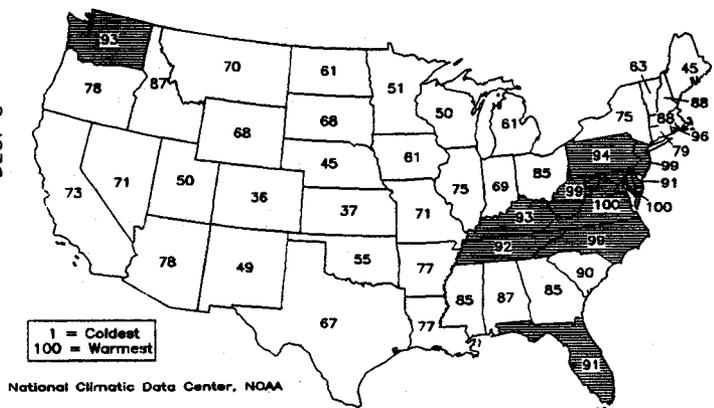
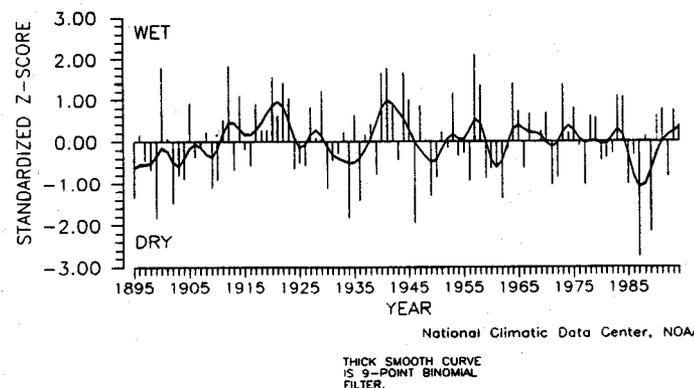


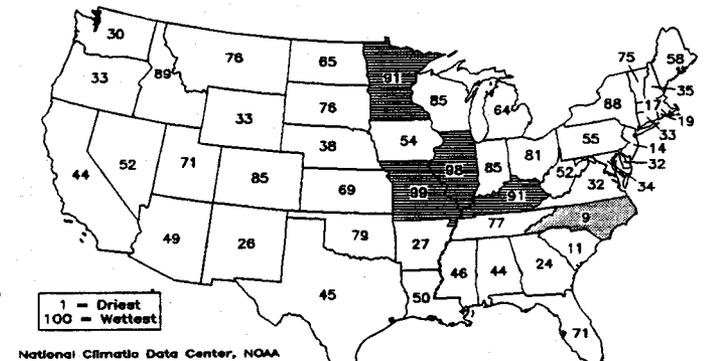
Figure 2

U.S. NATIONAL NORMALIZED PRECIPITATION INDEX
APRIL, 1895-1994



Temperature Ranks for the contiguous United States. Each state is ranked based on its data from 1895-1994. States having a rank of top ten coldest (rank 1-10) or top ten warmest (rank 91-100) are shaded.

APRIL 1994 STATEWIDE PRECIPITATION RANKS



Precipitation Ranks for the contiguous United States. Each state is ranked based on its data from 1895-1994. States having a rank of top ten driest (rank 1-10) or top ten wettest (rank 91-100) are shaded.

National Agricultural Summary

May 2 - 8, 1994

HIGHLIGHTS: Spring planting and tillage slowed as storm systems dropped rain across the lower Mississippi Valley and through much of the Southeastern United States. Cool weather from the storm systems slowed crop development and stressed some early emerged plants in Kansas and Texas. Soil moisture was surplus from the central Great Plains through the Ohio Valley, with Missouri reporting 71 percent (%) surplus. Emerged corn in the Tennessee Valley yellowed from excessive moisture. Precipitation in the northern Pacific Coast did not lessen the dry conditions for Washington and Oregon, where soil moisture was over 40% short. As corn planted nears completion midwestern producers are turning their attention to planting soybeans. Cool weather delayed small grain emergence in the Dakotas and put crop progress behind the 5-year average. Livestock producers were reducing supplemental feeding, as weather conditions and pastures permitted, and were reporting calving was winding down.

SMALL GRAINS: The winter wheat crop was mostly good to fair with 33% of the winter wheat acreage headed, 3 percentage points behind the average. Heading in the central Great Plains and middle Mississippi Valley was below the average. Rain improved dryland wheat in California, but high winds caused lodging. Crop condition was mostly fair for Kansas, where foliar disease infestation was reported to be light. Wheat streak mosaic remained a problem for central Kansas. Texas' winter wheat was fair to poor. Wheat continued to display signs of freeze damage in the Texas plains, where some fields are not expected to be harvested for grain.

Spring wheat seeding was 53% complete, 15 points behind the average, with North Dakota 23 points behind the average. Twenty percent of the spring wheat crop was emerged, 12 points behind the average, with North Dakota 17 points behind.

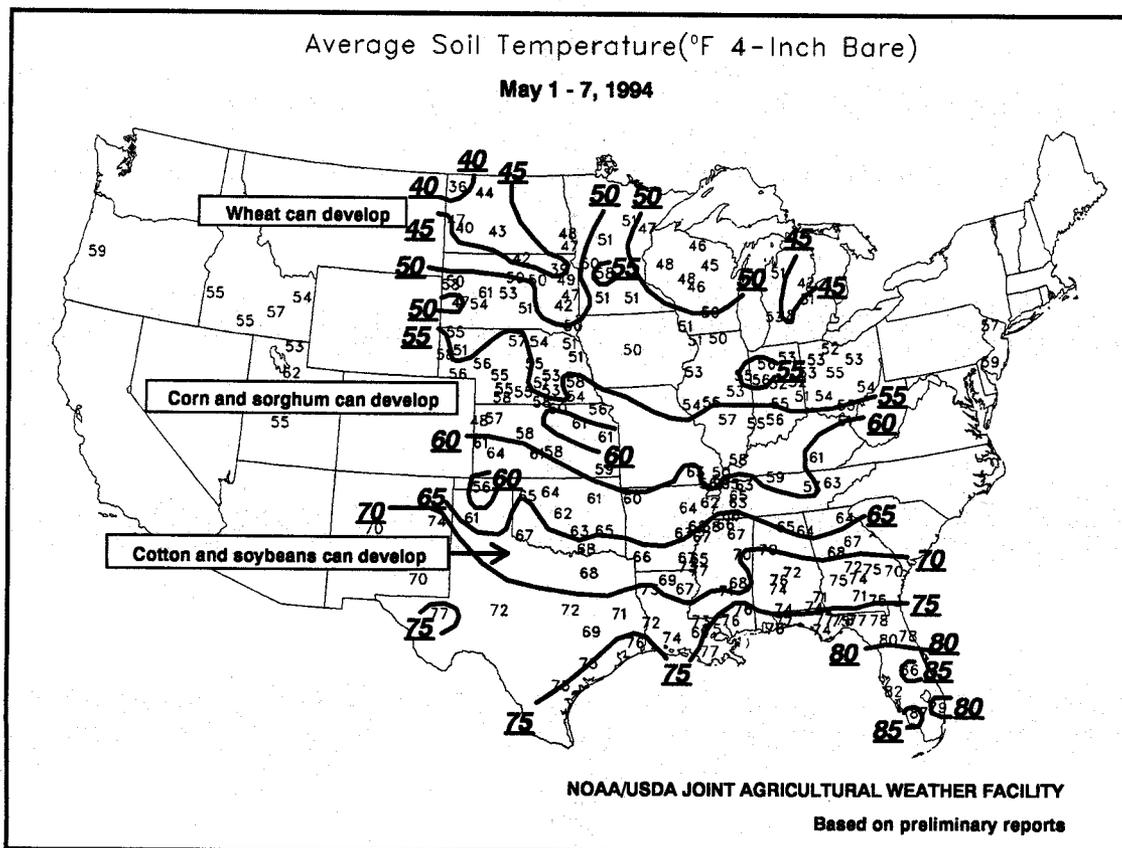
FIELD CROPS: Corn planted was 58% complete for the Nation, 12 points ahead of the average. Rain and wet field conditions slowed corn planting compared with the previous week. Corn planted in Iowa for the current week was 78 points ahead of last year. Corn was 15% emerged in Iowa, 6 points ahead of average. Some areas reported freeze damage to newly emerged corn plants in Kansas.

Cotton planting was 51% complete, 10 points ahead of normal. Cotton planting continued in the Texas high plains as weather permitted, where cool weather slowed cotton growth. Cotton in the Texas low plains may need to be replanted due to cool damp conditions. Mississippi cotton was mostly good with 69% emerged, 36 points ahead of the average. Cotton planting was winding down in California, where emerged fields were thinned, weeded, and sprayed.

Sorghum planting was 29% complete, 2 points ahead of normal. Nebraska reported that no sorghum was planted, 4 points behind the average. Sorghum condition for Texas was 82% normal, compared with 73% last year. Planting was slowed by showers in the Texas high plains. Some sorghum fields received treatment for chinch bugs in Arkansas.

Rice seeding was 76% complete, 23 points ahead of the average. All five of the major rice-producing States were ahead of the average, with Mississippi nearly complete and 47 points ahead of the average. Rice was 50% emerged for the 5 States, 17 points ahead of normal. Mississippi rice condition was mostly good and 83% emerged, compared with 31% for the average.

Soybeans planted were 11% complete, 3 points ahead of the average. Iowa was 20% complete, compared with 7% from a year ago. Arkansas, Iowa, and Mississippi had twice the average planted, while Minnesota had not yet planted half the average.



Crop Progress for the Week Ending May 8, 1994

SPRING WHEAT PLANTED

| State | Week Ending | | | |
|---------|-------------|-------------|-------------|----------------|
| | May 8, 1994 | May 1, 1994 | May 9, 1993 | 1989-1993 Avg. |
| Percent | | | | |
| ID | 95 | 88 | 56 | 85 |
| MN | 53 | 36 | 76 | 76 |
| MT | 73 | 50 | 46 | 62 |
| ND | 39 | 17 | 61 | 62 |
| SD | 82 | 72 | 78 | 90 |
| 5 Sts | 53 | 34 | 63 | 68 |

These 5 States produced 97% of the 1993 spring wheat crop.

SOYBEANS PLANTED

| State | Week Ending | | | |
|---------|-------------|-------------|-------------|----------------|
| | May 8, 1994 | May 1, 1994 | May 9, 1993 | 1989-1993 Avg. |
| Percent | | | | |
| AL | 8 | 4 | 11 | 11 |
| AR | 8 | 5 | 4 | 4 |
| GA | 7 | 4 | 7 | 5 |
| IL | 8 | 0 | 1 | 12 |
| IN | 11 | 8 | 0 | 10 |
| IA | 20 | 7 | 0 | 7 |
| KS | 4 | 0 | 1 | 5 |
| KY | 3 | 2 | 2 | 4 |
| LA | 7 | 5 | 4 | 6 |
| MI | 5 | 0 | 2 | 4 |
| MN | 5 | 1 | 3 | 10 |
| MS | 37 | 24 | 4 | 7 |
| MO | 5 | 0 | 0 | 6 |
| NE | 5 | 0 | 1 | 5 |
| NC | 22 | 15 | 14 | 22 |
| OH | 18 | 9 | 6 | 11 |
| SC | 5 | 2 | 4 | 4 |
| SD | 2 | 0 | 1 | 3 |
| TN | 2 | 0 | 0 | 2 |
| 19 Sts | 11 | 4 | 2 | 8 |

These 19 States produced 95% of the 1993 soybean crop.

WINTER WHEAT HEADED

| State | Week Ending | | | |
|---------|-------------|-------------|-------------|----------------|
| | May 8, 1994 | May 1, 1994 | May 9, 1993 | 1989-1993 Avg. |
| Percent | | | | |
| AR | 88 | 74 | 59 | 83 |
| CA | 97 | 96 | 97 | 96 |
| CO | 0 | 0 | 0 | 4 |
| GA | 100 | 98 | 95 | 99 |
| ID | 0 | 0 | 0 | 0 |
| IL | 2 | 0 | 2 | 12 |
| IN | 3 | 0 | 0 | 3 |
| KS | 25 | 5 | 2 | 35 |
| MI | 0 | 0 | 0 | 0 |
| MO | 12 | 3 | 4 | 25 |
| MT | 0 | 0 | 0 | 0 |
| NE | 0 | 0 | 0 | 0 |
| NC | 91 | 51 | 55 | 81 |
| OH | 0 | 0 | 0 | 0 |
| OK | 85 | 62 | 39 | 76 |
| CR | 8 | 0 | 0 | 2 |
| SD | 0 | 0 | 0 | 0 |
| TX | 59 | 45 | 55 | 66 |
| WA | 2 | 0 | 0 | 2 |
| 19 Sts | 33 | 21 | 18 | 36 |

These 19 States produced 92% of the 1993 winter wheat crop.

COTTON PLANTED

| State | Week Ending | | | |
|---------|-------------|-------------|-------------|----------------|
| | May 8, 1994 | May 1, 1994 | May 9, 1993 | 1989-1993 Avg. |
| Percent | | | | |
| AL | 58 | 46 | 52 | 68 |
| AZ | 92 | 87 | 87 | 89 |
| AR | 51 | 41 | 20 | 29 |
| CA | 95 | 90 | 95 | 95 |
| GA | 60 | 47 | 53 | 41 |
| LA | 83 | 80 | 36 | 56 |
| MS | 83 | 80 | 20 | 45 |
| MO | 18 | 11 | 11 | 37 |
| NM | 70 | 61 | 76 | 73 |
| NC | 52 | 21 | 36 | 40 |
| OK | 10 | 3 | 7 | 12 |
| SC | 65 | 49 | 49 | 45 |
| TN | 31 | 10 | 16 | 34 |
| TX | 31 | 23 | 26 | 25 |
| 14 Sts | 51 | 42 | 35 | 41 |

These 14 States produced 99% of the 1993 cotton crop.

CORN PLANTED

| State | Week Ending | | | |
|---------|-------------|-------------|-------------|----------------|
| | May 8, 1994 | May 1, 1994 | May 9, 1993 | 1989-1993 Avg. |
| Percent | | | | |
| CO | 53 | 28 | 52 | 58 |
| GA | 99 | 98 | 97 | 97 |
| IL | 59 | 46 | 4 | 53 |
| IN | 45 | 35 | 18 | 40 |
| IA | 85 | 65 | 7 | 45 |
| KS | 70 | 50 | 55 | 65 |
| KY | 45 | 40 | 37 | 50 |
| MI | 20 | 10 | 3 | 20 |
| MN | 46 | 31 | 16 | 38 |
| MO | 54 | 49 | 13 | 51 |
| NE | 58 | 31 | 24 | 53 |
| NC | 92 | 75 | 73 | 80 |
| OH | 62 | 47 | 24 | 39 |
| PA | 26 | 10 | 14 | 20 |
| SD | 18 | 11 | 8 | 27 |
| TX | 86 | 76 | 86 | 91 |
| WI | 38 | 16 | 5 | 18 |
| 17 Sts | 58 | 42 | 18 | 46 |

These 17 States produced 91% of the 1993 corn crop.

GRAIN SORGHUM PLANTED

| State | Week Ending | | | |
|---------|-------------|-------------|-------------|----------------|
| | May 8, 1994 | May 1, 1994 | May 9, 1993 | 1989-1993 Avg. |
| Percent | | | | |
| AR | 69 | 57 | 29 | 45 |
| CO | 8 | 0 | 6 | 6 |
| IL | 1 | 0 | 0 | 5 |
| KS | 4 | 0 | 1 | 5 |
| LA | 52 | 43 | 33 | 57 |
| MS | 73 | 68 | 36 | 50 |
| MO | 9 | 7 | 3 | 15 |
| NE | 0 | 0 | 0 | 4 |
| NM | 2 | 0 | 15 | 9 |
| OK | 15 | 7 | 4 | 7 |
| SD | 1 | 0 | 0 | 2 |
| TX | 71 | 68 | 66 | 64 |
| 12 Sts | 29 | 26 | 24 | 27 |

These 12 States produced 98% of the 1993 grain sorghum crop.

RICE PLANTED

| State | Week Ending | | | |
|---------|-------------|-------------|-------------|----------------|
| | May 8, 1994 | May 1, 1994 | May 9, 1993 | 1989-1993 Avg. |
| Percent | | | | |
| AR | 81 | 65 | 21 | 46 |
| CA | 30 | 15 | 20 | 27 |
| LA | 83 | 72 | 69 | 76 |
| MS | 99 | 98 | 23 | 52 |
| TX | 90 | 77 | 66 | 82 |
| 5 Sts | 76 | 63 | 35 | 53 |

These 5 States produced 96% of the 1993 rice crop.

RICE EMERGED

| State | Week Ending | | | |
|---------|-------------|-------------|-------------|----------------|
| | May 8, 1994 | May 1, 1994 | May 9, 1993 | 1989-1993 Avg. |
| Percent | | | | |
| AR | 50 | NA | 11 | 24 |
| CA | 2 | NA | 1 | 2 |
| LA | 70 | NA | 58 | 65 |
| MS | 83 | NA | 9 | 31 |
| TX | 59 | NA | 46 | 63 |
| 5 Sts | 50 | NA | 22 | 33 |

These 5 States produced 96% of the 1993 rice crop.

SPRING WHEAT EMERGED

| State | Week Ending | | | |
|---------|-------------|-------------|-------------|----------------|
| | May 8, 1994 | May 1, 1994 | May 9, 1993 | 1989-1993 Avg. |
| Percent | | | | |
| ID | 76 | NA | 26 | 60 |
| MN | 17 | NA | 20 | 42 |
| MT | 26 | NA | 5 | 14 |
| ND | 7 | NA | 20 | 24 |
| SD | 56 | NA | 38 | 66 |
| 5 Sts | 20 | NA | 20 | 32 |

These 5 States produced 97% of the 1993 spring wheat crop.

Crop Condition

for the Week Ending May 8, 1994

WINTER WHEAT

| State | VP | P | F | G | EX |
|---------|----|----|----|----|----|
| Percent | | | | | |
| AR | 0 | 0 | 47 | 46 | 7 |
| CA | 0 | 0 | 5 | 70 | 25 |
| CO | 1 | 2 | 15 | 68 | 14 |
| GA | 0 | 2 | 16 | 71 | 11 |
| ID | 0 | 1 | 16 | 66 | 17 |
| IL | 0 | 8 | 48 | 42 | 2 |
| IN | 0 | 0 | 30 | 64 | 6 |
| KS | 0 | 2 | 49 | 46 | 3 |
| MI | 3 | 7 | 20 | 50 | 20 |
| MO | 2 | 10 | 56 | 32 | 0 |
| MT | 2 | 5 | 18 | 63 | 12 |
| NE | 0 | 0 | 46 | 50 | 4 |
| NC | 0 | 1 | 26 | 70 | 3 |
| OH | 0 | 5 | 22 | 54 | 19 |
| OK | 2 | 4 | 53 | 41 | 0 |
| OR | 7 | 12 | 32 | 38 | 11 |
| SD | 2 | 2 | 16 | 74 | 6 |
| TX | 7 | 37 | 44 | 11 | 1 |
| WA | 0 | 7 | 39 | 35 | 19 |
| 19 Sts | 2 | 8 | 40 | 44 | 6 |
| Prev Wk | 1 | 11 | 38 | 45 | 5 |
| Prev Yr | 0 | 2 | 20 | 61 | 17 |

VP - Very Poor P - Poor F - Fair
G - Good EX - Excellent

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 NASS State Statistical Offices in cooperation with the National Weather Service.

ALABAMA: Rainfall 0.55 to 4.06 in. north; 1.06 to 2.38 in. central; 0.41 to 1.98 in. south. Temperatures 2 to 8° below normal statewide. Lows 38 to 52° north; 40 to 51° central; 45 to 56° south. Highs 76 to 83° north; 79 to 85° central; 83 to 86° south.

Days suitable for fieldwork 4.5. Soil moisture 4% short, 83% adequate, 13% surplus. Percent acreage prepared 87%, 84% 1993, 85% avg. Corn planted 87%, 81% 1993, 88% avg. Sorghum planted 28%, 20% 1993, 34% avg. Peanuts planted 43%, 57% 1993, 54% avg. Hay first cutting 14%, 9% 1993, 15% avg. Wheat headed 77%, 61% 1993, 88% avg.; turning color 19%, 14% 1993, 38% avg.; 41% fair, 51% good, 8% excellent. Pasture feed 28% fair, 63% good, 9% excellent. Livestock 26% fair, 65% good, 9% excellent. Seasonal activities: Planting corn, cotton, peanuts, sorghum, soybeans, vegetables.

ALASKA: Temperatures in the Matanuska Valley, Kenai Peninsula were normal for the week. The Tanana Valley enjoyed above-average temperatures.

Days suitable for planting, fertilizing 5. Fieldwork progress ranged from on schedule to 3 days ahead of normal. Barley seeding in the Delta area began on 23rd. Commercial potato growers are expected to begin planting 15th. Local hay supplies were rated 85% short. Livestock were reportedly in mostly good to excellent shape after winter. Topsoil, subsoil moisture supplies were mostly adequate throughout the State.

ARIZONA: Temperatures near normal; 1° below to 5° above. Extremes 26°; 92° higher elevations; 43°; 102° deserts. No precipitation reported.

Cotton planting continues, condition remains good; planted to date 92%, 87% 1993, 89% avg. Weed, insect, disease infestations light. Small grain heading 99%, 99% 1993, 98% avg.; turning color 83%, 75% 1993, 74% avg. Condition remains good to excellent. Alfalfa condition also remains good to excellent. Harvest progress mostly moderate. Weed, insect, disease infestations light. Grapefruit, lemons, valencia oranges, central, western areas. Peaches available western areas. Winter vegetable harvest slowing. Available from western, central areas, potatoes, dry onions. Central crops also available included broccoli, cabbage, carrots, green onions, kale, leeks, iceberg lettuce, mixed greens, parsley, turnips. Iceberg lettuce, tomatoes available eastern areas.

ARKANSAS: Temperatures 5 to 10° below normal with scattered thunderstorms first, last of the week, heaviest in the south. Extremes 36°; 85°. Precipitation none to 2.99 in.

Days suitable for fieldwork 4. Soil moisture supplies 3% short, 74% adequate, 23% surplus. Crop development ahead of schedule. Some flushing of rice fields. Treatment for armyworms continued on wheat. Corn planted 98%, 72% 1993, 86% avg. Corn, sorghum being treated for chinch bugs in several areas. Sunflowers good condition. Peaches, strawberries, tomatoes, pecans mostly good. Strawberry harvest ongoing. Fertilization, weed control of pastures ongoing. Soil preparation, planting of summer grasses continued. Cutting of hay underway. Pasture 27% fair, 71% good, 2% excellent. Alfalfa 15% fair, 85% good. Other hay 26% fair, 74% good. Livestock good. Good weight gains reported for cattle in several areas.

CALIFORNIA: Measurable rain most locations. Several places reported over an inch. Temperatures 5° below normal.

Good progress fieldwork until rain Friday halted activities most areas. Wheat dried, mature, southern counties; north fields

dough stage. Rain benefited dryland wheat, barley; high winds caused severe lodging some areas. Rice planting full swing before rain. Fertilizers, treatments weeds, water weevils, shrimp. Cotton planting rapidly winding down. Emerged fields thinned, weeded, sprayed lygus. Grain corn, silage corn, dry beans, sunflowers planted. Will replant some cotton, dry beans due to excessive rain, poor germination, cool soil temperatures. Corn sprayed weeds, cutworms. Over-wintered sugarbeets harvested, treated mildew. Alfalfa, oats, forage mixes, sudangrass cut hay, greenchopped. Grape growers controlled mildew, cultivated, irrigated. Growers thinned nectarines, plums, peaches, apples. Harvest early apricots, nectarines, peaches. Tulare, peaches. Nectarines, cherries, fruit split. Harvested, packed cherries. Tulare, kiwifruit, pomegranates bloomed. Olive groves full bloom; trees pruned. Almonds treated navel orange worm, walnuts blight. Grapefruits, lemons, Valencias, avocados harvested. Fresno, Valencia harvest slowed, rain. Navel orange harvest wound down. Strawberries harvested. Asparagus harvest drawing close Sutter, Fresno Counties, while progressing well San Joaquin County. Broccoli movement moderate around Salinas-Watsonville, Santa Maria. Carrots packed Kern County. Cauliflower, light supply along central coast. Cabbage harvested Fresno County. Celery harvested south coast. Head lettuce harvest Kern County complete. Head lettuce steady. Leaf, Romaine lettuce San Joaquin Valley good, market higher. Melons planted Sutter County, Riverside County melons treated whitefly. Onions, garlic Tulare County benefitted from recent rains. Peppers planted central valley. Summer potatoes Riverside County good growth, color. Squash harvested central valley. Harvest sweet corn Riverside County full swing. Sweet potatoes planted Fresno County. Fresh market tomatoes planted San Joaquin Valley. Processing tomato fields blooming Tulare County. Despite rains, lower ranges continued drying rapidly. Precipitation revived grasses, some pastures. Generally too late to benefit lower foothill grasses. Upper ranges continued developing nicely, moisture adequate. Livestock moved higher areas for better feed. Stockers shipped to feedlots. Cattle and sheep condition remained good.

COLORADO: Normal springlike weather was common across the State this week. A few minor upper level weather disturbances brushed over the State towards the end of the week providing cloud cover, scattered afternoon thunderstorms, mainly in the mountains, east. Dryer, more settled weather returned to the State on the 7th, 8th with only isolated thundershower activity. Temperatures mostly 4 to 8° below normal east of the Continental Divide, near normal west.

Days suitable for fieldwork 4.7. Soil moisture 1% very short, 22% short, 64% adequate, 13% surplus. Spring barley 92% seeded, 86% 1993, 89% avg.; 65% emerged, 57% 1993, 62% avg.; 2% poor, 21% fair, 57% good, 20% excellent. Oats 82% seeded, 59% 1993, 81% avg.; 68% emerged, 45% 1993, 57% avg.; 2% poor, 19% fair, 75% good, 4% excellent. Dry onions 98% planted, 84% 1993, 84% avg.; 1% very poor, 3% poor, 29% fair, 53% good, 14% excellent. Sugarbeets 75% planted, 97% 1993, 97% avg.; planting progress below last week due to replanting acreage damaged by freeze. Sugarbeets 19% very poor, 11% poor, 23% fair, 47% good. Spring wheat 77% planted, 40% 1993, 65% avg.; 40% emerged, 23% 1993, 35% avg. Corn 53% planted, 52% 1993, 58% avg.; 13% emerged, 6% 1993, 8% avg. Summer potatoes 95% planted, 78% 1993, 75% avg.; 0% emerged, 2% 1993, 20% avg. Fall potatoes 33% planted, 33% 1993, 23% avg. Winter wheat 75% jointed, 56% 1993, 64% avg.; 0% headed, 0% 1993, 4% avg.; 1% very poor, 2% poor, 15% fair, 68% good, 14% excellent. Sorghum 8% planted, 6% 1993, 6% avg. Livestock good to excellent. Pasture, range feed mostly fair.

FLORIDA: Temperatures 3° below normal to 5° above normal. Highs; middle 80s to low 90s. Lows; 50° to middle 60s. Most places had one to two days rain; average 1.00 to 3.00 in. in the Big Bend area, isolated spots east coast. Elsewhere, mostly under 0.33 in.

Soil moisture adequate Panhandle; north, short to adequate; Central Peninsula, mostly short, scattered adequate areas; southern Peninsula, adequate, scattered areas of surplus. Peanut, cotton planting active. Some dryland crops drought stressed. Corn, sugarcane making good progress. Preparations being made to start hay cutting. Citrus groves dry again, most growers irrigating. Some fruit softening. New crop fruit making good progress. Valencia harvest very active. Most late oranges being processed. Seedless grapefruit harvest slowing as supplies are running low. Temple, Honey tangerine movement about over. Caretakers cutting cover crops, hedging, topping, and post bloom spraying. Vegetable crops in generally good condition. Some hail damage on limited acreage East Coast at mid week. Strong winds, heavy rain reported in parts of Southwest. Snap bean harvest underway north. Palmetto-Ruskin tomato picking near peak level. Leading vegetable shipments were: Potatoes, tomatoes, watermelons, sweet corn, cucumbers. Also available: Snap beans, blueberries, cabbage, carrots, celery, chinese cabbage, eggplant, escarole, okra, parsley, peppers, romaine, specialty lettuces, radishes, squash, cherry tomatoes. Pasture feed 10% poor, 40% fair, 40% good, 10% excellent. Cattle herds fair to good.

GEORGIA: Temperatures 2 to 7° below normal. Highs 80s, except 70s mountains. Lows 40s to 50s at most locations, except 30s to 40s mountains, 50s coast. Rain 2 to 4 days. Rain totals mostly 0.50 to 2.00 in., some spots south over 3.00 in. Greatest amount was 3.73 in. at Claxton.

Days suitable for fieldwork 4.8. Soil moisture 1% very short, 8% short, 87% adequate, 4% surplus. Corn 2% poor, 19% fair, 73% good, 6% excellent; Finishing planting corn except for northern part of State. Laid by early corn in south. Cotton 20% fair, 73% good, 7% excellent; cool temperatures causing disease problems in seedlings central. Sorghum 19% fair, 80% good, 1% excellent; 56% planted, 33% 1993, 27% avg.; busy planting. Peanuts 15% fair, 80% good, 5% excellent; 65% planted, 65% 1993, 51% avg.; preparing land, planting. Cool temperatures causing disease problems central. Preparing land, planting soybeans. Tobacco 11% fair, 88% good, 1% excellent; 100% transplanted, 100% 1993, 100% avg.; spraying for budworms, disease problems few fields. Other small grains 2% poor, 16% fair, 74% good, 8% excellent; harvesting silage. Onions 4% fair, 93% good, 3% excellent; 62% harvested, 27% 1993, 51% avg.; harvest active. Watermelons 22% fair, 78% good; 96% planted, 97% 1993, 95% avg.; spraying watermelons. Other vegetables 22% fair, 77% good, 1% excellent; harvesting cabbage, snap beans, squash south. Planting cabbage north. Spraying. Apples 99% good, 1% excellent; 100% blooming, 98% 1993, 100% avg. Peaches 2% poor, 2% fair, 92% good, 4% excellent; 10% harvested, 0% 1993, 4% avg.; finished harvesting early varieties; getting underway on the rest. Pasture 1% very poor, 10% fair, 85% good, 4% excellent; spraying, fertilizing pastures. Cattle 5% fair, 92% good, 3% excellent. Hogs 6% fair, 91% good, 3% excellent. Activities: Cutting hay, preparing land, caring for livestock, poultry.

HAWAII: Mostly sunny weather prevailed throughout the State. Some islands received localized rainfall. Temperatures varied mid 60s to mid 80s. Winds 10 to 20 mph. Rainfall ranged from none to 1.30.

Overall crop conditions fair to good, made good progress during week. Papaya production at low level, some disease problems major growing areas. Sugar harvesting active all islands. Pineapple harvesting increasing with arrival of warmer weather. Watermelon harvesting gaining momentum.

IDAHO: Temperatures at or above 12° above normal. Extremes: 87°, 25°. Precipitation 0.11 to 0.73 in. north, none to 0.29 in. southwest, none to 1.04 in. southcentral, 0.02 to 0.43 in. east.

Days suitable for fieldwork 6. Soil moisture 4% very short, 20% short, 76% adequate, 0% surplus. Potatoes planted 63%, 30% 1993, 54% average. Potatoes emerged 3%, 0% 1993, 3% average. Spring barley planted 92%, 50% 1993, 82% average. Spring barley emerged 67%, 23% 1993, 57% average. Oats planted 78%, 37% 1993, 67% average. Oats emerged 55%, 13% 1993, 42% average. Sugarbeets planted 99%, 93% 1993, 98% average. Sugarbeets emerged 84%, 24% 1993, 56% average. Sugarbeets thinned 5%, 0% 1993, 2% average. Field corn planted 30%, 12% 1993, 30% average. Onions emerged 99% 9% 1993, 72% average. Dry edible peas planted 73%, 5% 1993, 64% average. Dry edible peas emerged 48%, 2% 1993, 37% average. Lentils planted 66%, 1% 1993, 62% average. Lentils emerged 43%, 0% 1993, 33% average. Irrigation water supplied 0% very poor, 8% poor, 21% fair, 64% good, 7% excellent. Hay and roughage supplies 0% very short, 5% short, 88% adequate, 7% surplus. Fruit starting to develop in southwest. Activities: irrigating, planting potatoes, replanting and thinning sugarbeets, weed control, branding, and moving cattle. Livestock reported in good condition with both calving and lambing 99% complete.

ILLINOIS: Cooler than normal weather occurred with moderate to heavy rainfall late in the week. Temperatures 3 to 8° below normal across the State. Highs low to mid 60s north, mid 60s to 70° south. Lows mid 30s to low 40s north, mid 40s to low 50s south. Rainfall 0.35 to 1.50 in. central third to less than 0.50 in. over the northern, southern thirds.

Days suitable for fieldwork 2.5. Soil moisture 2% short, 44% adequate, 54% surplus. Oats planted 97%, 44% 1993, 86% avg. Pasture 95% normal. Alfalfa 16% fair, 75% good, 9% excellent. Red clover 1% poor, 15% fair, 78% good, 6% excellent. Fieldwork continued at a good pace across the northern third of the State as corn planting nears completion, soybean planting is becoming the main activity. Farmers in the southern third of the State were busy tending livestock, hauling grain, making repairs as they waited an opportunity to resume corn planting.

INDIANA: A cold front moved through the State resulting in widespread rains, cooler temperatures. Decent amounts of rain fell in the south with lesser totals north. Fieldwork came to a halt 5th when it began to rain again. Temperatures well below normal, some 3 to 6° below normal. Temperatures near 50 to 60°. Highs varied upper 50s to upper 60s with lows in the upper 30s to upper 40s. Precipitation near 0.50 in. over the northern third of the State with an inch average over the rest of the State.

Planting, tillage slowed with the onset of cold, wet weather. Livestock are reported to be in good condition. Main activities: Farm, machinery maintenance, spraying or spreading fertilizer, caring for livestock, scouting fields for dry spots, germination, disease, insects, weeds. Pastures 92% of normal, 91% last week. Topsoil 52% adequate, 48% surplus. Subsoil moisture 67% adequate, 33% surplus. Oats seeded 92%, 55% 1993, 83% avg. Spring tillage 79%, 53% 1993, 83% avg.

IOWA: Temperatures 5 to 6° below normal. Extremes 29° 3rd, northeast; 81° 5th, southwest. Precipitation as little as 0.03 in. far west up to 1.77 in. northwest; average 0.79 in. normal 0.84 in. Days suitable for fieldwork 3.7 Topsoil 5% short, 82% adequate, 13% surplus. Subsoil 1% short, 87% adequate, 12% surplus. Corn emerged 15%, 0% 1993, 9% avg. Oats emerged 96%, 18% 1993, 75% avg. Primary seedbed preparation 95%, 35% 1993, 77% avg. Winter wheat 27% fair, 64% good, 9% excellent. Pasture 4% poor, 35% fair, 52% good, 9% excellent. Oats 2% poor, 23% fair, 63% good, 12% excellent. Hay 5% poor, 38% fair, 50% good, 7% excellent. Conditions for livestock are generally good. Soil is very susceptible to erosion at this point due to its very mellow condition.

KANSAS: Temperatures 2° below normal northwest, 5 to 7° below normal elsewhere. Precipitation heaviest southeast, varied 0.29 in. southwest to 1.73 in. southeast.

Days suitable for fieldwork 1.5. Topsoil moisture 6% short to very short, 57% adequate, 37% surplus. Subsurface moisture 8% short to very short, 70% adequate, 22% surplus. Heading of wheat crop progressing well southern third of State. Barley yellow dwarf has developed rapidly reaching moderate to severe levels over southern counties in the eastern half of the State. Other foliar disease infestations remain light except for wheat streak mosaic in a few central, western counties. Isolated spots of Russian wheat aphid were treated in a few counties along the Colorado border. Little or no widespread freeze damage has been reported thus far; however, it is still too early for most damage to become apparent. Corn planting progressed well in most western areas, held to a virtual standstill in the eastern third of the State. Many areas reported freeze damage to newly-emerged corn plants, extent of damage is unknown. Cold soil temperatures have slowed growth of young corn plants statewide. Most of the sorghum planted is in south central, southwest. Most of the soybeans planted are in southwest, central, south central regions. Pastures were set back by cold temperatures. South central ranchers supplementing grazing with feed supplies. Some cattle lost in flood waters of southeast.

KENTUCKY: The temperature average was 56°. High temperature 65°, 9° below the 30-year normal. Low temperature 48°, 2° below the 30-year normal. Precipitation 1.40 in. Eastern one-third received the most rain with Jackson receiving 2.50 in. Lexington receiving 2.64 in. Precipitation was 0.40 in. above normal for most of State, while amounts were about 1.25 in. above normal for the east.

Days suitable for fieldwork 1.7. Soil moisture 40% adequate, 60% surplus. Cool, wet weather kept farmers out of fields, slowed plant growth. Corn planting most advanced west, south central areas. Emerged corn yellow some areas due to excess moisture. Corn emerged 34% planted acres, 26% 1993, equal avg. Soybean planting limited. Tobacco plants in beds 50% under 2 in., 36% 2 to 4 in., 14% over 4 in. Burley transplanting 1% complete, 3% both 1993 and avg. Dark tobacco's 3% set, equal 1993 and avg. Winter wheat 45% headed, 35% 1993, 56% avg. Alfalfa weevils active, producers prepared for first alfalfa cutting when conditions permit. Pastures rated mostly good to excellent.

LOUISIANA: Temperatures 1.8 to 6.5° below normal. Extremes 44°; 86°. Rainfall 0.35 southeast, 3.58 in. central.

Days suitable for fieldwork 3.3. Soil moisture supplies: 55% adequate and 45% surplus. Corn 47% fair, 53% good; 99% planted, 96% 1993, 98% avg.; 99% emerged, 92% 1993, 96% avg. Planting delayed because of rain. Cotton 68% emerged, 24% 1993, 40% avg. Planting delayed because of heavy rainfall. Hay 23% first cutting, 17% 1993, 13% avg. Rice 3% poor, 49% fair, 48% good. Herbicide applications and planting were active. Wheat 2% poor, 50% fair, 48% good; 96% headed, 91% 1993, 96% avg.; 55% turning color, 35% 1993, 54% avg.; 0% harvested, 0% 1993, 1% avg. Disease pressure was low and the outlook on the crop remained favorable. Sorghum 46% emerged, 24% 1993, 45% avg. Planting delayed. Soybeans 6% emerged, 2% 1993, 3% avg. Spring plowing 93% plowed, 86% 1993, 86% avg. Sweet Potatoes 4% planted, 10% 1993, 9% avg. Sugarcane 2% poor, 54% fair, 44% good. Fieldwork delayed. Livestock 5% poor, 42% fair, 50% good, 3% excellent. Pasture 1% poor, 4% fair, 90% good, 5% excellent. Vegetables 2% poor, 19% fair, 77% good, 2% excellent. Strawberry harvest virtually complete. MAY 9, 1994

MARYLAND & DELAWARE: **MARYLAND:** Precipitation 0.99 in., normal 0.78 in. Temperature 58.0°, normal 58.5°. Extremes 29°; 83°.

Days suitable for fieldwork: 4.2. Topsoil moisture 68% adequate, 32% surplus. Subsoil moisture 68% adequate, 32%

surplus. Pasture excellent. Small grain fair to good. Winter wheat 28% headed, 18% 1993, 30% avg. Barley 88% headed, 59% 1993, 76% avg. Rye 52% headed, 42% 1993, 67% avg. Corn grain 48% planted, 35% 1993, 42% avg. Sweet corn 22% planted, 45% 1993, 34% avg. Potato 80% planted, 94% 1993, 92% avg. Watermelons 34% planted, 22% 1993, 28% avg. Cantaloupes 35% planted, 29% 1993, 29% avg. Tomatoes 56% percent planted, 44% 1993, 42% avg. Apples 90% bloomed, 69% 1993, 86% avg. Strawberries 69% bloomed, 51% 1993, 72% avg.

DELAWARE: Precipitation 1.24 in., normal 0.70 in. Temperature 57.6°, normal 59.1°. Extremes 35°; 78°.

Days suitable for fieldwork 4.6. Topsoil 50% adequate, 50% surplus. Subsoil moisture 100% adequate. Pasture excellent. Small grain fair. Wheat 4% headed, 9% 1993, 28% avg. Barley 80% headed, 83% 1993, 86% avg. Rye 50% headed, 47% 1993, 74% avg. Corn grain 52% planted, 47% 1993, 53% avg. Sweet corn 41% planted, 55% 1993, 47% avg. Potato 77% planted, 92% 1993, 95% avg. Watermelons 3% planted, 26% 1993, 15% avg. Cantaloupes 4% planted, 27% 1993, 12% avg. Tomatoes 5% planted, 26% 1993, 18% avg. Apples 69% bloomed, 79% 1993, 92% avg. Strawberries 69% bloomed, 52% 1993, 70% avg.

MICHIGAN: Extremes 25°; 71°. Precipitation none to 0.90 in.

Soil moisture 10% short, 70% adequate, 20% surplus. Corn 20% planted, 3% 1993, 20% avg. Oats 75% planted, 25% 1993, 60% avg. Potatoes 25% planted, 10% 1993, 25% avg. Sugarbeets 80% planted, 5% 1993, 60% avg. Soybeans 5% planted, 2% 1993, 4% avg. Winter wheat 0% headed, 0% 1993, 0% avg.; 3% very poor, 7% poor, 20% fair, 50% good, 20% excellent. Pasture feed 85% of normal. Major activities: Spreading fertilizer, hauling manure, planting field crops, planting, spraying, pruning fruit trees.

MINNESOTA: Temperatures 3 to 7° below normal for the State. Extremes 24°; 72°. No other data available.

MISSISSIPPI: Temperatures 4.7° below normal. Extremes 37°; 87°. Soil temperature 70°. Rainfall 1.51 in. statewide, 0.29 in. above normal. Southwest district accumulated over 2.00 in. Cool temperatures slowed the emergence of some crops planted last week.

Days suitable for fieldwork 3.9. Soil moisture 67% adequate, 33% surplus. Corn 96% planted, 67% 1993, 78% avg.; 88% emerged, 48% 1993, 67% avg.; 15% fair, 68% good, 17% excellent. Cotton 83% planted, 20% 1993, 45% avg.; 69% emerged, 7% 1993, 31% avg.; 7% poor, 33% fair, 55% good, 5% excellent. Rice 99% planted, 23% 1993, 52% avg.; 83% emerged, 9% 1993, 31% avg.; 11% poor, 18% fair, 65% good, 6% excellent. Sorghum 73% planted, 36% 1993, 50% avg.; 54% emerged, 27% 1993, 39% avg.; 34% fair, 60% good, 6% excellent. Soybeans 37% planted, 4% 1993, 7% avg.; 28% emerged, 1% 1993, 2% avg.; 19% fair, 73% good, 8% excellent. Wheat 99% heading, 73% 1993, 92% avg.; 5% mature, 2% 1993, 10% avg.; 41% fair, 48% good, 11% excellent. Hay 17% harvested, 4% 1993, 5% avg. Peanuts 88% planted, 9% 1993, 25% avg. Sweet potatoes 36% planted, 3% 1993, 21% avg. Watermelons 90% planted, 68% 1993, 77% avg.; 2% poor, 56% fair, 42% good. Livestock 13% fair, 74% good, 13% excellent. Pasture 87% of normal. Activities: Planting crops, weed control, equipment maintenance.

MISSOURI: Temperatures below normal, 4 to 7° below normal. Rainfall 1.06 in., 0.46 in. southeast, to 1.77 in. southwestern district.

Days suitable for fieldwork 1.4. Topsoil moisture 1% short, 28% adequate, 71% surplus. Ground worked at least once for spring crops 79%, 42% 1993, 84% avg. Corn planting most advanced southwestern 77%, southeastern 78%. Wheat heading most advanced in southern third of State. Pastures 3% poor, 26% fair, 60% good, 11% excellent.

MONTANA: Temperatures above normal across the State. Limited precipitation in the southwest, south central, northeast districts.

Days suitable for fieldwork 4.2. Topsoil moisture 11% short, 79% adequate, 10% surplus. Subsoil moisture 13% short, 79% adequate, 8% surplus. Barley 67% planted, 42% 1993, 57% avg.; 25% emerged, 7% 1993, 15% avg. Oats 57% planted, 45% 1993, 51% avg.; 21% emerged, 5% 1993, 9% avg. Sugarbeets 96% planted, 79% 1993, 75% avg.; 33% emerged, 2% 1993, avg. NA. Corn 51% planted, 25% 1993, 32% avg.; 17% emerged, 0% 1993, avg. NA. Dry beans 15% planted, 7% 1993, 2% avg.; 3% emerged, 0% 1993, avg. NA. Potatoes 28% planted, 4% 1993, 11% avg.; 3% emerged, 0% 1993, avg. NA. Calving 95% complete, lambing 85% complete. Cattle, calves moved to summer pastures 21%; sheep, lambs 18%. Pasture, range feed condition 97% of normal.

NEBRASKA: Temperatures varied from 2° above normal northwest to 6° below normal east central. Precipitation was widespread averaging 0.10 to 0.20 in.

Days suitable for fieldwork 3.4. Topsoil moisture 11% short, 74% adequate, 15% surplus. Subsoil moisture 6% short, 88% adequate, 6% surplus. Wheat 46% fair, 50% good, 4% excellent; 66% jointed, 43% 1993, 65% avg. Corn 58% planted, 24% 1993, 53% avg. Soybeans 5% planted, 1% 1993, 5% avg. Alfalfa 4% poor, 29% fair, 62% good, 5% excellent. Pasture, range 96% of normal.

NEVADA: Widespread showers, thundershowers, precipitation heaviest northwest, northeast, both averaging about 0.80 in. Tornado touched down 16 miles south of Battle Mountain, no damage. Temperatures slightly above normal across State. Extremes 17°; 100°.

Spring wheat 45% planted, 85% 1993, 70% avg.; oats 55% planted, 60% 1993, 65% avg.; barley 60% planted, 65% 1993, 70% avg.; potatoes 70% planted, 35% 1993, 55% avg. Irrigation water supplies 20% very short, 5% short, 75% adequate. Small grains, alfalfa hay generally good condition. Pasture, range condition mostly good. Calving, lambing, shearing about complete.

NEW ENGLAND: Precipitation 0.16 to 2.56 in. regionwide. Temperatures 37 to 52° north; 43 to 55° south. Maximum temperatures 54 to 75° north; 65 to 75° south. Minimum temperatures 22 to 35° north; 20 to 42° south.

Maine potatoes <5% planted, 5% 1993, <5% avg.; good. Field corn 10% planted, 15% 1993, 10% avg.; good. Sweet corn 15% planted, 20% 1993, 10% avg.; good. Apples and cranberries at bud stage. Peaches, pears at early bloom stage. Major farm activities: Plowing fields, harrowing, spreading manure, other fertilizer in preparation for planting field crops. Greenhouses, nurseries selling spring flowers, early bedding plants, landscaping plants. Planting peas, beets, carrots, onions, other cool season vegetables. Planting of field corn, sweet corn on drier soils. Applying oil sprays to orchards.

NEW JERSEY: Temperatures averaged much below normal. Extremes 32°; 74°. Rainfall averaged 1.40 in. north, 1.36 in. central, 1.25 in. south. Heaviest 24-hour total 1.44 in. Estimated soil moisture, in percent of field capacity, averaged 87% north, 77% central; 63% south. Four-inch soil temperatures averaged 55° north, 55° central, 63° south.

Ground preparation still 1 week behind. Five to 6 days suitable for fieldwork. Planting of potatoes, peppers, tomatoes, carrots, cucumbers, corn, sweet corn active. Limited harvesting of some types of lettuce. Shuck split on peaches in some areas of south, and reported in excellent condition. Peaches in some parts of north in petal fall stage. Apples in good condition. Strawberries and early varieties of blueberries in full bloom. Field preparation for corn and soybeans is underway.

NEW MEXICO: Most of the States temperatures 4° above normal for week. Extremes 20° at Gallup; 96° at Carlsbad. Precipitation was rather spotty, mostly confined to areas from the central mountain chain eastward. The only totals above one

fifth of an inch were reported at Clayton 0.98 in., Roswell 0.23 in.

Days suitable for fieldwork 6.5. Soil moisture 88% short, 12% adequate. Light freeze damage in a few spots affecting fruit, nut trees. Wind damage light across the state affecting chile, alfalfa, cotton. Cropland conditions: Alfalfa 10% poor, 47% fair, 40% good, 3% excellent. Irrigated wheat 6% poor, 53% fair, 41% good. Dryland wheat 33% very poor, 67% poor. Wheat crop 36% headed. Chile 30% fair, 70% good. Onions, lettuce fair to excellent. Cattle, sheep very poor to good with 82% in the fair to good range. Range feed condition 58% of normal.

NEW YORK: Early-week storm brought half-inch rainfalls to eastern areas. Low temperatures for the first half of the week were in the upper 20s to lower 40s. Cold front brought rain on 5th in west, 6th to rest of State. The 7th yielded still additional rain as another storm arrived. Extremes 26°; 75°.

Days suitable for fieldwork 5.5. Soil moisture mostly adequate. Pasture feed 91% of normal. Hay, wheat in fair to good. Oats 64% planted, 41% in 1993, 47% avg. Corn 7% planted, 8% 1993, 9% avg. Planting gaining momentum. Potatoes 50% planted in Upstate areas. Winter kill becoming more noticeable in orchards. Peaches in Hudson Valley near total loss to this year's crop. Pears, sweet cherries have very few blossoms, a result of freeze damage. Orange County onion planting completed. Strawberries up, not in blossom yet. Sweet corn under plastic up, bare ground underway. Cabbage transplanting started.

NORTH CAROLINA: Mean temperatures 3 to 5° above normal. Precipitation data not available.

Days suitable for fieldwork 4.5. Soil moisture 19% short, 77% adequate, 4% surplus. Crop conditions: Wheat 1% poor, 26% fair, 70% good, 3% excellent; oats 3% poor, 22% fair, 73% good, 2% excellent; barley 2% poor, 20% fair, 78% good; rye 2% poor, 17% fair, 81% good; pasture 24% fair, 76% good; tobacco plant beds; 15% fair, 83% good, 2% excellent; field tobacco 26% fair, 72% good, 2% excellent; corn 23% fair, 75% good, 2% excellent; cotton 8% poor, 27% fair, 65% good; hay 24% fair, 76% good; peaches 16% fair, 76% good, 8% excellent; truck crops 28% fair, 72% good; hay, roughage supplies 2% very short, 17% short, 79% adequate, 2% surplus; feed grain supplies 3% short, 72% adequate, 2% surplus. Corn planted 92%, 73% 1993, 80% avg.; cotton planted 52%, 36% 1993, 40% avg.; peanuts planted 27%, 20% 1993, 25% avg.; sorghum planted 9%, 7% 1993, 9% avg.; soybeans planted 22%, 14% 1993, 22% avg.; flue-cured tobacco transplanted 69%, 49% 1993, 61% avg.; Activities included: Transplanting tobacco; planting corn, cotton; cutting hay, preparing land for planting. Other activities included: Planting potatoes, vegetables; tending livestock; equipment repair.

NORTH DAKOTA: Cool weather across State, showers mainly in east. Precipitation none north central to 0.35 in. east central. Temperatures 3° below normal northwest to 8° below normal east central. Extremes 20° north central; 77° northwest.

Days suitable for fieldwork 5.1. Soil moisture above average. Topsoil 14% short, 78% adequate, 8% surplus. Subsoil 4% short, 88% adequate, 8% surplus. Small grain emergence slower than 1993 and average. Hard red spring wheat 39% planted, 7% emerged and beyond; 61%, 20% 1993; 62%, 24% avg.; durum wheat 21% planted, 1% emerged and beyond; 35%, 8% 1993; 38%, 9% avg.; barley 42% planted, 7% emerged and beyond; 65%, 18% 1993; 62%, 24% avg.; oats 33% planted, 5% emerged and beyond; 59%, 16% 1993; 58%, 22% avg. Winter wheat 100% stooling or earlier; condition 20% fair, 73% good, 7% excellent. Sugarbeets 57% planted, 91% 1993, 76% avg.; corn 15% planted, 14% 1993, 16% avg.; flax 5% planted, 11% 1993, 8% avg.; potatoes 5% planted, 21% 1993, 12% avg. Roughage requirements furnished by pastures 40%; pastures 93% of normal. Calving 95% complete, lambing 97%, shearing 97%. Stockwater supplies 87% adequate, 13% surplus.

OHIO: Cooler than normal weather over the past 7 days. Heavy rain to south, parts of central during weekend. Some frost,

freezing temperatures were reported across the State. Daily high temperatures 50° north to 60° south. Lows were upper 30's north to mid 40's south. Coldest extremes upper 20's at a few locations across State. Rainfall 0.30 in. north to 2.5 in. south.

Days suitable for fieldwork 3.7. Soil moisture 7% short, 72% adequate, 21% surplus. Many crops are above their five year planting date averages as conditions were ideal for planting. Winter wheat mostly good to excellent. Oats planted 93%, 54% 1993, 81% avg. Corn planted much above average, 62% planted, 24% 1993 39% avg. Soybeans planted 18%, 6% 1993, 11% avg. Pasture 3% poor, 22% fair, 60% good, 15% very good. Hay mostly good. Apples mostly good. Peaches mostly poor.

OKLAHOMA: Temperatures near normal Panhandle to 5° below normal south central. Precipitation 0.07 in. Panhandle to 3.16 in. southeast.

Days suitable for fieldwork 3.5. Topsoil moisture 65% adequate, 35% surplus. Subsoil moisture 10% short, 90% adequate. Oats 87% jointing, 39% 1993, 98% avg.; 42% headed, 13% 1993, 56% avg. Barley 90% jointing, 29% 1993, 98% avg.; 29% headed, 5% 1993, 45% avg. Corn 17% fair, 83% good; 90% planted, 91% 1993, 85% avg.; 78% up-to-stand, 63% 1993, 51% avg. Soybeans 86% sdbd prpd, 45% 1993, 68% avg.; 30% planted, 16% 1993, 12% avg.; 9% up-to-stand, 5% 1993, 1% avg. Peanuts 77% sdbd prpd, 71% 1993, 68% avg.; 5% planted, 9% 1993, 8% avg.; 2% up-to-stand, none 1993, 2% avg. Pasture 91% of normal. Feeders, stockers were weak to \$3.00 lower.

OREGON: Temperatures near normal. Precipitation: coast 1.50 to 2.00 in., western interior 0.20 to 0.50 in., eastern areas 0.10 to 0.50 in.

Soil moisture 42% short, 57% adequate, 1% surplus. Winter wheat 7% very poor, 12% poor, 32% fair, 38% good, 11% excellent; 8% emerged. Barley 65% planted. Sugarbeets for seed nearing harvest, silage corn planting underway, southern areas. Canola full bloom, Columbia Basin of Oregon. Willamette Valley: blueberries, strawberries bloom continued, raspberries, Marionberries near bloom stage, hazelnuts good condition. Medford district applying scab sprays to pears. Stevens cranberries hook stage, McFarlin roughneck stage; southern coast. Potato planting 10% complete, Klamath Basin. Malheur County: Sweet corn 50% planted, onion crop excellent, potatoes emerging. Willamette Valley vegetable planting continued. Livestock good to excellent. Range, pasture 84% of normal. Eastern ranges beginning to dry, western pastures near normal. Southeastern producers noted possible stockwater shortages. Supplemental feeding winding down, cattle turn out on early public lands continued, calving, branding winding down.

PENNSYLVANIA: Light rain midweek; heavy end of week. Temperature 54°, 2° above normal. Extremes 23°; 78°. Precipitation 0.98 in., 0.16 in. above normal.

Days suitable for fieldwork 4. Soil moisture 4% short, 84% adequate, 12% surplus. Plowing 71% complete, 42% 1993, 66% avg. Corn 26% planted, 14% 1993, 20% avg. Soybeans 1% planted, 2% 1993, 2% avg. Oats 78% planted, 55% 1993, 75% avg. Potatoes 44% planted, 15% 1993, 38% avg. Tobacco beds 100% planted, 100% 1993, 99% avg. Barley 32% boot, 19% 1993, 31% avg.; 5% heading or headed, 8% 1993, 12% avg. Wheat 20% boot, 10% 1993, 16% avg.; 1% heading or headed, 0% 1993, 1% avg. Wheat 2% very poor, 4% poor, 23% fair, 53% good, 18% excellent. Oats 2% very poor, 4% poor, 36% fair, 46% good, 12% excellent. Hay stands mostly good. Feed from pastures good to excellent. Peaches 69% pink, 77% 1993, 78% avg.; 50% full bloom or past, 53% 1993, 62% avg. Cherries 78% pink, 82% 1993, 80% avg.; 60% full bloom or past, 57% 1993, 65% avg. Apples 75% pink, 64% 1993, 67% avg.; 55% full bloom or past, 30% 1993, 43% avg. Activities: Plowing; planting oats; planting corn; spreading fertilizer; hauling manure; caring for livestock.

PUERTO RICO: Rainfall 0.36 in. was 1.05 in. below normal. Highest total rainfall 2.07 in. at Pico del Este, 1.26 in. at San Lorenzo 3S. Island temperatures 80° on the coasts, 74° interior with mean station temperatures 62.9 to 83.1°. Extremes 56°; 95°.

SOUTH CAROLINA: Temperatures 2 to 5° below normal. Average rainfall 1.10 in.

Days suitable for fieldwork 5.3. Soil moisture 5% very short, 44% short, 51% adequate. Tobacco fair to good; virtually planted. Corn good. Cotton 65% planted, 49% 1993, 45% avg. Cantaloupes fair to good; 85% planted, 79% 1993, 80% avg. Watermelons fair to good; 88% planted, 84% 1993, 87% avg. Cucumbers good; 83% planted, 85% 1993, 83% avg. Snapbeans good; 69% planted, 66% 1993, 66% avg. Tomatoes good. Oats good; 91% headed, 82% 1993, 91% avg; 39% turning color, 14% 1993, 27% avg. Rye fair to good; 48% turning color, 17% 1993, 31% avg. Wheat good; virtually headed; 39% turning color, 2% 1993, 23% avg. Peanuts fair to good; 61% planted, 51% 1993, 51% avg. Pastures 3% poor, 20% fair, 77% good.

SOUTH DAKOTA: Cool, most locations had light precipitation. Temperatures about 5° below normal. Extremes 21°; 74°. Precipitation none northwest to 1.10 in. Black Hills.

Days suitable for fieldwork 1.5. Topsoil moisture 2% short, 55% adequate, 43% surplus. Subsoil moisture 3% short, 60% adequate, 37% surplus. Winter wheat 2% boot, 3% 1993, 6% avg. Winter rye 11% fair, 79% good, 10% excellent; 6% boot, 2% 1993, 3% avg. Small grain planting progress, emergence behind average. Barley 77% planted, 66% 1993, 84% avg.; 51% emerged, 30% 1993, 58% avg. Oats 79% planted, 62% 1993, 87% avg.; 57% emerged, 33% 1993, 65% avg. Flax 20% planted, 8% 1993, 29% avg. Sunflower 1% planted, none 1993, 1% avg. Livestock 1% poor, 5% fair, 76% good, 18% excellent. Calving 86% complete, lambing 77%. Feed supply 1% short, 86% adequate, 13% surplus. Pastures 87% of normal, 33% cattle moved to pastures. Water supply 68% adequate, 32% surplus. Ranchers busy vaccinating cattle, repairing fences.

TENNESSEE: Started out dry before a weak trough brought rain 2nd, 3rd. Dry weather returned for 4th to 6th. A cold front ended the week bringing rainfall amounts for the week above normal except in some locations such as Dyersburg, Jackson. Temperatures were well below normal statewide.

Days suitable for fieldwork 3.0. Soil moisture 77% adequate, 23% surplus. Corn 70% planted, 68% 1993, 61% avg. Cotton 31% planted, 16% 1993, 34% avg. Sorghum 10% planted, 11% 1993, 18% avg. Soybeans 2% planted, 0% 1993, 2% avg. Tobacco 98% plants up, 97% 1993, 99% avg.; 5% transplanted, 6% 1993, 8% avg. Wheat 88% headed, 14% 1993, 73% avg.; 28% fair, 61% good, 11% exc. Apples 98% blooming or beyond, 98% 1993, 100% avg. Alfalfa 13% first cut., 3% 1993, 10% avg.; 1% very poor, 2% poor, 32% fair, 65% good. Pastures, 10% fair, 80% good, 10% exc. Cattle, 8% fair, 88% good, 4% excellent. Armyworms in West Tennessee are causing concern to corn producers, control measures are underway. Cotton producers report good stands on early planted cotton. Warm weather is sorely needed now. Tobacco transplanting has started in many areas, but the unfavorable weather has kept progress slow. The wheat crop has reached the critical flowering stage in western areas. In eastern areas harvest of wheat for hay slowed as weather was uncooperative. The crop remains rated in mostly good condition, but slipped to about one-fourth in the fair category. Dry, warm weather is needed in the next 10 days.

TEXAS: Early in week a front triggered thunderstorms mainly over eastern third of State with rains of 1 to 2 inches recorded at several locations. A few showers fell in Trans-Pecos at midweek. Early in weekend, an upper air disturbance sparked thunderstorms over southwest counties. Temperatures were mild for much of week with late-week warming noted in south. Although all regions recorded rainfall during week, amounts were above normal only in East Texas, Trans-Pecos. Temperatures slightly below normal.

Crops: Corn: Planting continued in Northern High Plains where some early planted stands were showing signs of stress due to cool temperatures and dampness. Crop made good progress in South Central Texas, except for a few fields which were damaged by hail. Corn 79% normal, 84% 1993. Cotton planting continued in High Plains as conditions permitted. Due to cool damp conditions, some fields in Northern Low Plains may need to be replanted. Cool temperatures in South Central Texas continued to slow cotton

growth. Peanut producers were preparing land, applying pre-plant herbicides in Cross Timbers, Blacklands where conditions allowed 5% planted, 8% 1993. Rice planting delayed because of rain, existing stands continued normal development. Sorghum planting slowed by showers in many areas of High Plains. Planting virtually complete in South Texas. Existing stands benefited from rainfall. Cultivation activities were active where conditions allowed. Sorghum 82% normal, 73% 1993. Soybeans fields in Blacklands continued to make good progress with no major insect problems. Planting operations continued along Upper Coast as conditions allowed, 28% planted, 38% 1993. Small grains some fields in Northern High Plains continued to show signs of freeze damage. In some areas of Southern Low Plains, very little wheat is expected to be harvested for grain due to earlier dry conditions. Producers in Blacklands were preparing for wheat harvest. Wheat harvest began in a few fields in South Central Texas. Cross Timbers producers were cutting oats for hay. Wheat 47% normal, 77% 1993. Sugarbeets 98% planted, 97% 1993. Sunflowers 10% planted, 33% 1993.

Commercial Vegetables: Rio Grande Valley producers were busy harvesting cabbage, carrots, cucumbers, squash. Onion harvest continued to wind down. Trans-Pecos irrigation of cantaloup, onion fields continued. Onion harvest should start soon. East Texas, vegetable crops made good progress. Potato harvest continued. Disease, insect pressure light. High Plains, wet fields and cool temperatures delayed planting activities. Peaches several areas in Blacklands received hail damage. Spraying for Brown Rot began in Edwards Plateau. Some early varieties were harvested in South Central Texas. Producers were thinning crop in East Texas. Pecans continued to be sprayed with zinc, insecticides. Due to earlier freezes, crop may be light in South Central Texas.

Range and Livestock: Due to recent rains, pastures, ranges continued to improve across much of State. Tank levels improved in many areas. Fertilizing of pastures, along with hay cutting, baling were active where conditions allowed. Supplemental feeding continued. Livestock in fair to good condition.

UTAH: Temperature maximums 1° above normal, minimums averaged 2° above normal. Precipitation was light to moderate across the entire State except for Dixie division which received little to no precipitation.

Days suitable for field work 5.2. Soil moisture 4% short, 82% adequate, 14% surplus. Alfalfa hay height 8.3 inches, 8.5 inches 1993, 11.4 inches avg. Winter wheat 87% good, 13% fair. Fall barley 87% good, 13% fair. Spring wheat planted 98%, 88% 1993; emerged 79%, 53% 1993, 80% avg. Barley planted 99%, 88% 1993; emerged 79%, 54% 1993, 80% avg. Oats planted 79%, 68% 1993; emerged 57%, 31% 1993, 55% avg. Winter wheat jointed 15%, 10% 1993, 34% avg. Corn planted 53%, 25% 1993, 46% avg.; emerged 15%, 1% 1993, 18% avg. Potatoes planted 30%. Pasture, range conditions good to excellent. Major farm activities were planting small grains, corn, alfalfa, general spring work, spraying weeds, irrigating.

VIRGINIA: Temperatures averaged above normal early, below normal by end of week. Extremes 32°; 90°. Precipitation was above normal most areas except northern, southern peripheries.

Days suitable for fieldwork 3.3. Topsoil 2% short, 70% adequate, 28% surplus. Barley 29% fair, 68% good, 3% excellent. Wheat 42% fair, 57% good, 1% excellent. Pasture feed 5% poor, 22% fair, 64% good, 9% excellent. Alfalfa hay 12% fair, 76% good, 12% excellent. Other hay 8% poor, 33% fair, 52% good, 7% excellent. Peaches 36% very poor, 12% poor, 17% fair, 32% good, 3% excellent. Apple 2% poor, 32% fair, 52% good, 14% excellent. Tobacco plant bed 22% fair, 61% good, 17% excellent. Tobacco greenhouse 9% fair, 56% good, 35% excellent. Potato fair to good. Corn was 60% planted, 53% 1993, 56% avg.; 38% fair, 59% good, 3% excellent. Peanuts planted 50%, 36% 1993, 51% avg. Soybeans planted 7%, 5% 1993, 6% avg. Cotton planted 77%, 67% 1993, 70% avg. Flue tobacco transplanted 27%, 14% 1993, 31% avg. Fire tobacco transplanted 5%, 3% 1993, 13% avg. Managing tobacco plantbeds, clipping tobacco greenhouses, some spraying for alfalfa weevils, harvesting rye and

some barley for hay and haylage, scouting, spraying for cereal leaf beetles, first cutting of hay underway.

WASHINGTON: Temperatures 3° below to 1° above normal west; 8° below to 7° above normal east. Precipitation none to 1.26 in. west; 0.02 to 1.47 in. east.

Days suitable for fieldwork 6.4. Soil moisture 45% short, 55% adequate. Hay, other roughage supplies 2% very short, 35% short, 61% adequate, 2% surplus. Range, pasture 18% poor, 56% fair, 25% good, 1% excellent. Winter wheat dryland 8% poor, 43% fair, 28% good, 21% excellent; irrigated 97% good, 3% excellent. Spring wheat dryland 50% fair, 50% good; irrigated 2% fair, 98% good. Barley dryland 55% fair, 45% good; irrigated 100% good. Winter wheat 2% headed, 0% 1993, 2% avg. Spring wheat 99% planted, 67% 1993, 92% avg.; 97% emerged, 48% 1993, 82% avg. Barley 99% planted, 46% 1993, 87% avg; 95% emerged, 25% 1993, 73% avg. Potatoes 97% planted, 87% 1993, 87% avg; 29% emerged, 27% 1993, 44% avg. Dry beans 5% planted, 0% 1993, 5% avg. Dry peas 98% planted, 24% 1993, 79% avg. Corn 60% planted, 57% 1993, 42% avg. Wheat streak mosaic virus continued to be a concern in winter wheat in the northern Columbia Basin. Some barley yellow dwarf has also been reported. Dry bean planting and alfalfa cutting began. Chemical thinning continued in orchards. Cherry set was moderate with an early bloom and an early expected harvest. Greenchop harvest continued.

WEST VIRGINIA: Temperature 50°. Extremes 30°; 71°. Precipitation 2.32 in.

Days suitable for fieldwork 2.4. Soil moisture 85% adequate, 15% surplus. Barley good. Wheat good. Hay 30% fair, 70% good. Apples 40% poor, 60% fair. Peaches 100% very poor. Soil prepared 63%. Corn 43% planted, 10% emerged. Oats 80% planted, 38% emerged. Tobacco beds 100% planted, 99% emerged. Gardens 39% planted, 27% emerged. Soybeans planted 10%. Pastures 25% fair, 75% good; 92% of normal. Cattle 10% fair, 90% good. Sheep; good. Hay feed supplies 22% very short, 52% short, 26% adequate. Other feed supplies 4% very short, 22% short, 74% adequate. Farm activities: Fertilizing, plowing, planting gardens, calving, lambing.

WISCONSIN: Temperature 49°, 3° below normal. Extremes 19°; 75°. Precipitation trace to 0.30 in.

Days suitable for fieldwork 4.9. Soil moisture 4% short, 66% adequate, 30% surplus. Pasture condition 77% normal, 78% 1993, 73% avg. Corn planted 38%, 5% 1993, 18% avg. Oats planted 76%, 18% 1993, 59%. Corn planting was well underway in the southern third of the State, just starting to pick up in the northern two-thirds. Oats planting was virtually complete in the southern third of Wisconsin. Reports of winter wheat, alfalfa winter damage remained unchanged from last week with 98% of the winter wheat, 96% of the alfalfa coming through winter with light to no damage. Reporters indicated that alfalfa looked good, warm weather was needed to accelerate growth. Green peas were starting to sprout.

WYOMING: Weather was slightly warmer, dry across most of State. Temperatures were near normal. Lander 5° above normal while Alva was the cool spot averaging 4° below normal. Precipitation was below normal. Sheridan received the largest amount of precipitation with 0.47 in.

Days suitable for fieldwork 5.2. Topsoil moisture 10% short, 83% adequate, 7% surplus. Subsoil moisture 10% short, 90% adequate. Spring wheat 23% planted, 26% 1993, 35% avg.; 40% emerged, 20% 1993, 37% avg. Oats 31% planted, 36% 1993, 34% avg.; 39% emerged, 20% 1993, 33% avg. Barley 19% planted, 20% 1993, 25% avg.; 70% emerged, 54% 1993, 59% avg. Sugarbeets 51% planted, 78% 1993, 66% avg.; 47% emerged, 18% 1993, 26% avg. Corn 55% planted, 29% 1993, 32% avg.; 5% emerged, 1% 1993, 2% avg. Potatoes 20% planted, 42% 1993, 28% avg.; 0% emerged, 0% 1993, 11% avg. Winter wheat 95% emerged; 5% jointed. Irrigation water supplies 18% short, 72% adequate, 10% surplus. Condition of cattle 99% good, 1% excellent; calves 99% good, 1% excellent; sheep 99% good, 1% excellent; lambs 99% good, 1% excellent. Spring calves born 95%, 95% 1993, 92% avg. Range flock ewes lambed 42%, 57% 1993, 58% avg.; shorn 86%, 82% 1993, 79% avg. Lamb losses 7% light, 83% normal, 10% heavy.

International Weather and Crop Summary

HIGHLIGHTS

May 1 - 7, 1994

FSU-WESTERN: Although cool, wet weather in Russia slowed spring grain planting, it increased moisture for crop growth.

EUROPE: Generally favorable planting weather prevailed across the region.

AUSTRALIA: Rain is needed to boost topsoil moisture for wheat planting across most areas.

SOUTH ASIA: A powerful tropical cyclone crossed minor agricultural producing areas of eastern Bangladesh and Burma.

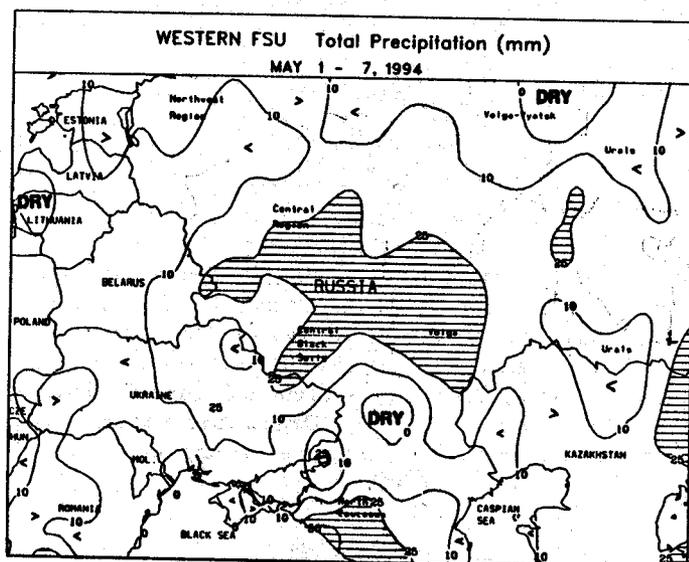
SOUTHEAST ASIA: Rain benefited southern rice and central corn areas in Thailand.

EASTERN ASIA: Widespread rain increased topsoil moisture across Manchuria, spurring summer crop planting.

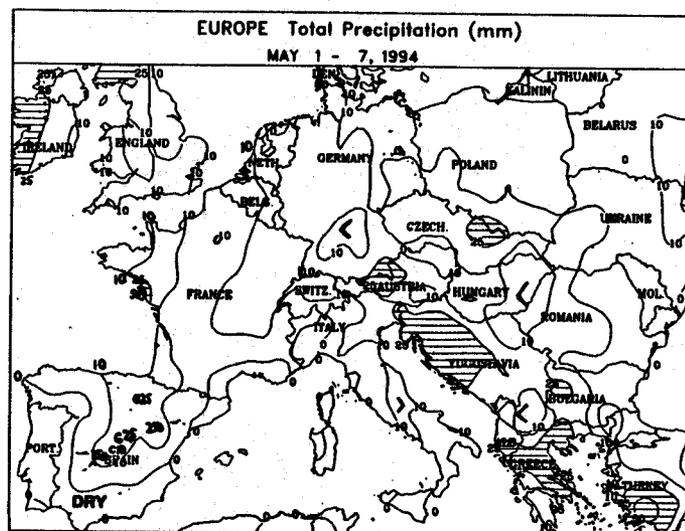
SOUTH AMERICA: Showers slowed summer crop harvesting in Argentina, but increased topsoil moisture for wheat planting.

SOUTH AFRICA: Dry weather helped corn harvesting and winter wheat planting.

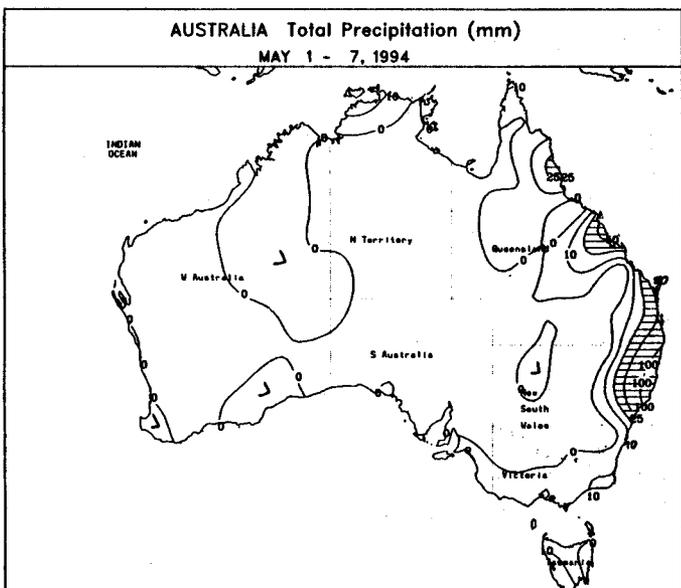
NORTHWESTERN AFRICA: Mostly dry weather favored crop maturation and early harvest.



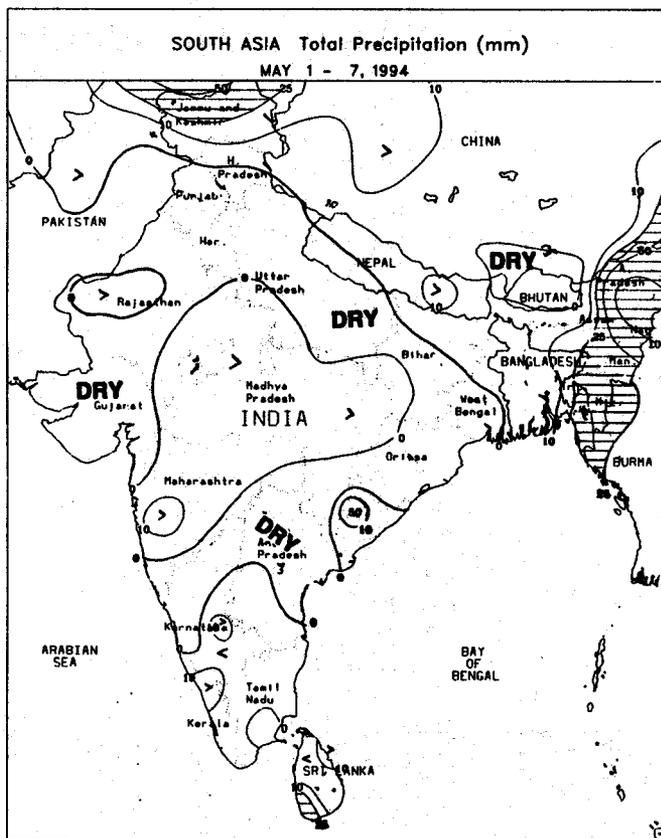
FSU-WESTERN: A cooling trend over the region was accompanied by light to moderate showers (10-25 mm, with local amounts in excess of 35 mm) over eastern Ukraine and most of Russia. Greatest amounts of precipitation (more than 25 mm) fell over Russian crop areas in the southern North Caucasus, southern Central Region, Central Black Soils Region, and the middle Volga Valley. Although the cool, wet weather in these areas slowed spring grain planting, it increased topsoil moisture for germination and early plant establishment. Little, if any, precipitation over Latvia, Lithuania, Belarus, and the western Ukraine allowed planting to progress rapidly. Unfavorably dry weather continued over Moldova and adjacent areas in southwestern Ukraine. Winter grains were jointing over most areas except for northern Russia (Central Region and Volga Vyatsk), where crops were tillering. Weekly average temperatures were 2-4 degrees Celsius (C) below normal, slowing winter crop growth and spring grain emergence.



EUROPE: Several days of dry weather across most of Europe favored spring grain, sugar beet, and sunflower planting. Light showers (generally 10 mm or less) swept across western and northern Europe late in the week, causing little fieldwork delay. Heavier showers (20-57 mm) fell from western Austria to Greece, but little rain fell in the dry areas of eastern Romania and eastern Bulgaria, hampering crop establishment. Dry weather in Spain, accompanied by high temperatures reaching into the low 30's C, continued to restrict moisture supplies for crop development. Winter grains have mostly adequate moisture for development across northern Europe. Winter grains typically advance through reproduction in May, although grain filling is progressing in Spain.

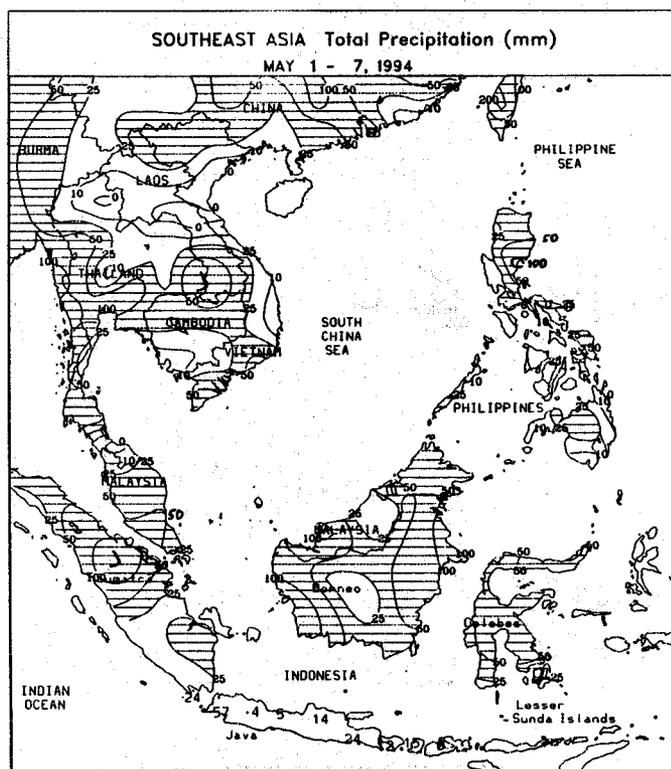


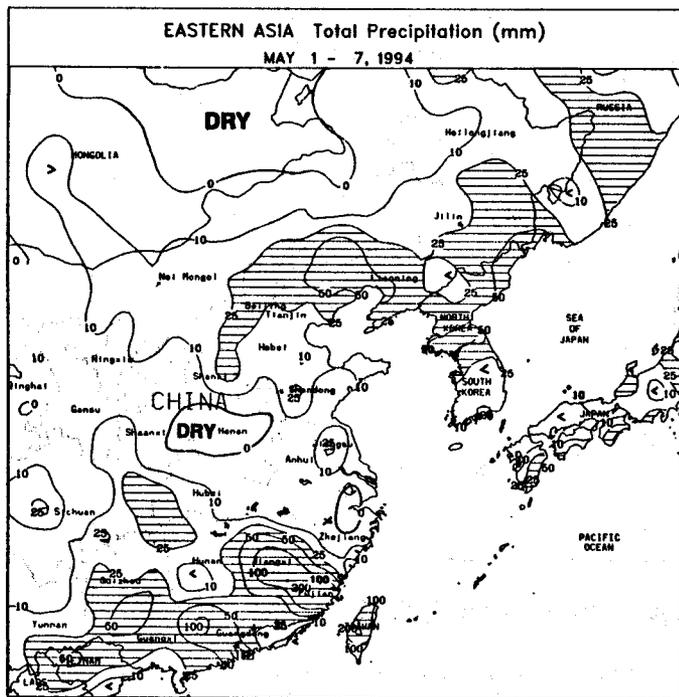
AUSTRALIA: Scattered rain (2-18 mm) fell across east-central Queensland, slowing summer crop harvesting, but increasing topsoil moisture for wheat planting. Further south in northern New South Wales, dry weather aided summer crop fieldwork. However, dry weather continued to prevail across the western, southern, and remaining eastern wheat areas, where rain is needed to promote planting. Temperatures averaged 1-3 degrees C above normal across the eastern and western wheat areas, while near-normal temperatures occurred across the southern wheat areas. The northeastern coast of Queensland received variable showers (10-70 mm), favoring sugarcane.



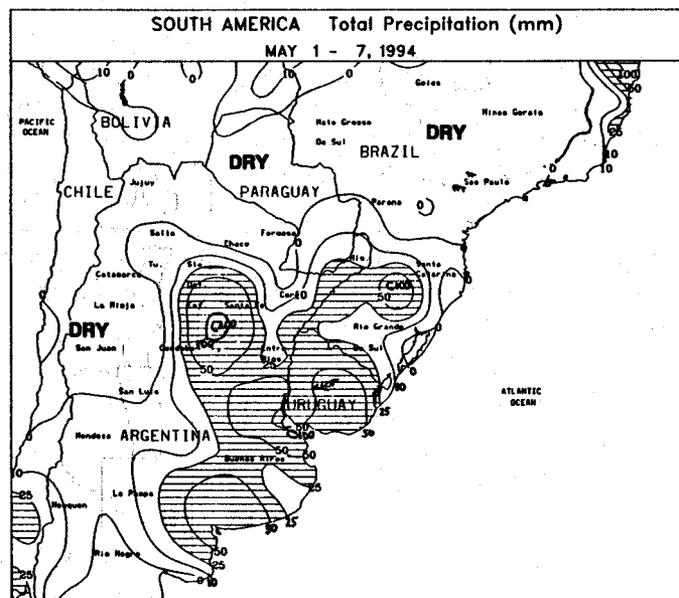
SOUTH ASIA: A powerful tropical cyclone with sustained winds of 135 knots made landfall near Cox's Bazar, Bangladesh on May 2. The overall impacts on agriculture in Bangladesh, India, and Burma are believed minimal, since the storm mainly tracked across minor agricultural producing areas. However, heavy rain (35-50 mm, with local amounts in excess of 100 mm) associated with the storm fell over rice areas in northeastern India (Assam and Arunachal Pradesh), interrupting planting. Despite these planting delays, the rain was beneficial in increasing moisture reserves.

SOUTHEAST ASIA: Moderate showers (10-30 mm) fell across the central corn areas of Thailand, boosting topsoil moisture for corn planting. However, temperatures remained high (1-2 degrees C above normal), and additional rain is still needed. Widespread showers (30-90 mm) covered most of southern Thailand and southward along the Malay Peninsula, with only isolated dry pockets. Somewhat drier weather (5-25 mm of rain, with an isolated amount greater than 50 mm) prevailed across Java, allowing rice harvesting to continue. In the Philippines, light to moderate showers (10-50 mm) continued to benefit main-season rice and corn.



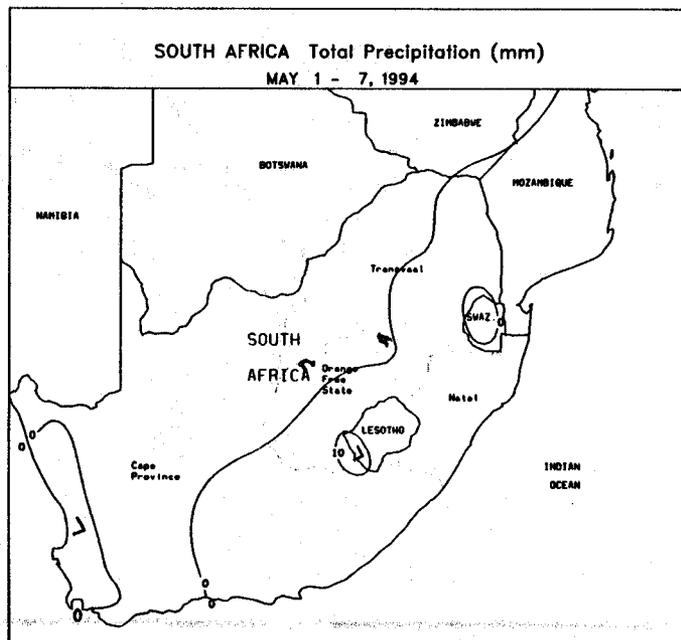


EASTERN ASIA: Widespread rain (10-40 mm) fell across most of Manchuria and the northern portions of the North China Plain (Shandong, Hebei, and Shanxi), increasing topsoil moisture for summer crop planting and irrigation supplies. Heavier rain (40-70 mm) was reported across northern Hebei and western Liaoning, while lighter amounts of less than 10 mm prevailed across western Heilongjiang. Light to moderate rains (5-30 mm) favored summer crops in eastern Sichuan, while the rest of central China was mostly dry. Widespread moderate to heavy rains (25-100 mm) covered southern China, increasing rice irrigation supplies. Very heavy rains (100-250 mm) were reported in southeastern China (Jiangxi and Fujian), causing flooding and possibly damaging rice paddies. Temperatures averaged near normal across Manchuria, 2-4 degrees C below normal across northern China, and 2-4 degrees C above normal across central China.

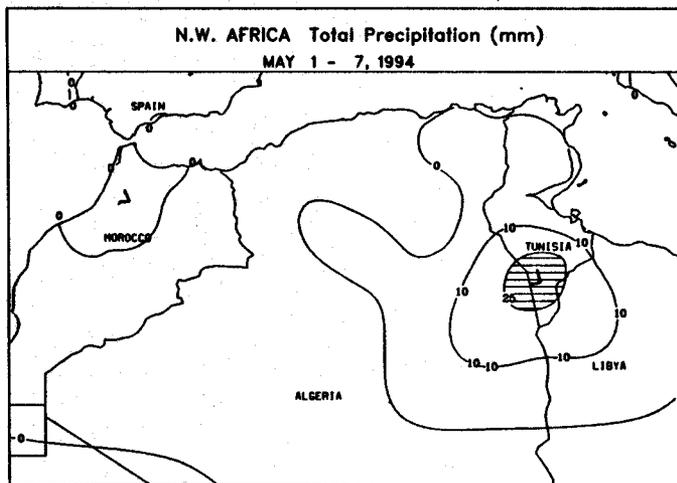


SOUTH AMERICA: Widespread showers (20-80 mm) slowed summer crop harvesting across most of central Argentina, while increasing topsoil moisture for wheat planting. Mostly dry weather aided cotton harvesting in northern Argentina and southern Paraguay. In southern Brazil, dry weather allowed summer crop harvesting to progress across most areas. However, showers (5-20 mm, with an isolated amount greater than 100 mm) slowed fieldwork in northern Rio Grande do Sul, but increased topsoil moisture for winter wheat planting. Temperatures averaged 2-4 degrees C above normal across the region, aiding summer crop dry down.

SOUTH AFRICA: Dry weather accompanied near-normal temperatures, favoring corn maturation and harvesting. Daytime highs ranged from 20 to 27 degrees C, with sub-freezing temperatures (-1 to -3 degrees C) occurring again this week at some locations. Winter wheat planting was likely underway in southern Cape Province.



NORTHWESTERN AFRICA: Hot, dry weather covered Morocco, benefiting winter grain harvesting. Early-week light showers (3-9 mm) over eastern Algeria and Tunisia arrived too late to help drought-stressed winter grains, nearing maturity. Dry weather during the remainder of the week in these areas favored grain maturation and early harvest. Weekly average temperatures were 2-4 degrees C above normal in Morocco and western Algeria, and near normal in eastern Algeria and Tunisia.

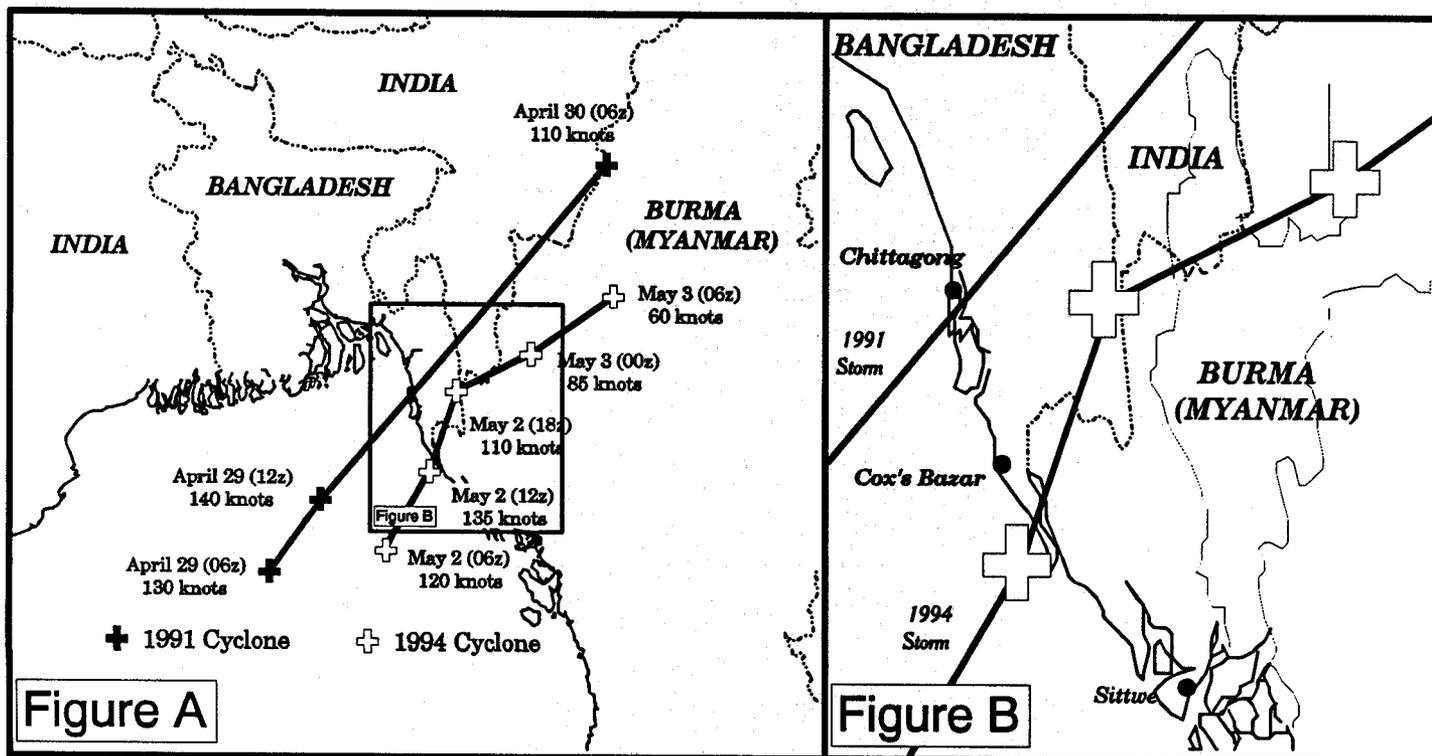


Tropical Cyclone 02B Strikes Bangladesh and Burma

Despite striking similarities to a devastating cyclone in 1991, last week's cyclone (02B) appears to have had relatively little impact on Bangladesh and neighboring areas of India and Burma (Myanmar). The recent cyclone (equivalent to an Atlantic hurricane and Pacific typhoon) formed in the southern Bay of Bengal on April 29. Shortly before landfall the evening of May 2 (local time), the cyclone had estimated sustained winds up to 135 knots (150 miles per hour) and gusts up to 165 knots (180 mph). The 1991 storm formed a few days earlier in April and had winds of the same intensity. The major differences between the 1991 and 1994 storms were placement of landfall (see figures A and B) and timing relative to local tides. The 1991 storm made landfall at high tide near Chittagong, a regional population center, causing a tidal surge resulting in about 130,000 fatalities and massive damage to infrastructure (see *WWCB*, Vol. 78, No. 18, May 7, 1991). The 1994 storm struck during low tide in a relatively sparsely inhabited area near the border of Bangladesh and Burma south of Cox's Bazar. As of publication, the fatalities number in the few hundreds.

The Bay of Bengal typically experiences a few cyclones each year during two distinct seasons immediately before and after the southwest monsoon. These two seasons favor cyclone development because of the low wind shear (change of wind velocity with elevation) during these times of transition to and from the monsoon. Pre-monsoon cyclones can threaten agriculture in Bangladesh, Burma, and India if they strike important crop areas during either harvest of winter crops (for example, winter wheat in Bangladesh) or spring planting (for example, rice in all three countries). The 1994 cyclone passed through sparsely settled regions of these three countries where little agriculture is practiced. Winter grain harvests appear to have been unaffected. Spring planting of rice in Burma and the extreme eastern states of India may have been temporarily delayed by locally heavy rains, but the moisture is likely to be generally beneficial.

--Mark Brusburg and David Secora

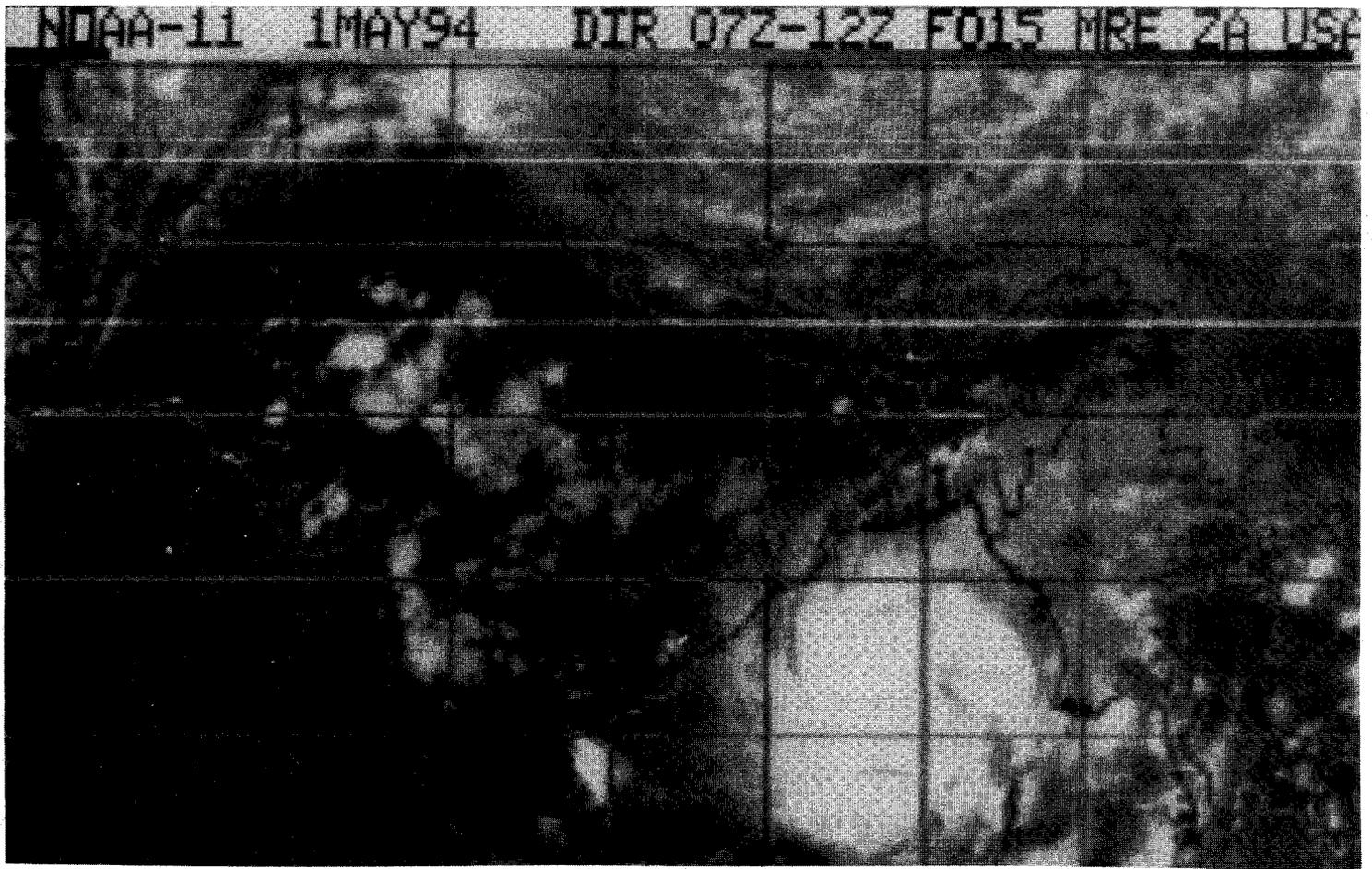


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