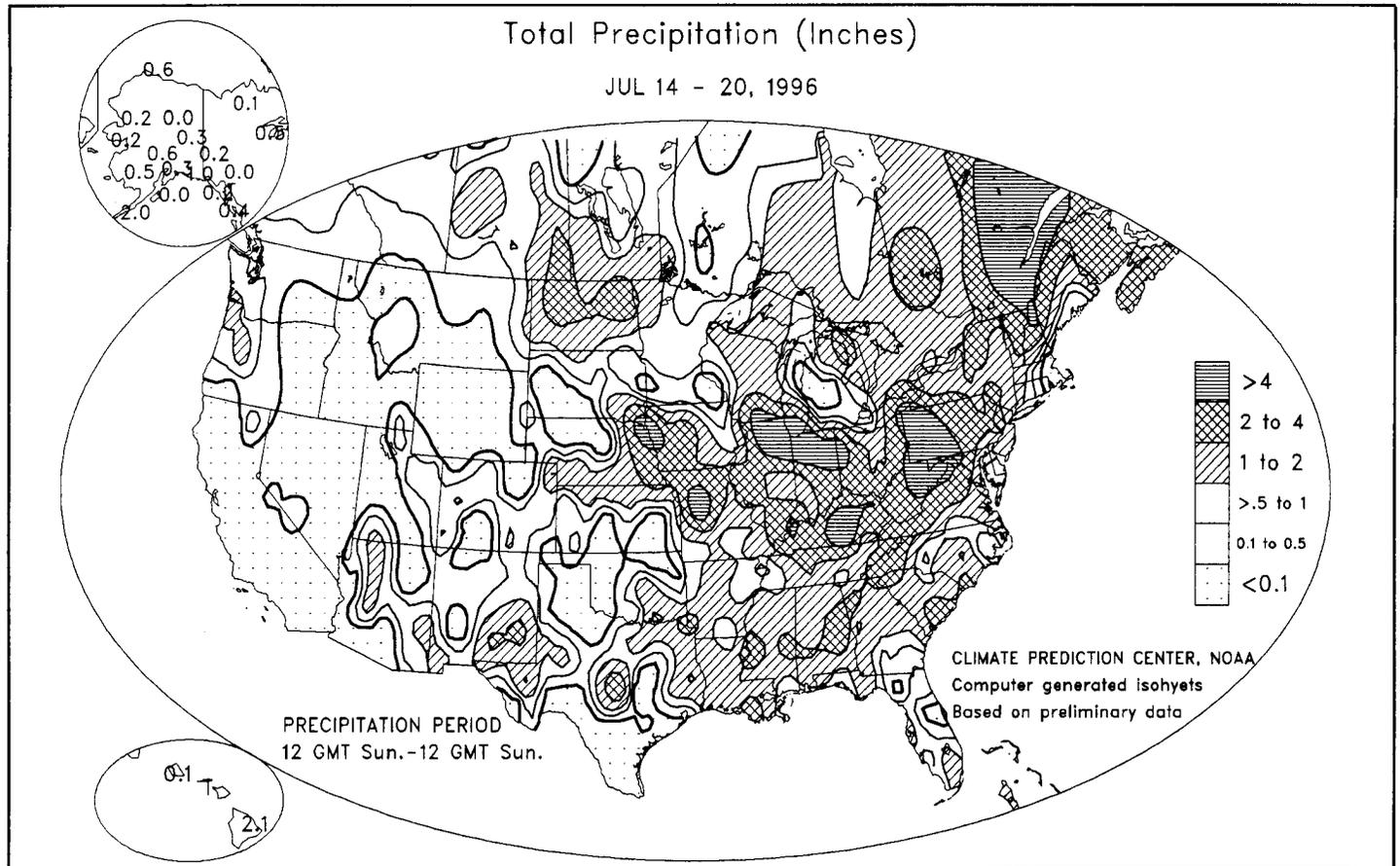


WEEKLY WEATHER AND CROP BULLETIN

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



HIGHLIGHTS

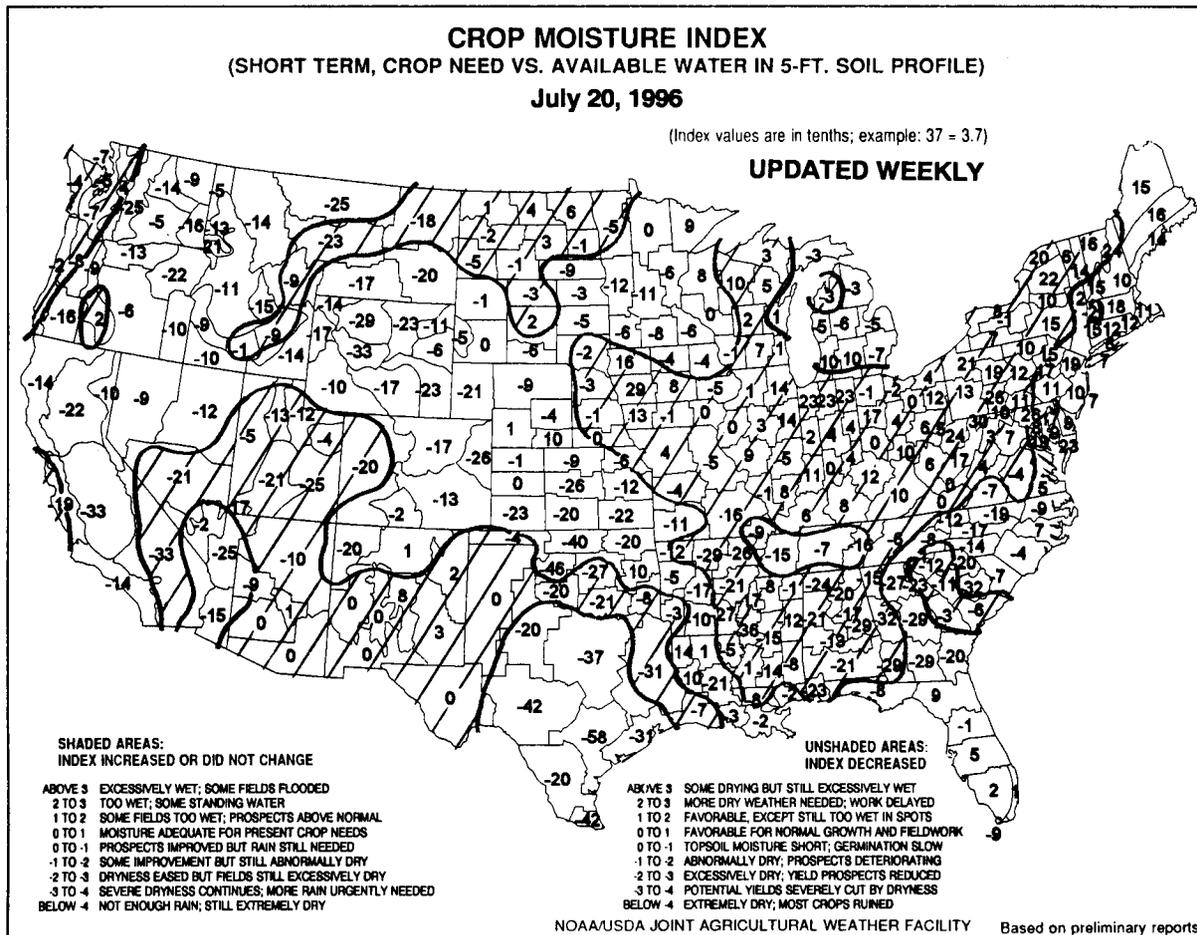
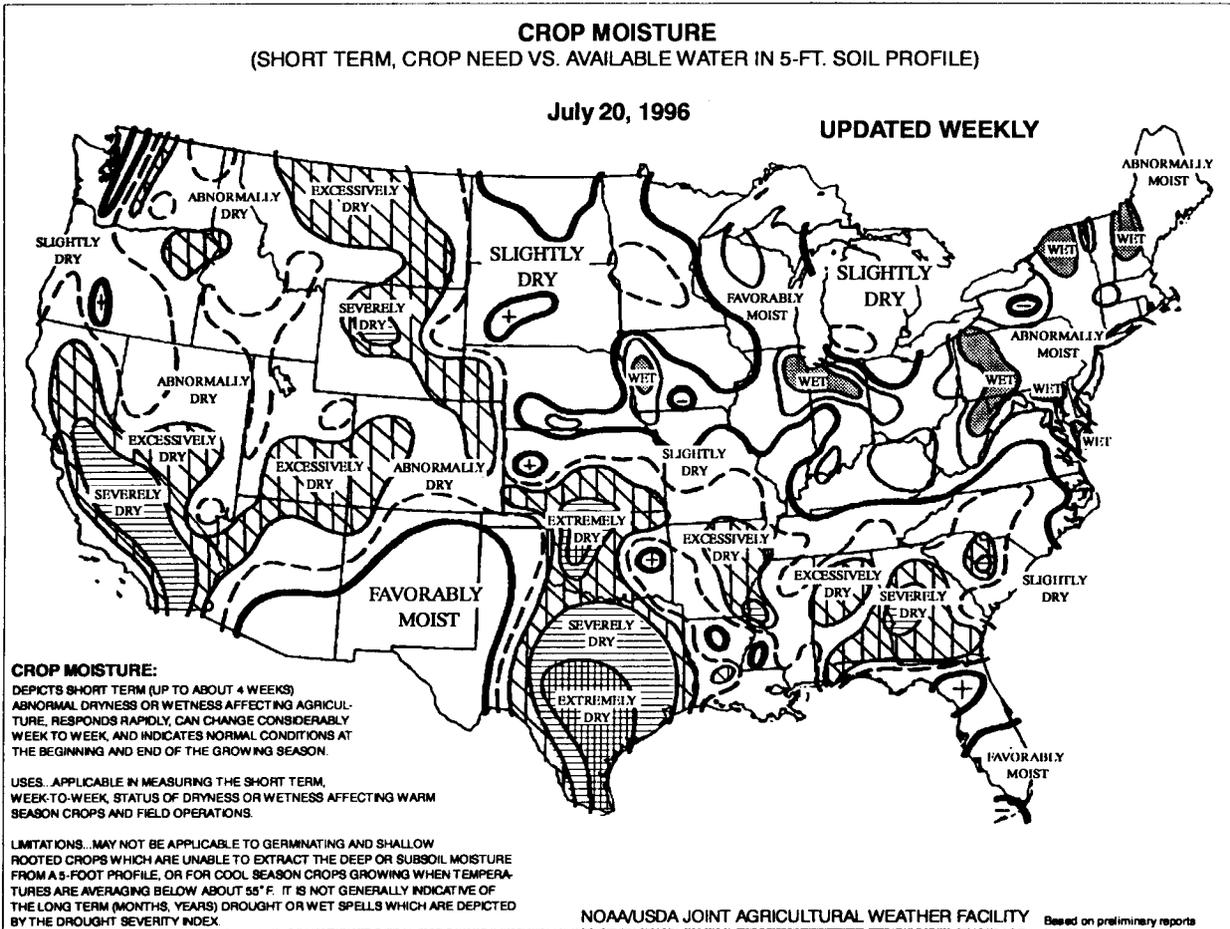
July 14 - 20, 1996

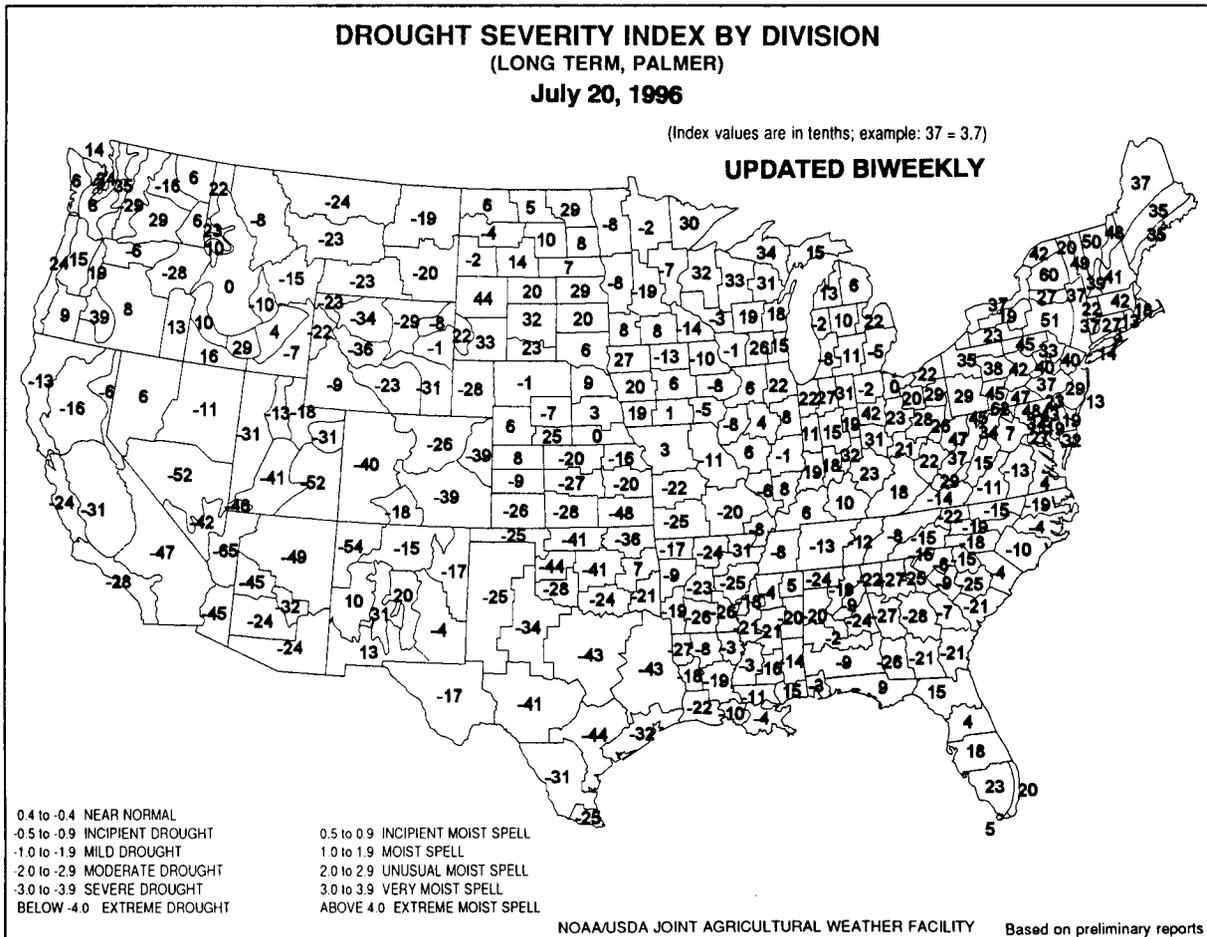
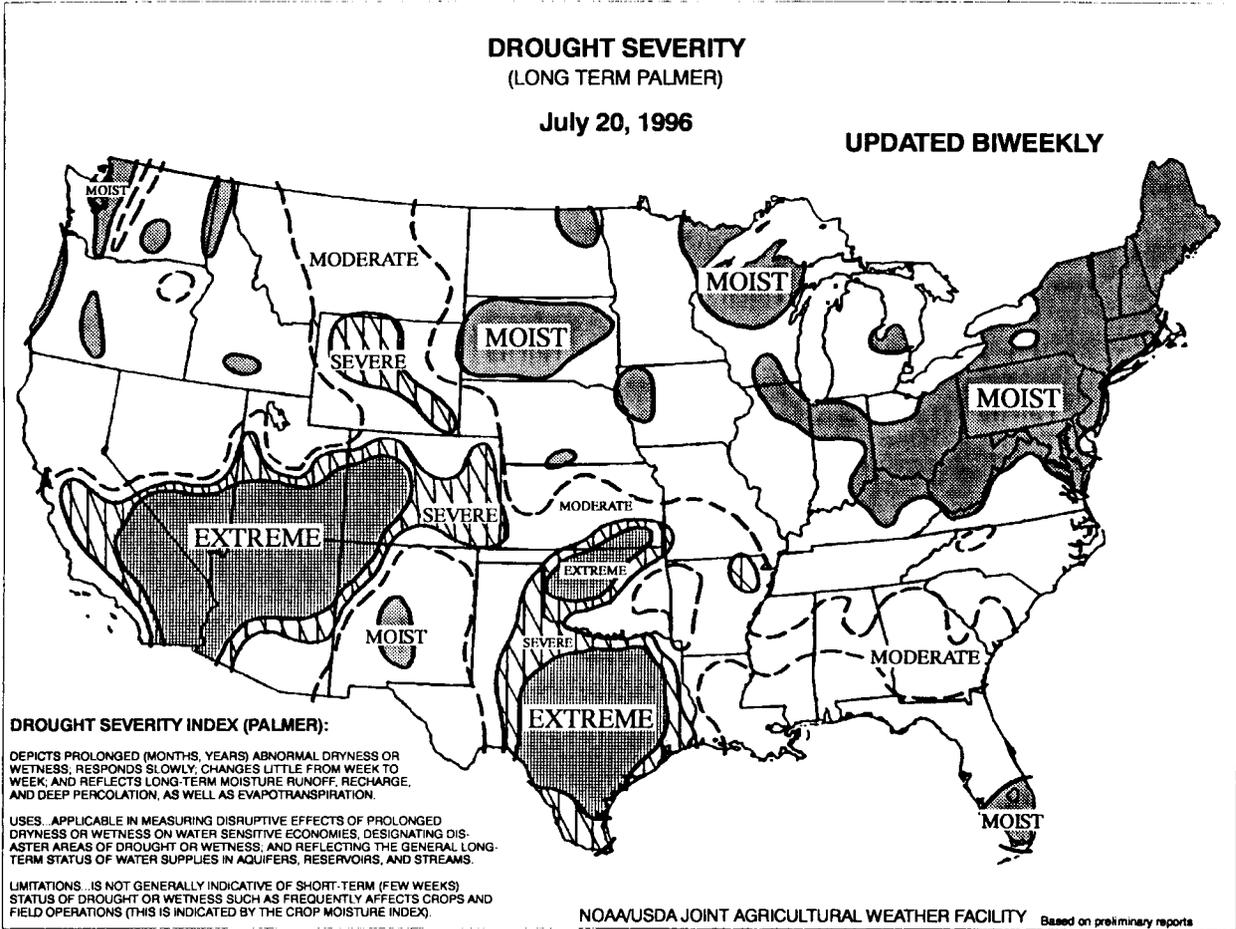
Short-term dryness yielded abruptly to heavy rainfall and flooding in the **Midwest**, as 24-hour precipitation rates approached 12 inches in **western Iowa** and neared 17 inches in **northern Illinois**. In **Corn Belt** areas not affected by flooding, however, rainfall provided crucial moisture for reproductive crops. Rapid change also took place in the **Northwest**, where early-week heat was replaced by unusually cool weather. In the **Southeast**, meanwhile, early-week thunderstorms gave way to very warm and humid conditions. The 10-month drought continued across the **Southwest** despite scattered monsoonal thundershowers, and intensified on the **southern Plains** under a generally hot, dry regime.

(Continued on page 4)

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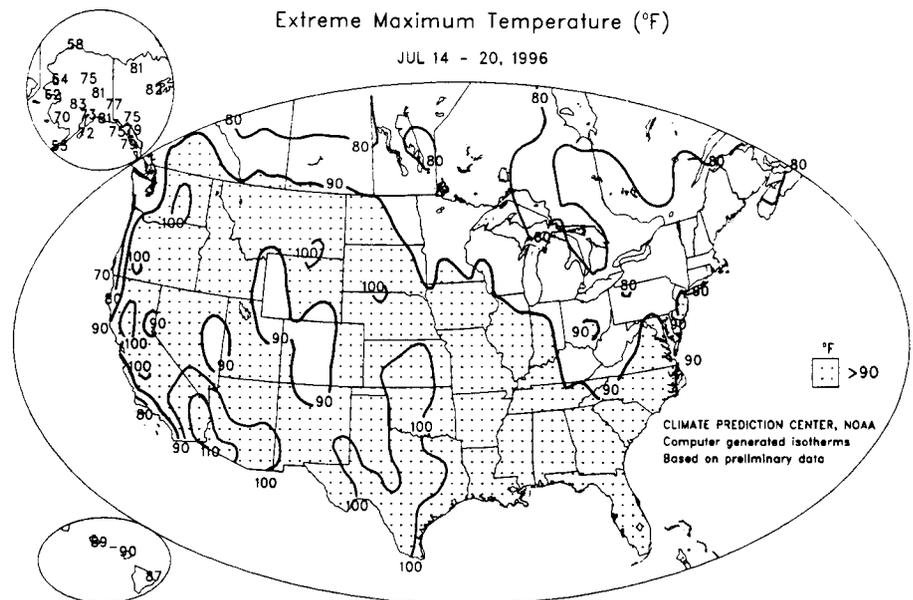
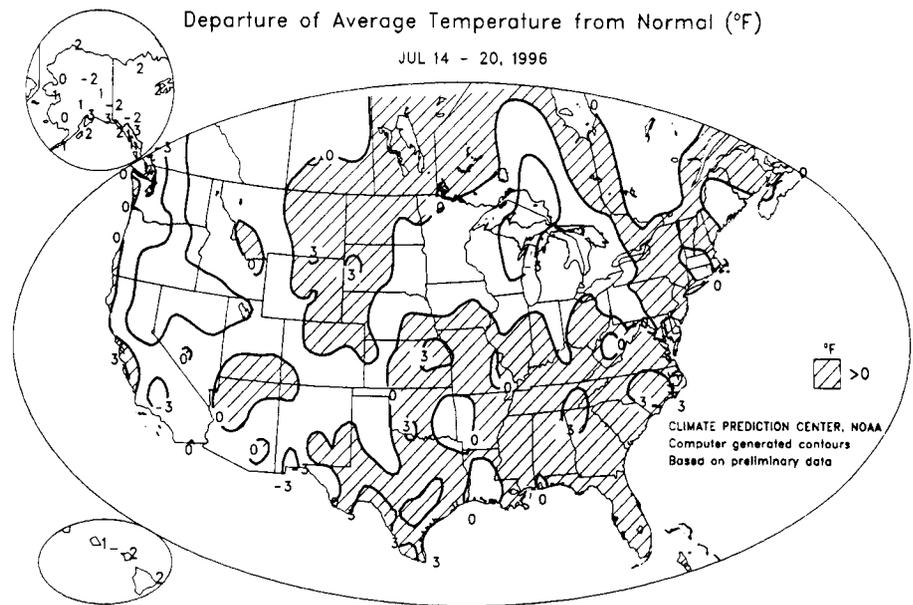
On Sunday, heat encompassed the **West and South**, resulting in daily records in **Seattle, WA** (91°F) and **Del Rio, TX** (103°F). Meanwhile, thunderstorms flared along a cold front arced across the **Eastern and Southern States**. Early-week rainfall topped 4 inches in **Meridian, MS**, and exceeded 2 inches in locations such as **Huntington, WV**, **Evansville, IN**, and **Fayetteville, AR**.

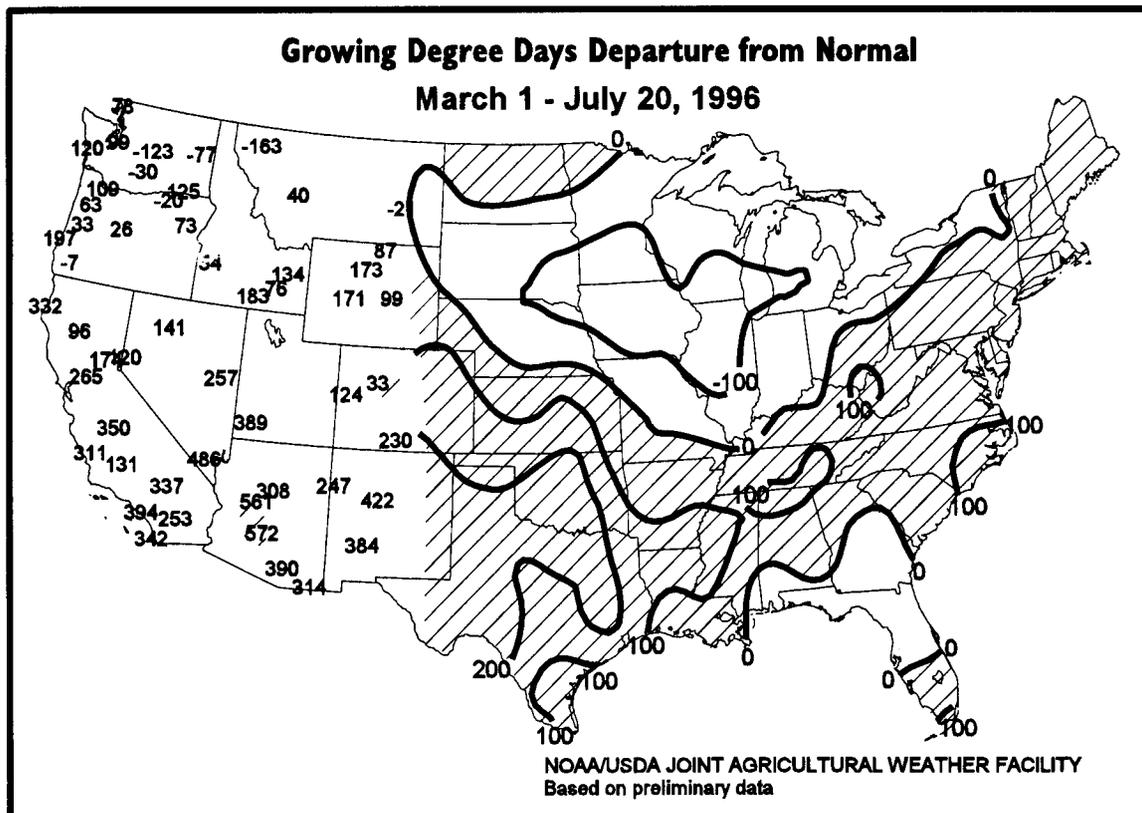
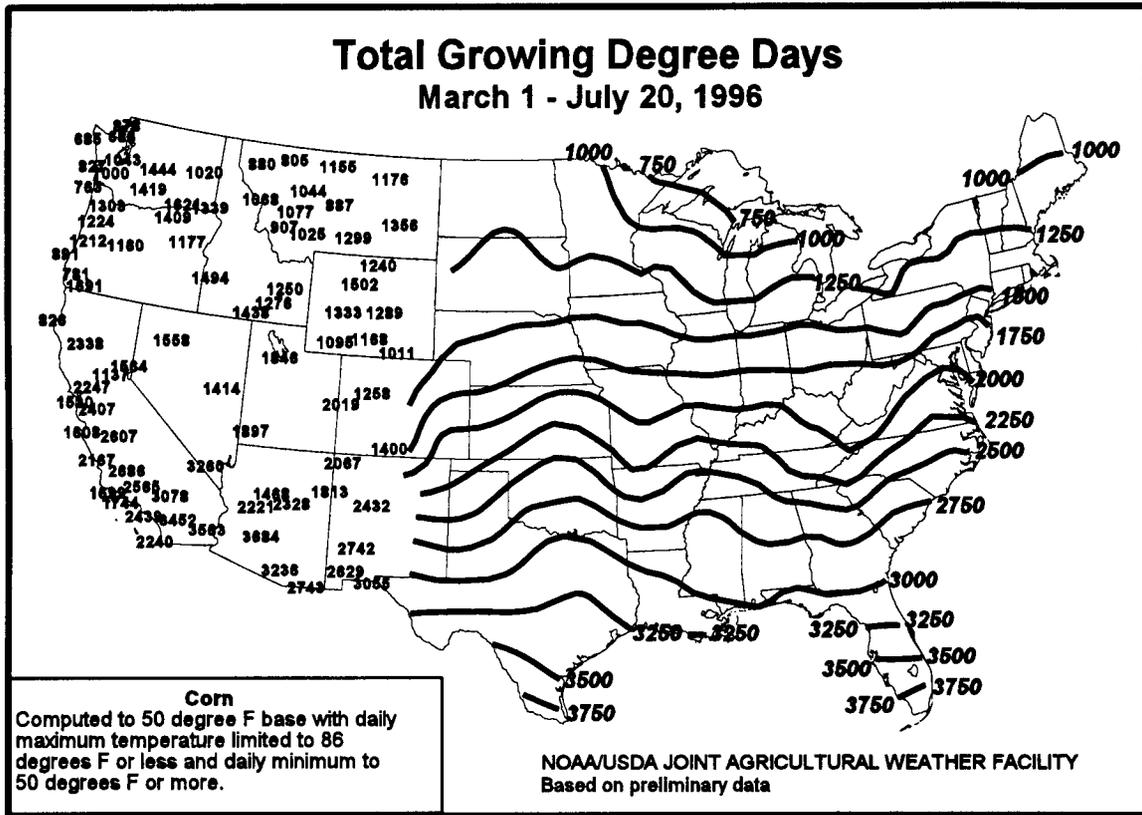
On Tuesday night, torrential rain developed near the intersection of **Iowa, South Dakota, and Nebraska**, causing flooding. In western Iowa, 24-hour totals reached 11.90 inches in **Castana**, 11.50 inches in **Hornick**, and 6.32 inches in **Sioux City**. Record crests were reported on Wednesday in **Iowa** along the **Soldier River** at **Pisgah** (0.8 feet above flood stage) and on the **Boyer River** at **Logan** (4.1 feet above flood stage).

Record-setting rainfall re-developed on July 17-18, striking farther east and producing all-time crest records on more than a dozen tributaries of the Illinois and Rock Rivers. A State-record 16.91 inches bombarded **Aurora, IL**. The **DuPage River** at **Shorewood, IL** crested at 7.54 feet above flood stage, and 4.48 feet above the previous record flood, set in October 1954. Widespread but less severe flooding affected areas from **southern Wisconsin** to the **northern Middle Atlantic region**.

Farther west, a sharply amplified jet stream propelled warmth into **southern Alaska**, but drove cool, unsettled weather into the **Northwest**. On Wednesday, **Juneau, AK** notched a daily-record high of 80°F, while highs struggled to 59°F in **Seattle, WA** and **Salem, OR**. **Salem** also collected a daily-record rainfall (0.69 inches). A daily-record chill persisted through week's end in **Spokane, WA** (45°F on Friday; 46°F on Saturday), and spread as far east as **Kalispell, MT** (38°F on July 20). But by Saturday afternoon, heat reached the **West Coast**, delivering daily-record highs to such **California** locations as **Salinas** (95°F) and **San Jose** (101°F).

On July 20, **San Antonio, TX** registered a daily-record high of 101°F, capping a week during which the maxima averaged 100°F. **San Antonio** has yet to receive measurable rainfall in July and has posted a year-to-date precipitation total of 5.26 inches, only 31 percent (%) of normal. Elsewhere around the drought region, year-to-date rainfall (through July 20) includes 47% of normal in **Clayton, NM**, 37% in **Wichita Falls, TX**, 31% in **Flagstaff, AZ**, and 24% in **Del Rio, TX**. Farther north, dry, autumn-like air overspread the **Midwest and Northeast** at week's end. On Saturday, wind gusts were clocked to 43 mph in **Worcester, MA**, 44 mph in **Albany, NY**, and 154 mph atop 6,288-foot **Mt. Washington, NH**. Meanwhile, the axis of heavy rain shifted southward across **Missouri** and **central Illinois**. On July 20-21, 24-hour rainfall reached 7.88 inches in **west-central Missouri** at **Knob Noster (Whiteman A.F.B.)**.





National Weather Data for Selected Cities

Weather Data for the Week Ending July 20, 1996

| 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 Jun 1 | PCT. NORMAL SINCE Jun 1 | TOTAL IN., SINCE Jun 1 | PCT. NORMAL SINCE Jun 1 | AVERAGE MAXIMUM | AVERAGE MINIMUM | 90 AND ABOVE | 32 AND BELOW | TEMP. °F | | PRECIP. | |
| | | | | | | | | | | | | | | | | | | 01 INCH OR MORE | 05 INCH OR MORE | 01 INCH OR MORE | 05 INCH OR MORE |
| AL BIRMINGHAM | 91 | 73 | 93 | 71 | 82 | 2 | 1.98 | 0.74 | -- | 6.98 | 97 | 38.10 | 115 | 91 | 60 | 5 | 0 | -- | -- | -- | -- |
| AL MOBILE | 89 | 73 | 91 | 71 | 81 | -1 | 1.29 | -0.30 | 0.58 | 8.85 | 94 | 40.64 | 112 | 97 | 57 | 3 | 0 | 4 | 1 | 1 | 1 |
| AL MONTGOMERY | 91 | 72 | 92 | 70 | 81 | 1 | 0.98 | -0.29 | 0.88 | 4.73 | 54 | 36.83 | 108 | 97 | 80 | 4 | 0 | 3 | 1 | 1 | 1 |
| AK ANCHORAGE | 70 | 52 | 73 | 44 | 61 | 3 | 0.29 | -0.10 | 0.27 | 2.14 | 98 | 5.36 | 91 | 86 | 50 | 0 | 0 | 2 | 0 | 0 | 0 |
| AK BARROW | 49 | 34 | 58 | 29 | 42 | 2 | 0.63 | 0.41 | 0.28 | 1.30 | 151 | 1.98 | 125 | 98 | 84 | 0 | 3 | 4 | 0 | 0 | 0 |
| AK FAIRBANKS | 73 | 53 | 81 | 46 | 63 | 1 | 0.32 | -0.11 | 0.18 | 2.20 | 86 | 4.86 | 98 | 88 | 45 | 0 | 0 | 3 | 0 | 0 | 0 |
| AK JUNEAU | 69 | 49 | 79 | 45 | 59 | 3 | -- | -- | -- | -- | -- | -- | -- | 96 | 51 | 0 | 0 | -- | -- | -- | -- |
| AK KODIAK | 84 | 50 | 72 | 40 | 57 | 2 | 0.00 | -0.81 | 0.00 | 7.24 | 102 | 25.02 | 73 | 88 | 51 | 0 | 0 | 0 | 0 | 0 | 0 |
| AZ NOME | 58 | 47 | 82 | 41 | 53 | 1 | 0.20 | -0.31 | 0.20 | 1.21 | 49 | 6.93 | 121 | 93 | 70 | 0 | 0 | 1 | 0 | 0 | 0 |
| AZ PHOENIX | 103 | 82 | 110 | 75 | 93 | -1 | 0.04 | -0.16 | 0.04 | 0.85 | 133 | 2.86 | 82 | 49 | 27 | 7 | 0 | 1 | 0 | 0 | 0 |
| AZ PRESCOTT | 89 | 64 | 96 | 61 | 76 | 3 | 0.38 | -0.42 | 0.34 | 1.57 | 84 | 3.77 | 43 | 78 | 36 | 3 | 0 | 2 | 0 | 0 | 0 |
| AZ TUCSON | 98 | 75 | 106 | 70 | 86 | 0 | 0.25 | -0.33 | 0.18 | 1.33 | 78 | 2.46 | 56 | 66 | 27 | 6 | 0 | 2 | 0 | 0 | 0 |
| AZ YUMA | 106 | 82 | 110 | 81 | 93 | -1 | 0.00 | -0.06 | 0.00 | 0.00 | 0 | 0.61 | 54 | 50 | 22 | 7 | 0 | 0 | 0 | 0 | 0 |
| AR FORT SMITH | 91 | 71 | 96 | 64 | 81 | -1 | 1.14 | 0.48 | 1.10 | 8.87 | 188 | 27.23 | 118 | 96 | 48 | 5 | 0 | 2 | 1 | 1 | 1 |
| AR LITTLE ROCK | -- | -- | -- | -- | -- | -- | 1.48 | 0.78 | -- | 5.13 | -- | 23.17 | 84 | -- | -- | -- | -- | -- | -- | -- | -- |
| CA BAKERSFIELD | 96 | 66 | 103 | 61 | 80 | -4 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 4.20 | 110 | 89 | 27 | 7 | 0 | 0 | 0 | 0 | 0 |
| CA EUREKA | 84 | 52 | 98 | 48 | 58 | 1 | 0.01 | -0.02 | 0.01 | 0.08 | 11 | 29.45 | 140 | 93 | 63 | 0 | 0 | 1 | 0 | 0 | 0 |
| CA FRESNO | 97 | 66 | 104 | 62 | 81 | -1 | 0.00 | 0.00 | 0.00 | 0.08 | 114 | 8.14 | 117 | 71 | 27 | 7 | 0 | 0 | 0 | 0 | 0 |
| CA LOS ANGELES | 76 | 63 | 77 | 61 | 69 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 8.72 | 113 | 86 | 56 | 0 | 0 | 0 | 0 | 0 | 0 |
| CA REDDING | 96 | 67 | 106 | 67 | 81 | -1 | 0.33 | 0.30 | 0.33 | 0.43 | 67 | 27.79 | 147 | 84 | 19 | 5 | 0 | 1 | 0 | 0 | 0 |
| CA SACRAMENTO | 89 | 57 | 100 | 54 | 73 | -3 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 15.85 | 147 | 90 | 32 | 3 | 0 | 0 | 0 | 0 | 0 |
| CA SAN DIEGO | 74 | 65 | 85 | 64 | 70 | -1 | 0.00 | 0.00 | 0.00 | 0.09 | 113 | 3.96 | 84 | 93 | 68 | 0 | 0 | 0 | 0 | 0 | 0 |
| CA SAN FRANCISCO | 76 | 55 | 93 | 53 | 65 | 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 18.46 | 161 | 88 | 43 | 1 | 0 | 0 | 0 | 0 | 0 |
| CO DENVER | 90 | 60 | 93 | 53 | 75 | 1 | 0.18 | -0.28 | 0.18 | 2.48 | 82 | 5.86 | 81 | 77 | 24 | 4 | 0 | 1 | 0 | 0 | 0 |
| CO GRAND JUNCTION | 93 | 64 | 97 | 57 | 78 | -2 | 0.61 | 0.44 | 0.34 | 1.20 | 103 | 5.33 | 99 | 70 | 21 | 6 | 0 | 3 | 0 | 0 | 0 |
| CO PUEBLO | 91 | 60 | 98 | 56 | 78 | -2 | 0.38 | -0.11 | 0.29 | 4.25 | 165 | 7.98 | 130 | 87 | 28 | 6 | 0 | 2 | 0 | 0 | 0 |
| CT BRIDGEPORT | 82 | 68 | 88 | 64 | 75 | 1 | 0.31 | -0.54 | 0.13 | 7.19 | 122 | 30.10 | 127 | 89 | 48 | 0 | 0 | 3 | 0 | 0 | 0 |
| CT HARTFORD | 83 | 68 | 88 | 62 | 75 | 1 | 0.37 | -0.36 | 0.22 | 8.15 | 141 | 30.41 | 126 | 88 | 53 | 0 | 0 | 2 | 0 | 0 | 0 |
| DC WASHINGTON | 87 | 73 | 92 | 69 | 80 | 0 | 1.51 | 0.64 | 1.16 | 7.22 | 124 | 25.87 | 124 | 89 | 59 | 3 | 0 | 3 | 1 | 1 | 1 |
| FL PANAMA CITY | 90 | 75 | 91 | 73 | 83 | 2 | -- | -- | -- | -- | -- | -- | -- | 91 | 59 | 4 | 0 | -- | -- | -- | -- |
| FL DAYTONA BEACH | 89 | 73 | 93 | 70 | 81 | 0 | 0.11 | -1.09 | 0.11 | 12.93 | 136 | 36.47 | 151 | 99 | 62 | 3 | 0 | 1 | 0 | 0 | 0 |
| FL JACKSONVILLE | 92 | 75 | 96 | 73 | 83 | 2 | 1.20 | -0.12 | 1.19 | 14.52 | 156 | 27.10 | 104 | 94 | 52 | 5 | 0 | 2 | 1 | 1 | 1 |
| FL KEY WEST | 88 | 80 | 89 | 75 | 84 | 0 | 0.54 | -0.23 | 0.43 | 4.85 | 83 | 13.02 | 71 | 82 | 86 | 0 | 0 | 3 | 0 | 0 | 0 |
| FL MIAMI | 90 | 79 | 91 | 75 | 84 | 2 | 1.22 | 0.02 | 1.08 | 16.71 | 129 | 33.00 | 115 | 82 | 61 | 4 | 0 | 4 | 1 | 1 | 1 |
| FL ORLANDO | 92 | 74 | 94 | 71 | 83 | 1 | 0.07 | -1.56 | 0.04 | 10.29 | 86 | 32.69 | 125 | 94 | 54 | 7 | 0 | 2 | 0 | 0 | 0 |
| FL TALLAHASSEE | 92 | 72 | 96 | 68 | 82 | 1 | 0.39 | -1.85 | 0.24 | 6.20 | 49 | 26.44 | 70 | 97 | 56 | 6 | 0 | 2 | 0 | 0 | 0 |
| FL TAMPA | 92 | 78 | 93 | 73 | 84 | 2 | 0.91 | -0.59 | 0.54 | 11.05 | 115 | 27.54 | 125 | 92 | 57 | 7 | 0 | 3 | 1 | 1 | 1 |
| FL WEST PALM BEACH | 89 | 78 | 91 | 74 | 84 | 1 | 0.75 | -0.57 | 0.71 | 9.33 | 78 | 22.44 | 74 | 86 | 55 | 2 | 0 | 4 | 1 | 1 | 1 |
| GA ATLANTA | 93 | 74 | 99 | 71 | 84 | 5 | 0.85 | -0.31 | 0.51 | 2.73 | 40 | 26.53 | 86 | 84 | 47 | 6 | 0 | 2 | 1 | 1 | 1 |
| GA AUGUSTA | 91 | 72 | 94 | 69 | 82 | 0 | 2.89 | 1.93 | 1.58 | 5.75 | 84 | 19.45 | 72 | 96 | 52 | 5 | 0 | 3 | 2 | 2 | 2 |
| GA MACON | 92 | 71 | 96 | 70 | 81 | 0 | 0.54 | -0.45 | 0.27 | 4.03 | 63 | 22.34 | 81 | 97 | 53 | 5 | 0 | 4 | 0 | 0 | 0 |
| GA SAVANNAH | 92 | 74 | 96 | 72 | 83 | 1 | 0.33 | -1.12 | 0.16 | 3.98 | 41 | 15.39 | 56 | 97 | 58 | 6 | 0 | 3 | 0 | 0 | 0 |
| HI HILO | 86 | 70 | 87 | 69 | 78 | 2 | 2.06 | -0.22 | 0.66 | 15.88 | 129 | 68.25 | 96 | 88 | 65 | 0 | 0 | 6 | 1 | 1 | 1 |
| HI HONOLULU | 88 | 74 | 89 | 73 | 82 | 1 | 0.07 | -0.07 | 0.07 | 0.80 | 98 | 8.27 | 72 | 79 | 49 | 0 | 0 | 1 | 0 | 0 | 0 |
| HI KAHULUI | 88 | 72 | 90 | 67 | 80 | 2 | 0.02 | -0.06 | 0.02 | 0.22 | 45 | 13.02 | 101 | 81 | 54 | 1 | 0 | 1 | 0 | 0 | 0 |
| HI LIHUE | -- | 74 | -- | 73 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 79 | 64 | -- | -- | -- | -- | -- | -- |
| ID BOISE | 88 | 59 | 96 | 48 | 73 | -1 | 0.03 | -0.04 | 0.03 | 0.16 | 15 | 7.44 | 103 | 58 | 19 | 3 | 0 | 1 | 0 | 0 | 0 |
| ID LEWISTON | 87 | 58 | 100 | 51 | 72 | -2 | 0.06 | -0.08 | 0.06 | 0.70 | 42 | 11.15 | 150 | 66 | 24 | 4 | 0 | 1 | 0 | 0 | 0 |
| ID POCAHELLO | 85 | 62 | 92 | 47 | 69 | -2 | 0.13 | -0.01 | 0.12 | 0.13 | 9 | 7.19 | 99 | 76 | 21 | 1 | 0 | 2 | 0 | 0 | 0 |
| IL CHICAGO | 81 | 64 | 89 | 59 | 73 | -1 | 3.17 | 2.34 | 1.93 | 8.29 | 137 | 21.30 | 114 | 94 | 53 | 0 | 0 | 4 | 2 | 2 | 2 |
| IL MOLINE | 86 | 65 | 94 | 59 | 75 | 0 | 0.73 | -0.40 | 0.57 | 3.93 | 52 | 18.75 | 87 | 99 | 54 | 1 | 0 | 4 | 1 | 1 | 1 |
| IL PEORIA | 85 | 68 | 96 | 59 | 78 | 0 | 0.93 | -0.02 | 0.53 | 2.82 | 42 | 17.22 | 85 | 90 | 53 | 3 | 0 | 4 | 1 | 1 | 1 |
| IL QUINCY | 85 | 68 | 97 | 61 | 77 | -1 | -- | -- | -- | -- | -- | -- | -- | 90 | 57 | 3 | 0 | -- | -- | -- | -- |
| IL ROCKFORD | 81 | 61 | 89 | 56 | 71 | -3 | 6.58 | 5.67 | 3.94 | 11.80 | 164 | 29.00 | 148 | 97 | 59 | 0 | 0 | 2 | 2 | 2 | 2 |
| IL SPRINGFIELD | 85 | 67 | 93 | 58 | 76 | -1 | 1.13 | 0.33 | 1.09 | 3.15 | 56 | 20.53 | 105 | 90 | 55 | 2 | 0 | 2 | 1 | 1 | 1 |
| IN EVANSVILLE | 87 | 69 | 91 | 62 | 78 | -1 | 3.48 | 2.43 | 2.65 | 7.81 | 114 | 37.29 | 138 | 93 | 53 | 3 | 0 | 3 | 2 | 2 | 2 |
| IN FORT WAYNE | 83 | 64 | 88 | 57 | 73 | -1 | 4.80 | 4.03 | 2.79 | 11.30 | 195 | 27.35 | 141 | 94 | 49 | 0 | 0 | 6 | 3 | 3 | 3 |
| IN INDIANAPOLIS | 86 | 68 | 91 | 63 | 77 | 1 | 0.71 | -0.32 | 0.50 | 6.82 | 107 | 30.07 | 132 | 94 | 52 | 2 | 0 | 4 | 1 | 1 | 1 |
| IN SOUTH BEND | 82 | 63 | 87 | 67 | 73 | -1 | 4.32 | 3.47 | 2.80 | 11.51 | 174 | 28.17 | 134 | 90 | 42 | 0 | 0 | 4 | 3 | 3 | 3 |
| IA DES MOINES | 85 | 68 | 93 | 61 | 76 | 1 | 2.85 | 1.98 | 2.82 | 6.06 | 85 | 20.83 | 109 | 86 | 52 | 2 | 0 | 2 | 1 | 1 | 1 |
| IA SIOUX CITY | 84 | 65 | 90 | 58 | 74 | -2 | 6.36 | 5.63 | 4.33 | 11.80 | 199 | 20.89 | 138 | 92 | 56 | 2 | 0 | 3 | 2 | 2 | 2 |
| IA WATERLOO | 83 | 64 | 91 | 57 | 73 | 0 | 0.72 | -0.38 | 0.65 | 5.85 | 78 | 15.94 | 82 | 81 | 1 | 0 | 2 | 1 | 1 | 1 | 1 |
| KS CONCORDIA | 92 | 71 | 100 | 63 | 82 | 2 | 0.43 | -0.38 | 0.43 | 1.84 | 27 | 12.73 | 74 | 80 | 42 | 5 | 0 | 1 | 0 | 0 | 0 |
| KS DODGE CITY | 95 | 68 | 101 | 61 | 82 | 1 | 0.12 | -0.62 | 0.12 | 4.04 | 77 | 10.22 | 78 | 83 | 35 | 6 | 0 | 1 | 0 | 0 | 0 |
| KS GOODLAND | 91 | 63 | 98 | 57 | 77 | 1 | 0.23 | -0.42 | 0.12 | 3.78 | 74 | 10.21 | 86 | 83 | 37 | 5 | 0 | 3 | 0 | 0 | 0 |
| KS TOPEKA | 94 | 72 | 100 | 59 | 83 | 4 | 0.04 | -0.73 | 0.04 | 8.31 | 106 | 19.86 | 99 | 83 | 43 | 6 | 0 | 1 | 0 | 0 | 0 |
| KS WICHITA | 93 | 72 | 99 | 63 | 83 | 2 | 0.31 | -0.45 | 0.31 | 3.12 | 38 | 10.97 | 55 | 81 | 40 | 5 | 0 | 1 | 0 | 0 | 0 |
| KY BOWLING GREEN | 89 | 69 | 95 | 62 | 79 | 1 | 1.84 | 0.75 | 1.70 | 7.52 | 103 | 33.26 | 112 | 97 | 49 | 3 | 0 | 3 | 1 | 1 | 1 |
| KY LEXINGTON | 84 | 67 | 88 | 63 | 76 | 0 | 2.23 | 1.07 | 1.03 | 8.14 | 118 | 33.47 | 129 | 96 | 62 | 0 | 0 | 4 | 2 | 2 | 2 |
| KY LOUISVILLE | 86 | 71 | 90 | 67 | 78 | 1 | 1.59 | 0.54 | 1.21 | 5.44 | 85 | 30.42 | 116 | 88 | 54 | 1 | 0 | 4 | 1 | 1 | 1 |
| LA BATON ROUGE | 91 | 73 | 93 | 72 | 82 | 0 | 0.82 | -0.75 | 0.44 | 7.30 | 83 | 31.23 | 91 | 99 | 56 | 6 | 0 | 5 | 0 | 0 | 0 |
| LA LAKE CHARLES | 90 | 75 | 92 | 74 | 83 | 0 | 0.51 | -0.88 | 0.23 | | | | | | | | | | | | |

Weather Data for the Week Ending July 20, 1996

| 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 JUN 1 | PCT. NORMAL SINCE JUN 1 | TOTAL IN. SINCE JUN 1 | PCT. NORMAL SINCE JUN 1 | AVERAGE MAXIMUM | AVERAGE MINIMUM | TEMP. °F | | PRECIP. | |
| | | | | | | | | | | | | | | | | 90 AND ABOVE | 92 AND BELOW | .01 INCH OR MORE | .05 INCH OR MORE |
| ME CARIBOU | 75 | 59 | 81 | 53 | 67 | 1 | 1.91 | 0.88 | 0.89 | 9.88 | 181 | 25.44 | 143 | 93 | 58 | 0 | 0 | 5 | 1 |
| ME PORTLAND | 78 | 61 | 86 | 57 | 69 | 0 | 0.24 | -0.45 | 0.12 | 8.68 | 122 | 27.89 | 117 | 92 | 49 | 0 | 0 | 3 | 0 |
| MD BALTIMORE | 86 | 69 | 90 | 60 | 77 | 0 | 0.72 | -0.11 | 0.30 | 5.42 | 90 | 27.69 | 123 | 91 | 56 | 2 | 0 | 4 | 0 |
| MD SALISBURY | 87 | 71 | 92 | 64 | 79 | 2 | 0.30 | -0.69 | 0.15 | 5.26 | 83 | 28.19 | 115 | 96 | 58 | 3 | 0 | 2 | 0 |
| MA BOSTON | 83 | 69 | 89 | 63 | 76 | 2 | 0.08 | -0.56 | 0.08 | 4.81 | 94 | 24.76 | 109 | 79 | 49 | 0 | 0 | 1 | 0 |
| MA CHATHAM | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| MI ALPENA | 77 | 53 | 83 | 48 | 65 | -2 | 2.08 | 1.42 | 1.17 | 5.03 | 102 | 12.36 | 82 | 98 | 51 | 0 | 0 | 4 | 2 |
| MI DETROIT | 83 | 63 | 88 | 53 | 73 | 0 | 0.08 | -0.64 | 0.08 | 2.44 | 43 | 13.82 | 78 | 94 | 51 | 0 | 0 | 2 | 0 |
| MI FLINT | 81 | 59 | 87 | 45 | 70 | -1 | 0.51 | -0.10 | 0.39 | 4.82 | 98 | 14.90 | 97 | 91 | 43 | 0 | 0 | 3 | 0 |
| MI GRAND RAPIDS | 80 | 61 | 86 | 50 | 71 | -1 | 0.33 | -0.39 | 0.28 | 6.78 | 118 | 16.93 | 93 | 88 | 41 | 0 | 0 | 2 | 0 |
| MI HOUGHTON LAKE | 78 | 53 | 86 | 44 | 66 | -2 | 1.85 | 1.07 | 0.91 | 8.22 | 177 | 16.76 | 118 | 95 | 49 | 0 | 0 | 3 | 2 |
| MI LANSING | 80 | 59 | 86 | 45 | 70 | -2 | 0.43 | -0.15 | 0.34 | 5.42 | 108 | 14.99 | 95 | 93 | 43 | 0 | 0 | 2 | 0 |
| MI MARQUETTE | 75 | 52 | 89 | 41 | 63 | -2 | 1.72 | 1.09 | 1.64 | 6.94 | 130 | 25.38 | 143 | 95 | 51 | 0 | 0 | 2 | 1 |
| MI MUBKEGON | 77 | 60 | 82 | 49 | 68 | -2 | 0.24 | -0.23 | 0.14 | 5.20 | 144 | 15.28 | 98 | 92 | 47 | 0 | 0 | 2 | 0 |
| MI SAULT ST. MARIE | 71 | 51 | 83 | 44 | 61 | -3 | 1.43 | 0.82 | 1.42 | 6.49 | 134 | 19.18 | 116 | 98 | 50 | 0 | 0 | 2 | 1 |
| MN ALEXANDRIA | 80 | 60 | 87 | 55 | 70 | -2 | - | - | - | - | - | - | - | 82 | 54 | 0 | 0 | - | - |
| MN DULUTH | 72 | 54 | 82 | 46 | 63 | -3 | 0.95 | 0.15 | 0.53 | 11.04 | 180 | 17.30 | 112 | 98 | 63 | 0 | 0 | 5 | 1 |
| MN INT'L FALLS | 79 | 57 | 86 | 47 | 68 | 1 | 0.28 | -0.52 | 0.17 | 7.02 | 111 | 14.35 | 110 | 88 | 48 | 0 | 0 | 2 | 0 |
| MN MINNEAPOLIS | 83 | 63 | 90 | 56 | 73 | -1 | 0.04 | -0.74 | 0.04 | 5.80 | 88 | 12.22 | 76 | 99 | 43 | 2 | 0 | 1 | 0 |
| MN ROCHESTER | 78 | 60 | 88 | 53 | 69 | -2 | 0.00 | -0.98 | 0.00 | 8.07 | 125 | 16.58 | 104 | 94 | 68 | 0 | 0 | 0 | 0 |
| MS GREENWOOD | 93 | 74 | 96 | 73 | 84 | 2 | - | - | - | - | - | - | - | 97 | 52 | 6 | 0 | - | - |
| MS JACKSON | 90 | 73 | 93 | 71 | 82 | 0 | 1.53 | 0.59 | 0.75 | 7.80 | 131 | 33.78 | 102 | 95 | 54 | 5 | 0 | 4 | 2 |
| MS MERIDIAN | 91 | 70 | 93 | 68 | 81 | 0 | 4.08 | 2.88 | 3.95 | 7.52 | 108 | 32.55 | 95 | 98 | 54 | 6 | 0 | 2 | 1 |
| MO CAPE GIRARDEAU | 91 | 71 | 97 | 63 | 81 | 1 | 0.12 | -0.68 | 0.12 | 3.94 | 69 | 23.58 | 88 | 93 | 53 | 4 | 0 | 1 | 0 |
| MO COLUMBIA | 89 | 69 | 96 | 61 | 79 | 2 | 0.70 | -0.14 | 0.38 | 2.57 | 40 | 20.91 | 98 | 90 | 49 | 3 | 0 | 3 | 0 |
| MO KANSAS CITY | 91 | 71 | 97 | 60 | 81 | 2 | 0.16 | -0.82 | 0.08 | 8.19 | 108 | 23.09 | 112 | 88 | 51 | 4 | 0 | 3 | 0 |
| MO SAINT LOUIS | 89 | 69 | 96 | 61 | 79 | -1 | 1.48 | 0.61 | 0.85 | 6.11 | 97 | 25.25 | 118 | 94 | 49 | 4 | 0 | 3 | 2 |
| MO SPRINGFIELD | 88 | 68 | 95 | 58 | 78 | 0 | 0.38 | -0.23 | 0.38 | 3.50 | 50 | 18.49 | 79 | 97 | 51 | 4 | 0 | 1 | 0 |
| MT BILLINGS | 88 | 59 | 97 | 53 | 73 | 0 | 0.00 | -0.19 | 0.00 | 1.30 | 50 | 8.59 | 88 | 88 | 22 | 2 | 0 | 0 | 0 |
| MT GLASGOW | 88 | 58 | 95 | 50 | 73 | 2 | 0.38 | 0.00 | 0.29 | 2.43 | 75 | 5.02 | 74 | 88 | 28 | 3 | 0 | 4 | 0 |
| MT GREAT FALLS | 84 | 52 | 93 | 43 | 68 | 0 | 0.07 | -0.18 | 0.07 | 1.25 | 39 | 6.00 | 61 | 78 | 21 | 2 | 0 | 1 | 0 |
| MT HAVRE | 88 | 52 | 97 | 44 | 70 | 0 | 0.08 | -0.22 | 0.08 | 2.12 | 80 | 8.28 | 91 | 84 | 25 | 3 | 0 | 1 | 0 |
| MT HELENA | 84 | 54 | 93 | 45 | 69 | -1 | 0.50 | 0.27 | 0.34 | 2.39 | 93 | 7.03 | 98 | 79 | 25 | 3 | 0 | 3 | 0 |
| MT KALISPELL | 80 | 45 | 91 | 38 | 62 | -2 | 0.05 | -0.18 | 0.05 | 1.90 | 65 | 14.89 | 155 | 95 | 34 | 1 | 0 | 1 | 0 |
| MT MILES CITY | 93 | 80 | 100 | 53 | 78 | 1 | 0.00 | -0.33 | 0.00 | 0.91 | 24 | 9.54 | 104 | 76 | 21 | 5 | 0 | 0 | 0 |
| MT MISSOULA | 84 | 52 | 94 | 40 | 68 | 1 | 0.00 | -0.19 | 0.00 | 1.92 | 81 | 10.17 | 124 | 78 | 20 | 3 | 0 | 0 | 0 |
| NE GRAND ISLAND | 88 | 68 | 95 | 59 | 78 | 0 | 1.47 | 0.85 | 1.04 | 6.85 | 119 | 19.87 | 130 | 87 | 51 | 3 | 0 | 3 | 1 |
| NE LINCOLN | 90 | 70 | 98 | 61 | 80 | 1 | 1.25 | 0.53 | 1.25 | 5.38 | 90 | 20.77 | 129 | 86 | 50 | 5 | 0 | 1 | 1 |
| NE NORFOLK | 85 | 64 | 93 | 57 | 75 | -1 | 1.38 | 0.68 | 0.98 | 4.81 | 73 | 12.22 | 77 | 93 | 51 | 2 | 0 | 3 | 1 |
| NE NORTH PLATTE | 86 | 62 | 93 | 51 | 74 | 0 | 1.23 | 0.54 | 0.70 | 7.18 | 132 | 12.96 | 100 | 82 | 48 | 2 | 0 | 2 | 2 |
| NE OMAHA | 86 | 66 | 95 | 62 | 77 | 0 | 0.44 | -0.35 | 0.25 | 4.08 | 87 | 18.83 | 111 | 89 | 54 | 2 | 0 | 3 | 0 |
| NE SCOTTSBLUFF | 89 | 69 | 96 | 61 | 74 | 0 | 0.15 | -0.31 | 0.15 | 2.50 | 62 | 9.74 | 93 | 91 | 33 | 4 | 0 | 1 | 0 |
| NE VALENTINE | 92 | 69 | 102 | 47 | 78 | 0 | 0.00 | -0.75 | 0.00 | 2.61 | 46 | 9.63 | 71 | 95 | 31 | 5 | 0 | 0 | 0 |
| NV ELY | 86 | 46 | 91 | 37 | 66 | -2 | 0.08 | -0.09 | 0.08 | 0.22 | 16 | 4.67 | 80 | 63 | 12 | 2 | 0 | 2 | 0 |
| NV LAS VEGAS | 104 | 79 | 108 | 77 | 91 | 0 | 0.16 | 0.08 | 0.16 | 0.16 | 50 | 0.67 | 31 | 36 | 14 | 7 | 0 | 1 | 0 |
| NV RENO | 87 | 50 | 92 | 40 | 69 | -4 | 0.00 | -0.06 | 0.00 | 0.84 | 133 | 7.21 | 160 | 72 | 18 | 3 | 0 | 0 | 0 |
| NV WINNEMUCCA | 90 | 50 | 98 | 37 | 70 | -3 | 0.14 | 0.08 | 0.14 | 0.58 | 56 | 6.06 | 123 | 71 | 14 | 4 | 0 | 1 | 0 |
| NH CONCORD | 81 | 61 | 87 | 57 | 71 | 1 | 0.82 | 0.19 | 0.69 | 6.57 | 125 | 26.53 | 139 | 92 | 53 | 0 | 0 | 5 | 1 |
| NJ ATLANTIC CITY | 85 | 69 | 90 | 61 | 77 | 2 | 0.96 | 0.07 | 0.45 | 8.18 | 162 | 27.85 | 128 | 92 | 58 | 1 | 0 | 3 | 0 |
| NM ALBUQUERQUE | 89 | 68 | 98 | 63 | 78 | -1 | 0.39 | 0.07 | 0.17 | 4.14 | 287 | 4.53 | 117 | 71 | 27 | 4 | 0 | 3 | 0 |
| NM CLOVIS | 94 | 69 | 100 | 66 | 81 | 4 | 0.35 | -0.22 | - | - | - | 7.81 | 89 | 79 | 33 | 4 | 0 | - | - |
| NM ROSWELL | 93 | 68 | 100 | 65 | 81 | 0 | 0.11 | -0.28 | - | - | - | 8.30 | 153 | 83 | 35 | 5 | 0 | - | - |
| NY ALBANY | 82 | 62 | 88 | 58 | 72 | 0 | 0.83 | 0.11 | 0.52 | 8.89 | 157 | 25.57 | 129 | 86 | 49 | 0 | 0 | 2 | 1 |
| NY BINGHAMTON | 77 | 59 | 82 | 52 | 68 | -1 | 0.88 | 0.06 | 0.33 | 8.33 | 141 | 24.67 | 123 | 94 | 59 | 0 | 0 | 3 | 0 |
| NY BUFFALO | 78 | 62 | 84 | 53 | 70 | -1 | 1.12 | 0.44 | 0.58 | 7.07 | 129 | 23.79 | 123 | 89 | 47 | 0 | 0 | 4 | 1 |
| NY NEW YORK | 86 | 72 | 91 | 66 | 79 | 2 | 0.54 | -0.40 | 0.36 | 7.74 | 125 | 25.09 | 107 | 85 | 54 | 2 | 0 | 3 | 0 |
| NY ROCHESTER | 79 | 61 | 86 | 53 | 70 | -1 | 0.88 | 0.27 | 0.80 | 7.81 | 185 | 23.09 | 139 | 95 | 58 | 0 | 0 | 3 | 1 |
| NY SYRACUSE | 81 | 63 | 88 | 57 | 72 | 1 | 2.15 | 1.30 | 1.10 | 6.70 | 107 | 21.01 | 104 | 85 | 48 | 0 | 0 | 2 | 2 |
| NC ASHEVILLE | 84 | 64 | 88 | 62 | 74 | 0 | 1.30 | 0.23 | 0.99 | 6.04 | 78 | 23.88 | 77 | 97 | 47 | 0 | 0 | 3 | 1 |
| NC CHARLOTTE | 90 | 72 | 93 | 68 | 81 | 1 | 0.55 | -0.35 | 0.42 | 4.48 | 76 | 22.34 | 91 | 90 | 47 | 5 | 0 | 3 | 0 |
| NC GREENSBORO | 90 | 74 | 94 | 70 | 81 | 4 | 0.19 | -0.86 | 0.12 | 2.35 | 35 | 21.36 | 89 | 88 | 45 | 4 | 0 | 3 | 0 |
| NC HATTERAS | 83 | 74 | 88 | 68 | 79 | 0 | 1.18 | 0.02 | 0.92 | 12.62 | 174 | - | - | 97 | 69 | 0 | 0 | 3 | 1 |
| NC NEW BERN | 90 | 76 | 95 | 74 | 83 | 4 | 0.05 | -1.57 | 0.05 | 7.19 | 73 | 24.35 | 80 | 93 | 61 | 4 | 0 | 1 | 0 |
| NC RALEIGH | 90 | 72 | 93 | 70 | 81 | 3 | 1.43 | 0.52 | 0.90 | 6.72 | 108 | 23.91 | 100 | 93 | 50 | 5 | 0 | 3 | 2 |
| NC WILMINGTON | 89 | 78 | 94 | 71 | 82 | 2 | 0.09 | -1.51 | 0.09 | 11.10 | 119 | 25.41 | 85 | 96 | 65 | 3 | 0 | 1 | 0 |
| ND BISMARCK | 84 | 58 | 83 | 49 | 71 | 0 | 1.61 | 1.14 | 1.12 | 5.68 | 137 | 10.80 | 109 | 93 | 44 | 1 | 0 | 4 | 1 |
| ND FARGO | 83 | 59 | 89 | 50 | 71 | -1 | 0.08 | -0.53 | 0.07 | 1.80 | 39 | 6.88 | 62 | 89 | 45 | 0 | 0 | 2 | 0 |
| ND GRAND FORKS | 82 | 61 | 89 | 55 | 72 | 2 | 2.81 | 2.20 | 1.41 | 4.48 | 97 | 9.94 | 97 | 94 | 54 | 0 | 0 | 3 | 3 |
| ND WILLISTON | 88 | 58 | 95 | 49 | 73 | 2 | 1.43 | 0.96 | 1.03 | 4.74 | 128 | 8.00 | 92 | 89 | 35 | 3 | 0 | 4 | 1 |
| OH AKRON-CANTON | 80 | 62 | 85 | 61 | 71 | -1 | 1.00 | 0.08 | 0.63 | 6.68 | 149 | 23.43 | 114 | 94 | 47 | 0 | 0 | 4 | 1 |
| OH CINCINNATI | 84 | 67 | 88 | 64 | 78 | 0 | 1.55 | 0.59 | 1.05 | 6.78 | 103 | 35.23 | 145 | 90 | 48 | 0 | 0 | 5 | 1 |
| OH CLEVELAND | 81 | 64 | 86 | 55 | 73 | 0 | 1.31 | 0.51 | 0.92 | 5.78 | 97 | 20.57 | 104 | 90 | 50 | 0 | 0 | 4 | 1 |
| OH COLUMBUS | 86 | 66 | 90 | 58 | 76 | 3 | 2.44 | 1.59 | 2.12 | 6.36 | 102 | 28.80 | 136 | 83 | 43 | 2 | 0 | 5 | 1 |
| OH DAYTON | 84 | 66 | 89 | 59 | 75 | 1 | 2.30 | 1.50 | 0.98 | 8.39 | 137 | 34.71 | 163 | 93 | 49 | 0 | 0 | 5 | 2 |

Based on 1961-90 normals

Weather Data for the Week Ending July 20, 1996

| 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 Jun 1 | PCT. NORMAL SINCE Jun 1 | TOTAL IN. SINCE Jun 1 | PCT. NORMAL SINCE Jun 1 | AVERAGE MAXIMUM | AVERAGE MINIMUM | 90 AND ABOVE | 92 AND BELOW | TEMP. °F | | PRECIP. | |
| | | | | | | | | | | | | | | | | | | 01 INCH OR MORE | 05 INCH OR MORE | | |
| OK TOLEDO | 84 | 62 | 88 | 52 | 73 | 1 | 0.71 | -0.01 | 0.28 | 5.88 | 97 | 18.67 | 104 | 81 | 46 | 0 | 0 | 3 | 0 | | |
| OK YOUNGSTOWN | 79 | 62 | 84 | 51 | 70 | 0 | 1.56 | 0.64 | 0.93 | 6.45 | 98 | 23.24 | 113 | 97 | 62 | 0 | 0 | 6 | 1 | | |
| OK OKLAHOMA CITY | 83 | 71 | 98 | 63 | 82 | 0 | 1.98 | 1.42 | 1.98 | 10.79 | 179 | 16.98 | 87 | 89 | 41 | 5 | 0 | 1 | 1 | | |
| OR TULSA | 84 | 74 | 100 | 64 | 84 | 0 | 0.15 | -0.52 | 0.15 | 4.82 | 72 | 10.85 | 47 | 84 | 45 | 8 | 0 | 1 | 0 | | |
| OR ASTORIA | 84 | 54 | 71 | 52 | 59 | -1 | 1.83 | 1.40 | 1.02 | 3.28 | 104 | 46.65 | 128 | 94 | 65 | 0 | 0 | 4 | 1 | | |
| OR BURNS | 83 | 46 | 96 | 33 | 64 | -3 | 0.00 | -0.08 | 0.00 | 0.86 | 62 | 7.84 | 143 | 72 | 17 | 1 | 0 | 0 | 0 | | |
| OR MEDFORD | 86 | 57 | 103 | 46 | 72 | -2 | 0.08 | 0.02 | 0.08 | 0.30 | 42 | 14.39 | 154 | 79 | 31 | 2 | 0 | 1 | 0 | | |
| OR PENDLETON | 85 | 57 | 101 | 48 | 71 | -2 | 0.02 | -0.08 | 0.02 | 0.48 | 56 | 8.78 | 129 | 89 | 24 | 2 | 0 | 1 | 0 | | |
| OR PORTLAND | 76 | 58 | 97 | 53 | 67 | -1 | 0.84 | 0.51 | 0.34 | 1.26 | 67 | 31.81 | 186 | 84 | 43 | 1 | 0 | 3 | 0 | | |
| OR SALEM | 77 | 56 | 96 | 50 | 66 | -1 | 0.84 | 0.73 | 0.69 | 1.61 | 95 | 35.02 | 170 | 89 | 44 | 1 | 0 | 2 | 1 | | |
| PA ALLENTOWN | 84 | 66 | 87 | 60 | 74 | 0 | 1.77 | 0.83 | 0.83 | 10.26 | 161 | 30.44 | 129 | 86 | 53 | 0 | 0 | 5 | 1 | | |
| PA ERIE | 78 | 66 | 84 | 59 | 72 | 0 | 1.77 | 1.02 | 0.81 | 10.80 | 189 | 27.31 | 133 | 92 | 51 | 0 | 0 | 4 | 2 | | |
| PA HARRISBURG | 85 | 71 | 90 | 64 | 78 | 2 | 1.86 | 0.85 | -- | 11.66 | 190 | 31.01 | 136 | 89 | 56 | 1 | 0 | -- | -- | | |
| PA PHILADELPHIA | 86 | 71 | 89 | 65 | 78 | 3 | 1.78 | 0.71 | 0.72 | 8.23 | 113 | 25.70 | 100 | 90 | 52 | 0 | 0 | 3 | 2 | | |
| PA PITTSBURGH | 80 | 65 | 86 | 56 | 72 | 0 | 2.13 | 1.28 | 0.78 | 10.71 | 174 | 28.86 | 135 | 94 | 58 | 0 | 0 | 5 | 2 | | |
| PA SCRANTON | 81 | 62 | 86 | 57 | 72 | 0 | 0.70 | -0.15 | 0.31 | 7.39 | 114 | 27.02 | 136 | 92 | 57 | 0 | 0 | 5 | 0 | | |
| RI PROVIDENCE | 81 | 68 | 88 | 63 | 74 | 1 | 0.10 | -0.62 | 0.10 | 6.76 | 126 | 24.80 | 100 | 88 | 55 | 0 | 0 | 1 | 0 | | |
| SC CHARLESTON | 90 | 75 | 94 | 73 | 83 | 1 | 2.96 | 1.41 | 1.42 | 9.06 | 84 | 18.83 | 69 | 94 | 58 | 3 | 0 | 4 | 2 | | |
| SC COLUMBIA | 93 | 73 | 97 | 71 | 83 | 2 | 1.21 | -0.04 | 0.68 | 3.40 | 41 | 19.12 | 66 | 88 | 44 | 7 | 0 | 3 | 2 | | |
| SC FLORENCE | 92 | 74 | 97 | 72 | 83 | 2 | 0.00 | -1.27 | 0.00 | 5.00 | 63 | 15.78 | 62 | 98 | 53 | 6 | 0 | 0 | 0 | | |
| SD GREENVILLE | 90 | 72 | 93 | 69 | 81 | 3 | 0.37 | -0.67 | 0.18 | 4.86 | 63 | 30.04 | 100 | 91 | 53 | 4 | 0 | 3 | 0 | | |
| SD ABERDEEN | 83 | 58 | 88 | 49 | 71 | -2 | 0.03 | -0.89 | 0.02 | 4.68 | 86 | 12.39 | 99 | 95 | 43 | 0 | 0 | 3 | 0 | | |
| SD HURON | 86 | 61 | 97 | 51 | 74 | -1 | 0.39 | -0.20 | 0.38 | 3.11 | 60 | 10.08 | 78 | 94 | 41 | 2 | 0 | 2 | 0 | | |
| SD RAPID CITY | 82 | 59 | 97 | 48 | 76 | 3 | 0.12 | -0.32 | 0.12 | 1.69 | 38 | 13.66 | 124 | 83 | 26 | 5 | 0 | 1 | 0 | | |
| SD SIOUX FALLS | 84 | 61 | 90 | 50 | 72 | -3 | 0.42 | -0.17 | 0.42 | 2.19 | 43 | 10.00 | 74 | 93 | 44 | 1 | 0 | 1 | 0 | | |
| TN CHATTANOOGA | 82 | 72 | 96 | 70 | 82 | 3 | 0.23 | -0.90 | 0.13 | 4.49 | 67 | 29.36 | 94 | 88 | 41 | 5 | 0 | 2 | 0 | | |
| TN KNOXVILLE | 89 | 71 | 94 | 67 | 80 | 3 | 1.72 | 0.65 | 1.03 | 4.69 | 68 | 29.11 | 103 | 89 | 46 | 4 | 0 | 4 | 1 | | |
| TN MEMPHIS | 91 | 74 | 96 | 71 | 83 | 0 | 1.07 | 0.22 | 1.07 | 12.04 | 201 | 36.13 | 117 | 90 | 47 | 5 | 0 | 1 | 1 | | |
| TX NASHVILLE | 89 | 72 | 93 | 66 | 80 | 1 | 0.75 | -0.16 | 0.36 | 4.66 | 78 | 24.37 | 88 | 89 | 46 | 4 | 0 | 3 | 0 | | |
| TX ABILENE | 83 | 74 | 99 | 68 | 84 | -1 | 0.21 | -0.25 | 0.21 | 3.15 | 78 | 9.64 | 78 | 81 | 41 | 5 | 0 | 1 | 0 | | |
| TX AMARILLO | 90 | 67 | 94 | 62 | 78 | -1 | 0.09 | -0.47 | 0.07 | 4.70 | 88 | 6.93 | 63 | 83 | 40 | 4 | 0 | 2 | 0 | | |
| TX AUSTIN | 98 | 76 | 100 | 75 | 87 | 3 | 0.00 | -0.43 | 0.00 | 4.56 | 90 | 9.62 | 62 | 91 | 38 | 7 | 0 | 0 | 0 | | |
| TX BEAUMONT | 90 | 75 | 94 | 72 | 83 | 0 | 0.57 | -0.64 | 0.33 | 10.82 | 119 | 18.04 | 80 | 98 | 71 | 5 | 0 | 6 | 0 | | |
| TX BROWNSVILLE | 96 | 78 | 96 | 78 | 87 | 2 | 0.00 | -0.41 | 0.00 | 0.59 | 15 | 1.38 | 12 | 90 | 47 | 7 | 0 | 0 | 0 | | |
| TX CORPUS CHRISTI | 96 | 76 | 97 | 75 | 86 | 2 | 0.00 | -0.52 | 0.00 | 1.45 | 30 | 4.31 | 29 | 95 | 47 | 7 | 0 | 0 | 0 | | |
| TX DEL RIO | 101 | 79 | 103 | 77 | 90 | 6 | 0.00 | -0.41 | 0.00 | 0.08 | 2 | 2.31 | 17 | 71 | 25 | 7 | 0 | 0 | 0 | | |
| TX EL PASO | 91 | 70 | 97 | 68 | 81 | -2 | 0.87 | 0.51 | 0.35 | 3.82 | 219 | 4.40 | 136 | 80 | 33 | 5 | 0 | 4 | 0 | | |
| TX FORT WORTH | 94 | 76 | 98 | 72 | 86 | 2 | 2.21 | 1.73 | 2.11 | 6.99 | 149 | 13.79 | 65 | 83 | 51 | 5 | 0 | 2 | 1 | | |
| TX GALVESTON | 90 | 82 | 91 | 77 | 86 | 3 | 0.12 | -0.78 | 0.10 | 1.48 | 21 | 6.18 | 30 | 82 | 62 | 6 | 0 | 2 | 0 | | |
| TX HOUSTON | 94 | 74 | 98 | 73 | 84 | 1 | 0.12 | -0.86 | 0.07 | 6.96 | 77 | 12.20 | 43 | 96 | 49 | 6 | 0 | 3 | 0 | | |
| TX LUBBOCK | 89 | 71 | 96 | 67 | 80 | 0 | 0.33 | -0.19 | 0.28 | 3.96 | 92 | 6.81 | 71 | 76 | 41 | 4 | 0 | 2 | 0 | | |
| TX MIDLAND | 96 | 73 | 100 | 68 | 84 | 2 | 0.09 | -0.29 | 0.08 | 1.98 | 81 | 3.51 | 50 | 75 | 36 | 5 | 0 | 2 | 0 | | |
| TX SAN ANGELO | 95 | 74 | 100 | 71 | 85 | 2 | 0.04 | -0.18 | 0.04 | 1.93 | 65 | 6.99 | 66 | 81 | 35 | 5 | 0 | 1 | 0 | | |
| TX SAN ANTONIO | 100 | 78 | 101 | 77 | 89 | 4 | 0.00 | -0.45 | 0.00 | 2.09 | 40 | 4.50 | 26 | 83 | 31 | 7 | 0 | 0 | 0 | | |
| TX VICTORIA | 96 | 75 | 98 | 73 | 85 | 2 | 0.00 | -0.96 | 0.00 | 6.80 | 89 | 9.94 | 43 | 84 | 46 | 7 | 0 | 0 | 0 | | |
| TX WACO | 95 | 77 | 101 | 75 | 86 | 0 | 0.03 | -0.40 | 0.03 | 4.11 | 90 | 9.94 | 54 | 88 | 46 | 5 | 0 | 1 | 0 | | |
| TX WICHITA FALLS | 99 | 76 | 106 | 67 | 88 | 3 | 0.17 | -0.18 | 0.17 | 2.23 | 44 | 6.17 | 37 | 74 | 33 | 7 | 0 | 1 | 0 | | |
| UT CEDAR CITY | 90 | 60 | 97 | 57 | 75 | 1 | 0.54 | 0.28 | 0.44 | 1.24 | 116 | 6.14 | 104 | 61 | 21 | 4 | 0 | 2 | 0 | | |
| UT SALT LAKE CITY | 91 | 64 | 99 | 60 | 78 | -1 | 0.36 | 0.17 | 0.23 | 0.48 | 33 | 11.38 | 117 | 71 | 22 | 4 | 0 | 2 | 0 | | |
| VT BURLINGTON | 79 | 63 | 85 | 57 | 71 | 0 | 1.30 | 0.47 | 0.58 | 7.87 | 136 | 25.96 | 149 | 88 | 53 | 0 | 0 | 5 | 1 | | |
| VA NORFOLK | 88 | 72 | 91 | 68 | 80 | 2 | 0.80 | -0.37 | 0.49 | 10.74 | 152 | 31.33 | 125 | 92 | 53 | 3 | 0 | 2 | 0 | | |
| VA RICHMOND | 88 | 71 | 91 | 62 | 79 | 1 | 1.67 | 0.50 | 1.50 | 8.02 | 117 | 22.80 | 96 | 90 | 55 | 2 | 0 | 4 | 1 | | |
| VA ROANOKE | 88 | 67 | 90 | 62 | 77 | 1 | 0.73 | -0.17 | 0.63 | 9.92 | 176 | 29.20 | 132 | 91 | 53 | 1 | 0 | 4 | 1 | | |
| WA QUILLAYUTE | 98 | 52 | 85 | 50 | 69 | 0 | 0.68 | 0.10 | 0.43 | 2.96 | 62 | 50.56 | 90 | 91 | 58 | 0 | 0 | 5 | 0 | | |
| WA SEATTLE-TACOMA | 71 | 56 | 91 | 52 | 64 | -2 | 0.55 | 0.38 | 0.24 | 1.36 | 69 | 26.52 | 140 | 87 | 55 | 1 | 0 | 3 | 0 | | |
| WA SPOKANE | 81 | 53 | 98 | 45 | 67 | -2 | 0.16 | 0.02 | 0.12 | 1.61 | 95 | 12.09 | 130 | 81 | 26 | 2 | 0 | 2 | 0 | | |
| WA YAKIMA | 83 | 54 | 100 | 42 | 68 | -2 | 0.10 | 0.07 | 0.08 | 0.14 | 22 | 5.29 | 125 | 84 | 34 | 2 | 0 | 2 | 0 | | |
| WV BECKLEY | 77 | 63 | 83 | 53 | 70 | 0 | 1.97 | 0.89 | 1.35 | 7.81 | 113 | 30.46 | 128 | 96 | 59 | 0 | 0 | 3 | 2 | | |
| WV CHARLESTON | 83 | 64 | 87 | 57 | 74 | -2 | 2.23 | 1.07 | 1.09 | 8.18 | 120 | 32.35 | 138 | 97 | 58 | 0 | 0 | 4 | 2 | | |
| WV HUNTINGTON | 86 | 67 | 89 | 59 | 76 | 2 | 3.86 | 2.48 | 2.33 | 8.57 | 128 | 33.02 | 136 | 92 | 48 | 0 | 0 | 4 | 2 | | |
| WV PARKERSBURG | 84 | 66 | 89 | 57 | 74 | 0 | 0.72 | -0.30 | 0.31 | 6.23 | 94 | 27.74 | 116 | 97 | 52 | 0 | 0 | 4 | 0 | | |
| WI GREEN BAY | 78 | 56 | 84 | 48 | 67 | -3 | 0.32 | -0.37 | 0.25 | 7.00 | 130 | 15.95 | 107 | 95 | 54 | 0 | 0 | 2 | 0 | | |
| WI LACROSSE | 84 | 64 | 95 | 57 | 74 | 0 | 0.31 | -0.54 | -- | 7.77 | 122 | 16.71 | 102 | 92 | 50 | 2 | 0 | -- | -- | | |
| WI MADISON | 79 | 60 | 87 | 51 | 69 | -3 | 2.12 | 1.24 | 1.40 | 11.91 | 190 | 21.67 | 126 | 95 | 54 | 0 | 0 | 2 | 2 | | |
| WI MILWAUKEE | 79 | 63 | 88 | 57 | 71 | 0 | 0.53 | -0.26 | 0.27 | 5.84 | 107 | 14.34 | 81 | 94 | 64 | 0 | 0 | 2 | 0 | | |
| WI WAUSAU | 77 | 57 | 84 | 48 | 67 | -3 | 1.48 | 0.60 | 1.14 | 10.67 | 165 | 19.18 | 114 | 93 | 52 | 0 | 0 | 3 | 1 | | |
| WY CASPER | 91 | 52 | 93 | 42 | 71 | 0 | 0.04 | -0.24 | 0.04 | 0.96 | 42 | 5.47 | 67 | 75 | 18 | 5 | 0 | 1 | 0 | | |
| WY CHEYENNE | 86 | 58 | 88 | 47 | 70 | 1 | 0.32 | -0.15 | 0.15 | 3.83 | 106 | 9.46 | 104 | 84 | 26 | 0 | 0 | 3 | 0 | | |
| WY LANDER | 89 | 58 | 93 | 48 | 72 | 1 | 0.01 | -0.16 | 0.01 | 0.42 | 21 | 6.25 | 72 | 69 | 13 | 2 | 0 | 1 | 0 | | |
| WY SHERIDAN | 91 | 56 | 100 | 46 | 74 | 3 | 0.00 | -0.17 | 0.00 | 1.33 | 47 | 8.39 | 69 | 78 | 23 | 3 | 0 | 0 | 0 | | |
| PR SAN JUAN | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | |

Based on 1961-90 normals

Note: These data are preliminary and subject to change. In the recent past precipitation totals from a number of stations have been incomplete.

National Agricultural Summary

July 15 - 21, 1996

HIGHLIGHTS

The Corn Belt received substantial rain before much of the corn crop started the pollination stage of development. The precipitation accelerated crop development, but row-crops in the Corn Belt remain significantly behind normal due to late plantings. The heavy rains caused some localized ponding and flooding in Illinois and Indiana. Thunderstorms deposited ample precipitation over the middle Mississippi and Ohio Valleys, improving soil

moisture ratings, but more precipitation was needed. Producers in North Carolina and Virginia reported that the heavy rains from Hurricane Bertha caused lodging and fungus problems in row-crops. In the Southeast, beneficial rains improved row-crop conditions but dry pockets remained. Damp conditions in Nebraska resulted in excessive weed growth, while farther south, row-crops were stressed by hot weather and dry conditions.

Wheat harvested for the 19 major producing States was 74 percent (%) complete, up 10 percentage points from the week earlier and 2 points behind the 5-year average. Wheat harvested in Michigan at 3% complete was 39 points behind the average. Rains in the Central States slowed harvest activity. Warmer weather quickened the maturity of small grains in South Dakota, where producers plan to harvest before grasshoppers can cause further damage. Rains in the Pacific Northwest slowed harvest activity.

Spring wheat condition was mostly good to fair with 85% of the acreage headed, up 21 points from the previous week and 4 points below the average. Spring wheat headed in Minnesota at 87% complete was up 19 points from the previous week, but 11 points behind the average. In Idaho, spring wheat condition was mostly good to excellent.

Corn was in mostly good to fair condition, with 23% of the acreage in the silking stage or beyond. Corn silking for the 17 major producing States was up 12 points from the previous week, but 19 points behind the average. The percentage of acreage silking was over 30 points behind normal in the central Corn Belt. Silking in Illinois at 22% complete was 43 points behind the average, while Iowa's corn silking was approximately 11 days behind normal. Crop stress from dry conditions in the central Corn Belt was reduced by the weekend storm system. The precipitation arrived just before much of the crop entered the weather-sensitive pollination stage of development. Dry conditions caused corn leaves to curl at midday in Minnesota, where most of the precipitation missed the principal row-crop areas. Producers sprayed for corn borer infestations in the Great Lakes, where some fields had weed problems due to the wet conditions that limited cultivation. The average height of corn in Michigan was 40 inches, compared with the 5-year average height of 57 inches. In Missouri, 19% of the crop reached the doughing stage, 1 day ahead of normal. Many fields in central Texas failed due to the extreme heat and dryness.

Cotton squaring was 95% complete, up 6 points from a week earlier and 8 points ahead of the average. Cotton condition was mostly good to fair for the 14 major producing States. Cotton

setting bolls was 63% complete, up 21 points from the previous week and 13 points ahead of the average. Crop development was ahead of normal by at least 10 points in New Mexico, Oklahoma, and Texas due to hot weather. In Texas, rains across the Plains improved some marginal cotton fields, and early fields in the Coastal Bend were defoliated. Growth regulators were applied in some Arizona cotton fields. Summer heat across the Southern States accelerated cotton development and increased problems with cotton boll worms. Cotton producers in the Delta reported light insect pressure. Growth regulators were applied in California's San Joaquin Valley to force bolls to open.

Rice headed for the five major producing States was 37% complete, up 10 points from the previous week and 9 points ahead of normal. Beneficial rains in the Delta improved rice growth, and rice condition was mostly good to excellent. Arkansas rice fields were treated with fungicides for sheath blight, while California rice fields were treated for broadleaf weeds. Early rice harvesting in Louisiana was hindered by wet conditions.

Sorghum condition was mostly good to fair. Sorghum headed at 28% complete was 2 points behind the average. Sorghum development was aided by hot weather across the Southern States. Some watering resumed in Texas, where many sorghum fields were rapidly turning color. In Missouri, 18% of the sorghum acreage was headed at about 4 days behind the average.

Soybeans blooming was 33% complete, up 15 points from the previous week and 15 points below the average. Soybeans were in mostly good to fair condition. Blooming in Illinois, Indiana, and Ohio was behind the average by over 40 points. In Louisiana and Mississippi, soybean blooming was over 30 points ahead of the average due to the hot, muggy weather. Some Arkansas soybean fields were treated for garden web worm. In the Southeast, insect damage was reported in some dry soybean fields. Soybeans in the Corn Belt were stressed from the continued dry weather early in the week, but were revived by the midweek storm system. Some Midwestern soybean producers reported insect damage. Mexican bean beetles and Japanese beetles invaded Tennessee soybean fields. The average height of soybeans in Minnesota was 17 inches, 2 inches below the 5-year average.

Crop Progress and Condition

Week Ending July 21, 1996

Soybeans Percent Blooming

| | Jul 21 1996 | Prev Week | Prev Year | 5-Yr Avg |
|-----|----------------|--------------|--------------|-------------|
| AL | 35 | 25 | 29 | 29 |
| AR | 38 | 23 | 24 | 26 |
| GA | 35 | 23 | 38 | 36 |
| IL | 19 | 13 | 28 | 60 |
| IN | 15 | 7 | 39 | 61 |
| IA | 47 | 20 | 53 | 58 |
| KS | 52 | 33 | 6 | 36 |
| KY | 24 | 13 | 26 | 37 |
| LA | 77 | 56 | 67 | 44 |
| MI | 8 | 0 | 39 | 34 |
| MN | 44 | 17 | 49 | 49 |
| MS | 74 | 71 | 60 | 38 |
| MO | 32 | 16 | 8 | 34 |
| NE | 37 | 10 | 18 | 44 |
| NC | 23 | 13 | 17 | 19 |
| OH | 15 | 10 | 48 | 64 |
| SC | 24 | 16 | 19 | 20 |
| SD | 38 | 18 | 34 | 44 |
| TN | 28 | 10 | 24 | 21 |
| ALL | 33 | 18 | 35 | 48 |

These 19 States produced 94% of the 1995 soybean crop.

Winter Wheat Percent Harvested

| | Jul 21 1996 | Prev Week | Prev Year | 5-Yr Avg |
|-----|----------------|--------------|--------------|-------------|
| AR | 100 | 100 | 100 | 100 |
| CA | 99 | 98 | 96 | 94 |
| CO | 67 | 21 | 34 | 68 |
| GA | 100 | 100 | 100 | 100 |
| ID | 1 | 0 | 1 | 4 |
| IL | 93 | 82 | 98 | 92 |
| IN | 70 | 60 | 97 | 84 |
| KS | 98 | 89 | 96 | 94 |
| MI | 3 | 0 | 40 | 42 |
| MO | 99 | 94 | 98 | 89 |
| MT | 0 | 0 | 0 | 0 |
| NE | 52 | 26 | 48 | 63 |
| NC | 99 | 96 | 88 | 97 |
| OH | 64 | 37 | 91 | 74 |
| OK | 100 | 100 | 100 | 100 |
| OR | 11 | 5 | 7 | 14 |
| SD | 2 | 0 | 12 | 30 |
| TX | 99 | 97 | 95 | 98 |
| WA | 3 | 1 | 5 | 10 |
| ALL | 74 | 64 | 73 | 76 |

These 19 States produced 92% of the 1995 winter wheat crop.

Cotton Percent Squaring

| | Jul 21 1996 | Prev Week | Prev Year | 5-Yr Avg |
|-----|----------------|--------------|--------------|-------------|
| AL | 96 | 91 | 97 | 92 |
| AZ | 100 | 98 | 100 | 99 |
| AR | 100 | 100 | 100 | 99 |
| CA | 100 | 95 | 91 | 96 |
| GA | 98 | 96 | 99 | 97 |
| LA | 100 | 100 | 100 | 98 |
| MS | 100 | 99 | 100 | 97 |
| MO | 100 | 99 | 99 | 98 |
| NM | 100 | 90 | 79 | 85 |
| NC | 89 | 73 | 75 | 82 |
| OK | 93 | 84 | 63 | 71 |
| SC | 99 | 91 | 94 | 94 |
| TN | 100 | 99 | 99 | 96 |
| TX | 90 | 80 | 87 | 75 |
| ALL | 95 | 89 | 92 | 87 |

These 14 States produced 99% of the 1995 cotton crop.

Cotton Percent Setting Bolls

| | Jul 21 1996 | Prev Week | Prev Year | 5-Yr Avg |
|-----|----------------|--------------|--------------|-------------|
| AL | 65 | 43 | 64 | 54 |
| AZ | 84 | 70 | 66 | 82 |
| AR | 94 | 65 | 63 | 65 |
| CA | 50 | 20 | 30 | 42 |
| GA | 83 | 66 | 81 | 68 |
| LA | 96 | 67 | 94 | 82 |
| MS | 93 | 78 | 75 | 65 |
| MO | 76 | 42 | 44 | 51 |
| NM | 82 | 49 | 36 | 40 |
| NC | 52 | 37 | 45 | 50 |
| OK | 33 | 19 | 5 | 17 |
| SC | 69 | 34 | 53 | 57 |
| TN | 79 | 44 | 61 | 47 |
| TX | 41 | 25 | 37 | 35 |
| ALL | 63 | 42 | 52 | 50 |

These 14 States produced 99% of the 1995 cotton crop.

Barley Percent Headed

| | Jul 21 1996 | Prev Week | Prev Year | 5-Yr Avg |
|-----|----------------|--------------|--------------|-------------|
| ID | 84 | 73 | 81 | 86 |
| MN | 88 | 66 | 97 | 98 |
| MT | 89 | 64 | 86 | 89 |
| ND | 88 | 62 | 64 | 90 |
| SD | 95 | 80 | 92 | 98 |
| WA | 99 | 89 | 100 | 100 |
| ALL | 89 | 67 | 78 | 91 |

These 6 States produced 82% of the 1995 barley crop.

Oats Percent Headed

| | Jul 21 1996 | Prev Week | Prev Year | 5-Yr Avg |
|-----|----------------|--------------|--------------|-------------|
| IA | 100 | 99 | 100 | 99 |
| MI | 93 | 90 | 94 | 92 |
| MN | 99 | 95 | 98 | 98 |
| NE | 100 | 100 | NA | NA |
| ND | 75 | 54 | 54 | 86 |
| OH | 100 | 99 | 100 | 100 |
| PA | 98 | 95 | 91 | 37 |
| SD | 95 | 87 | 93 | 98 |
| WI | 90 | 80 | 99 | 95 |
| ALL | 93 | 85 | 89 | 92 |

These 9 States produced 56% of the 1995 oat crop.

Oats Percent Harvested

| | Jul 21 1996 | Prev Week | Prev Year | 5-Yr Avg |
|-----|----------------|--------------|--------------|-------------|
| IA | 5 | NA | 18 | 36 |
| MI | 0 | NA | 0 | 7 |
| MN | 0 | NA | 3 | 6 |
| NE | 32 | NA | 35 | 43 |
| ND | 0 | NA | 0 | 0 |
| OH | 7 | NA | 56 | 33 |
| PA | 14 | NA | 5 | 14 |
| SD | 1 | NA | 0 | 0 |
| WI | 0 | NA | 5 | 6 |
| ALL | 3 | NA | 8 | 11 |

These 9 States produced 56% of the 1995 oat crop.

Sorghum Percent Headed

| | Jul 21 1996 | Prev Week | Prev Year | 5-Yr Avg |
|-----|----------------|--------------|--------------|-------------|
| AR | 61 | 43 | 51 | 53 |
| CO | 7 | 0 | 0 | 2 |
| IL | 1 | 0 | 2 | 18 |
| KS | 13 | 8 | 1 | 9 |
| LA | 91 | 78 | 77 | 74 |
| MS | 80 | 70 | 67 | 65 |
| MO | 18 | 8 | 14 | 26 |
| NE | 0 | 0 | 0 | 10 |
| NM | 0 | 0 | 0 | 3 |
| OK | 41 | 31 | 9 | 19 |
| SD | 4 | 0 | 2 | 5 |
| TX | 61 | 58 | 80 | 72 |
| ALL | 28 | 23 | 27 | 30 |

These 12 States produced 98% of the 1995 sorghum crop.

Crop Progress and Condition

Week Ending July 21, 1996

| Corn Percent Silking | | | | |
|----------------------|----------------|--------------|--------------|-------------|
| | Jul 21 1996 | Prev Week | Prev Year | 5-Yr Avg |
| CO | 19 | 8 | 0 | 14 |
| GA | 97 | 96 | 100 | 99 |
| IL | 22 | 6 | 37 | 65 |
| IN | 14 | 3 | 34 | 52 |
| IA | 4 | 0 | 10 | 34 |
| KS | 85 | 54 | 23 | 63 |
| KY | 53 | 40 | 66 | 71 |
| MI | 2 | 0 | 17 | 22 |
| MN | 15 | 4 | 14 | 15 |
| MO | 67 | 47 | 27 | 54 |
| NE | 36 | 7 | 7 | 44 |
| NC | 94 | 86 | 93 | 92 |
| OH | 4 | 0 | 27 | 42 |
| PA | 35 | 15 | 30 | 23 |
| SD | 0 | 0 | 0 | 17 |
| TX | 95 | 82 | 85 | 81 |
| WI | 1 | 0 | 15 | 21 |
| ALL | 23 | 11 | 24 | 42 |

These 17 States produced 91% of the 1995 corn crop.

| Peanuts Percent Pegging | | | | |
|-------------------------|----------------|--------------|--------------|-------------|
| | Jul 21 1996 | Prev Week | Prev Year | 5-Yr Avg |
| AL | 92 | 71 | 75 | 72 |
| FL | 99 | 98 | NA | NA |
| GA | 92 | 84 | 97 | 93 |
| NC | 75 | 40 | NA | NA |
| OK | 95 | 88 | 58 | 56 |
| SC | 76 | 63 | 0 | 0 |
| TX | 63 | 50 | NA | NA |
| VA | 80 | 57 | NA | NA |
| ALL | 85 | 71 | 86 | 83 |

These 8 States produced 99% of the 1995 peanut crop.

| Rice Percent Headed | | | | |
|---------------------|----------------|--------------|--------------|-------------|
| | Jul 21 1996 | Prev Week | Prev Year | 5-Yr Avg |
| AR | 24 | 20 | 10 | 15 |
| CA | 3 | 0 | 1 | 0 |
| LA | 60 | 47 | 58 | 62 |
| MS | 48 | 20 | 36 | 27 |
| TX | 86 | 71 | 70 | 62 |
| ALL | 37 | 27 | 27 | 28 |

These 5 States produced 96% of the 1995 rice crop.

| Spring Wheat Percent Headed | | | | |
|-----------------------------|----------------|--------------|--------------|-------------|
| | Jul 21 1996 | Prev Week | Prev Year | 5-Yr Avg |
| ID | 95 | 83 | 87 | 88 |
| MN | 87 | 68 | 96 | 98 |
| MT | 90 | 71 | 88 | 88 |
| ND | 81 | 55 | 59 | 86 |
| SD | 93 | 87 | 94 | 98 |
| ALL | 85 | 64 | 75 | 89 |

These 5 States produced 96% of the 1995 spring wheat crop.

| Sorghum Crop Condition by Percent | | | | | |
|-----------------------------------|----|----|----|----|----|
| | VP | P | F | G | EX |
| AR | 6 | 16 | 34 | 38 | 6 |
| CO | 0 | 4 | 17 | 68 | 11 |
| IL | 5 | 11 | 44 | 38 | 2 |
| KS | 0 | 4 | 26 | 54 | 16 |
| LA | 0 | 1 | 29 | 61 | 9 |
| MS | 3 | 13 | 29 | 48 | 7 |
| MO | 2 | 7 | 31 | 51 | 9 |
| NE | 0 | 3 | 33 | 52 | 12 |
| NM | 3 | 35 | 33 | 29 | 0 |
| OK | 0 | 2 | 16 | 81 | 1 |
| SD | 0 | 0 | 23 | 67 | 10 |
| TX | 6 | 13 | 38 | 33 | 10 |
| ALL | 2 | 8 | 31 | 47 | 12 |
| Prev Wk | 4 | 6 | 27 | 53 | 10 |
| Prev Yr | 2 | 7 | 34 | 50 | 7 |

| Oats Crop Condition by Percent | | | | | |
|--------------------------------|----|----|----|----|----|
| | VP | P | F | G | EX |
| IA | 0 | 3 | 24 | 61 | 12 |
| MI | 2 | 14 | 32 | 43 | 9 |
| MN | 1 | 6 | 29 | 58 | 6 |
| NE | 0 | 4 | 21 | 56 | 19 |
| ND | 0 | 6 | 24 | 61 | 9 |
| OH | 3 | 11 | 51 | 33 | 2 |
| PA | 0 | 6 | 23 | 61 | 10 |
| SD | 0 | 1 | 19 | 70 | 10 |
| WI | 0 | 7 | 20 | 61 | 12 |
| ALL | 0 | 5 | 25 | 60 | 10 |
| Prev Wk | 1 | 6 | 26 | 57 | 10 |
| Prev Yr | NA | NA | NA | NA | NA |

| Peanuts Crop Condition by Percent | | | | | |
|-----------------------------------|----|----|----|----|----|
| | VP | P | F | G | EX |
| AL | 0 | 2 | 31 | 61 | 6 |
| FL | 0 | 0 | 25 | 58 | 17 |
| GA | 1 | 9 | 38 | 46 | 6 |
| NC | 0 | 1 | 6 | 85 | 8 |
| OK | 0 | 8 | 34 | 49 | 9 |
| SC | 6 | 4 | 41 | 47 | 2 |
| TX | 3 | 11 | 39 | 44 | 3 |
| VA | 0 | 0 | 10 | 30 | 60 |
| ALL | 1 | 6 | 31 | 52 | 10 |
| Prev Wk | 1 | 6 | 34 | 50 | 9 |
| Prev Yr | NA | NA | NA | NA | NA |

| Barley Crop Condition by Percent | | | | | |
|----------------------------------|----|----|----|----|----|
| | VP | P | F | G | EX |
| ID | 0 | 3 | 11 | 60 | 26 |
| MN | 1 | 5 | 40 | 48 | 6 |
| MT | 4 | 15 | 35 | 40 | 6 |
| ND | 0 | 3 | 19 | 65 | 13 |
| SD | 0 | 2 | 20 | 70 | 8 |
| WA | 3 | 12 | 32 | 42 | 11 |
| ALL | 1 | 7 | 25 | 55 | 12 |
| Prev Wk | 1 | 5 | 26 | 54 | 14 |
| Prev Yr | NA | NA | NA | NA | NA |

| Rice Crop Condition by Percent | | | | | |
|--------------------------------|----|---|----|----|----|
| | VP | P | F | G | EX |
| AR | 0 | 3 | 16 | 59 | 22 |
| CA | 0 | 0 | 10 | 80 | 10 |
| LA | 0 | 3 | 30 | 58 | 9 |
| MS | 5 | 6 | 37 | 48 | 4 |
| TX | 0 | 5 | 20 | 42 | 33 |
| ALL | 0 | 3 | 20 | 60 | 17 |
| Prev Wk | 0 | 3 | 14 | 66 | 17 |
| Prev Yr | 0 | 2 | 21 | 59 | 18 |

| Spring Wheat Crop Condition by Percent | | | | | |
|--|----|----|----|----|----|
| | VP | P | F | G | EX |
| ID | 0 | 2 | 8 | 55 | 35 |
| MN | 1 | 6 | 38 | 50 | 5 |
| MT | 1 | 14 | 40 | 41 | 4 |
| ND | 1 | 3 | 25 | 61 | 10 |
| SD | 0 | 4 | 23 | 51 | 22 |
| ALL | 1 | 6 | 30 | 53 | 10 |
| Prev Wk | 1 | 6 | 28 | 55 | 10 |
| Prev Yr | 1 | 6 | 28 | 54 | 11 |

(Continued on back cover)

State Agricultural Summaries

These summaries, issued weekly through the summer growing season, 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. The crop weather reports are also available on the Internet through the NASS Home Page on the World Wide Web at <http://www.usda.gov/nass/> or from JAWF at <http://www.usda.gov/oc/waob/jawf>.

ALABAMA: Days suitable for fieldwork 5.5. Topsoil 1% very short, 24% short, 73% adequate, 2% surplus. Corn 60% dented, 62% 1995, 51% avg.; 23% mature, 28% 1995, 20% avg.; 1% very poor, 19% poor, 38% fair, 37% good, 5% excellent. Livestock 4% poor, 42% fair, 50% good, 4% excellent. Beneficial rains helped improve row crop conditions. Dry pockets remain in a few localities.

ALASKA: Most crop growing areas remain dry, with only light showers received in isolated locations. Days available for haying activities 5. Topsoil 35% short, 65% adequate. Subsoil 50% short, 50% adequate. Hay harvest was 80% completed with 55% in 1995. Height of second crop timothy, brome ranged from 2 to 8 inches. Barley 15% poor, 50% fair, 35% good; 95% in dough or earlier, with 5% turning color. Oats 100% in dough or earlier. Commercial potatoes were 10% in bloom compared with 30% a year ago. Commercial vegetable harvest continues.

ARIZONA: Use of insect growth regulators on State cotton reported working well. Cotton setting bolls 84%, 66% 1995, 82% avg. Small grain harvest 100%, 100% 1995, 100% avg. Alfalfa harvest 7% moderate, 49% active, 44% not being harvested. Condition 4% fair, 59% good, 37% excellent. Vegetables shipped from central areas included watermelon, cantaloupe, honeydew, specialty melons, carrots, green onions. Eastern growers continued to harvest small amounts of dry onions, tomatoes. Table grape harvest continued in central vineyards.

ARKANSAS: Days suitable for fieldwork 6. Soil moisture 54% short, 43% adequate, 3% surplus. Temperatures below normal with widespread rainfall early in the week with above-normal temperatures later. Main farm activities: Planting soybeans, cultivating, irrigating, fertilizing cotton, fertilizing, and scouting rice fields, irrigating corn and sorghum, harvesting hay. Soybean cultivation continued in several counties. Faulkner County reported some soybean fields were treated for garden web worms. Some soybean fields were also being replanted due to lose stands from seeding disease caused by hot weather in Faulkner County. Cotton cultivation, irrigation, fertilization were reported by many counties. Rice fields were being treated for sheath blight in many counties. Sheath blight in rice was reported in Lonoke, Faulkner, and Craighead Counties. Fertilization of rice fields was reported by several counties. Corn, sorghum irrigation continued in numerous counties. Sorghum was treated for bollworms in Lafayette County. Wheat harvest was completed. Grape harvest began in White County. Tomato harvest on going in Cleburne County. Warren Tomato Market was closed for the year. Volume was down considerably from last year. Watermelon, cantaloupe harvest continued in Crawford and Hempstead Counties. Livestock were in good condition statewide. Hay harvest continued. Pasture weeds were being brush-hogged. Producers were spraying cattle for flies across the State.

CALIFORNIA: Field activities made rapid progress. Grain harvest of wheat, barley, oats was virtually complete, except at higher elevations. Small grain stubble was baled for straw or burned. Corn, cotton, rice, safflower showed excellent growth as temperatures rose. Cotton was treated for aphids, lygus, and mites in the San Joaquin Valley; pink bollworm and whitefly in the Imperial Valley. Some San Joaquin Valley fields were sprayed with growth regulators to force bolls open. Rice fields were sprayed for broadleaf weeds. Sugar beet harvest was ongoing in central, southern counties. Garbanzo bean harvest continued in Fresno, Kings Counties. Blackeye bean

fields were treated for mites. Safflower was blooming and heading in central, northern counties; drying for harvest in southern counties. Corn was harvested for silage in the San Joaquin Valley. Alfalfa hay fields were sprayed for aphids, armyworms, and lygus. Alfalfa, sudangrass were cut for hay or green chopped. Normal cultural practices continued in vineyards, orchards. Harvest of table grapes continued in the Central Valley. Perlettes, Flame Seedless, Superior Seedless were the primary varieties harvested. The Thompson Seedless grape harvest was underway in Kern County. Harvesting of nectarines, plums, freestone, clingstone peaches was active. Apple harvest continued in the San Joaquin Valley. Gala, Golden Delicious variety apples were picked. Almond crop was progressing normally. Some orchards were sprayed for mites, peach twig borer, or navel orange worm. Hulls were beginning to split. Walnuts were sprayed for codling moth and mites. Shinsui variety Asian pears were harvested in the San Joaquin Valley. Valencia orange harvest continued at a slow pace. Lemon, grapefruit harvesting continued. Broccoli, cauliflower were harvested in Monterey, San Luis Obispo Counties. Garlic was harvested in Kings, San Benito Counties. Fresh market tomato harvest continued in the San Joaquin Valley. Processing tomatoes were being actively harvested in southern, central State; harvest was underway in northern State. Harvest of yellow onions was winding down, and the harvest of red onions was complete. Some Fresno County strawberry fields were fumigated in preparation for planting. Bell pepper harvesting continued in the San Joaquin Valley. Cantaloupe, honeydew melons were harvested. Squash harvesting continued in Kings County. Ground preparation for fall crop planting was active in Imperial County. In southern, central areas the potato harvest was active. Other crops harvested included: parsley, eggplant, green onions, carrots, sweet corn, green beans. Pasture, range conditions varied depending on location, elevation. Hot weather stressed livestock, dried out vegetation. Supplemental feeding increased as forage availability, quality declined. Livestock were in good condition.

COLORADO: Days suitable for fieldwork 5.1. Topsoil 2% very short, 23% short, 71% adequate, 4% surplus. Subsoil 5% very short, 22% short, 70% adequate, 3% surplus. Spring barley 92% turning color, 21% 1995, 38% avg.; 5% harvested, 1% 1995, 5% avg.; 6% poor, 19% fair, 54% good, 21% excellent. Oats 95% headed, 82% 1995, 88% avg.; 51% turning color, 36% 1995, 53% avg.; 25% harvested, 5% 1995, 14% avg.; 1% very poor, 4% poor, 23% fair, 56% good, 16% excellent. Dry onions 2% poor, 9% fair, 54% good, 35% excellent. Spring wheat 97% headed, 81% 1995, 83% avg.; 54% turning color, 13% 1995, 20% avg.; 6% poor, 19% fair, 64% good, 11% excellent. Winter wheat 97% ripe, 73% 1995, 90% avg. Sugar beets 1% very poor, 2% poor, 38% fair, 34% good, 25% excellent. Summer potatoes 5% harvested, 0% 1995, 0% avg.; 5% poor, 5% fair, 48% good, 42% excellent. Fall potatoes 4% poor, 15% fair, 69% good, 12% excellent. Dry beans 44% flowered, 1% 1995, 4% avg.; 4% poor, 13% fair, 59% good, 24% excellent. Alfalfa hay 41% second cutting, 17% 1995, 31% avg.; 3% poor, 23% fair, 58% good, 16% excellent.

DELAWARE: Days suitable for fieldwork 3.7. Topsoil 75% adequate, 25% surplus. Subsoil 80% adequate, 20% surplus. Winter wheat 95% harvested, 99% 1995, 98% avg. Corn 3% poor, 18% fair, 60% good, 19% excellent; 37% silked, 65% 1995, 63% avg.; 6% dough, 6% 1995, 6% avg. Sorghum 2% fair, 88% good, 10% excellent; 11% headed, 4% 1995, 5% avg. Soybeans 3% poor, 14% fair, 67% good, 16% excellent; 9% bloomed, 25% 1995, 23% avg. Sweet corn 22% harvested, 19% 1995, 27% avg. Potatoes

21% harvested, 31% 1995, 21% avg. Tomatoes 9% harvested, 6% 1995, 11% avg. Cantaloupe 6% harvested, 10% 1995, 21% avg. Apples 7% fair, 93% good. Peaches 7% fair, 93% good; 18% harvested, 18% 1995, 22% avg. Range, pasture 17% fair, 80% good, 3% excellent. Alfalfa hay 81% second cutting, 99% 1995, 93% avg.; 10% third cutting, 19% 1995, 15% avg. Other hay 63% second cutting, 87% 1995, 65% avg. Hay supplies 3% very short, 15% short, 74% adequate, 8% surplus.

FLORIDA: Topsoil 9% very short to short, 66% adequate, 25% surplus. Subsoil 6% short, 72% adequate, 22% surplus. Hay drying difficult in some areas due to high humidity. Peanuts 58% good, 17% excellent, 25% fair. Cotton, corn, soybeans good to excellent, many Panhandle, Big Bend, north-central localities. Tomato transplanting began in Gadsden County with some fields transplanted by hand due to wet soils. Land preparations for fall vegetable plantings gaining momentum, southern Peninsula. Southwestern growers to start laying plastic over next few days. Hot weather, very little cooling rain, some irrigating in citrus areas. A little leaf curl, some wilt but not a big problem. New crop fruit doing well. There is an abundance of new growth on most citrus trees. Valencia harvest is over for the year. Caretakers cutting cover crops, spraying, fertilizing, pushing, burning dead trees, replanting resets. Pasture feed fair 20%, good 55%, excellent 25%. Condition of cattle herds fair 20%, good 60%, excellent 20%.

GEORGIA: Days suitable for fieldwork 5.5. Soil moisture 17% very short, 38% short, 42% adequate, 3% surplus. Corn 88% dough, 97% 1995, 93% avg.; 59% dent, 83% 1995, 75% avg.; 16% mature, 38% 1995, 28% avg. Hay 4% very poor, 15% poor, 46% fair, 33% good, 2% excellent. Peanuts 99% blooming, 99% 1995, 99% avg. Sorghum 5% very poor, 10% poor, 43% fair, 42% good; 99% planted, 99% 1995, 99% avg. Soybeans 12% setting pods, 16% 1995, 12% avg. Tobacco 2% poor, 24% fair, 62% good, 12% excellent; 37% harvested, 51% 1995, 43% avg. Watermelons 3% very poor, 19% poor, 37% fair, 37% good, 4% excellent; 88% harvested, 93% 1995, 87% avg. Apples 2% very poor, 2% poor, 4% fair, 92% good, 0% excellent. Peaches 91% very poor, 4% poor, 3% fair, 2% good, 0% excellent; 84% harvested, 91% 1995, 89% avg. Pecans 1% very poor, 10% poor, 42% fair, 39% good, 8% excellent. Soil moisture slightly improved, showers scattered during week. Insect damage in soybeans drier areas. Cotton boll worms a problem few areas. Irrigating very active. Activities: Weed, insect control, cultivating fields, spraying peanut fungicides and herbicides, cropping tobacco, completing melon, pepper, other vegetable harvest.

HAWAII: Partly cloudy skies with daily showers over windward areas. Temperatures, humidity on high side for much of the week. Crop progress, condition fair to good. Papaya and banana production moderate to heavy. Watermelon harvesting active. Head cabbage production heavy. Cucumber production increasing.

IDAHO: Days suitable for fieldwork 6.5. Topsoil 2% very short, 39% short, 58% adequate, 1% surplus. Potatoes 12 in. high 93%, 84% 1995, 92% avg. Potatoes closing middles 79%, 60% 1995, 63% avg.; 6% fair, 68% good, 26% excellent. Winter wheat 1% poor, 16% fair, 52% good, 31% excellent; turning color 84%, 70% 1995, 70% avg. Spring wheat turning color 44%, 25% 1995, 33% avg. Barley turning color 32%, 27% 1995, 35% avg. Alfalfa hay 1st cutting 98%, 97% 1995, 98% avg.; 2nd cutting 26%, 20% 1995, 26% avg. Cherries harvested 92%, 98% 1995, 94% avg. Dry peas harvested 3%, 2% 1995, 4% avg. Mint harvested 4%, 7% 1995, 15% avg. Pasture feed, range 3% poor, 25% fair, 53% good, 19% excellent. Irrigation water supply 2% fair, 51% good, 47% excellent. Activities: Irrigating row crops, inspecting, spraying potatoes for late blight, preparing for grain harvest, harvesting alfalfa hay, mint, green peas.

ILLINOIS: Days suitable for fieldwork 5.5. Topsoil 21% very short, 34% short, 32% adequate, 13% surplus. Heavy rains in the northern districts last week flooded crops in low-lying areas. Timely rains, scattered throughout the rest of the State, resulted in localized improvement in crop conditions. There were reports of heat stress appearing in both corn, soybeans in the central, southern districts. Heat stress in livestock was also beginning to appear in the southern districts. Wheat harvest was winding down and is now at 93% complete, 82% 1995, 98% avg. Activities included spraying chemicals, cultivating, mowing, caring for livestock. Soybeans 19% blooming, 28% 1995, 60% avg. Soybeans 2% setting pods, 3% 1995, 22% avg. Sorghum 1% headed, 2% 1995, 18% avg. Winter wheat 98% ripe, 100% 1995, 100% avg. Oats 90% filled, 94% 1995, 97% avg.; 66% turning yellow, 82% 1995, 88% avg.; 22% ripe, 42% 1995, 63% avg.; 3% harvested, 18% 1995, 34% avg.; 8% very poor, 59% poor, 30% fair, 3% good. Alfalfa 48% 2nd cutting, 64% 1995, 73% avg.; 3% 3rd cutting, 4% 1995, 9% avg.; very poor, 38% poor, 43% fair, 11% good, 2% excellent. Red clover 98% cut, 98% 1995, 97% avg.

INDIANA: Days suitable for fieldwork 4.3. Topsoil 5% very short, 16% short, 51% adequate, 28% surplus. Subsoil 2% very short, 18% short, 60% adequate, 20% surplus. Recent precipitation has spurred growth, development of corn, soybeans, forage crops. Winter wheat harvest 28% complete north, 82% complete central, virtually complete in the south. Some farmers disappointed with winter wheat yields. Second cutting of alfalfa hay 42% complete, 58% 1995, 64% avg. Oat harvest is underway. Activities: Spraying, repair of spring tillage, planting equipment, cultivating corn, mowing fence rows, care of livestock, baling hay, 4-H fair activities.

IOWA: Days suitable for fieldwork 5.4. Topsoil 9% very short, short 28%, adequate 55%, surplus 8%. Subsoil 2% very short, short 22%, adequate 69%, surplus 7%. Corn, soybean crops entering a very critical phase of development-pollination, some parts of the State, last week's rains could not have come at a better time. However, several reporters, in the northern three districts, south-central, southeast districts mentioned that crops in their areas need a good rain before pollination begins. There were several reports of grasshoppers, corn borers, cut worms, army worms damaging corn, soybeans, alfalfa hay. Storms that moved through the State last week caused some flooding, crop damage in the west-central district. Corn tasseled 13%, 25% 1995, 51% avg. Oats turning color 86%, 92% 1995, 90% avg. Alfalfa hay 2nd harvest 39%, 46% 1995, 47% avg.; clover hay 1st harvest 95%, 94% 1995, 91% avg.; 2nd harvest 5%, 9% 1995, 21% avg.; hay 2% very poor, 10% poor, 33% fair, 46% good, 9% excellent. Winter wheat harvested 69%, 75% 1995, 61% avg. Livestock in fair to good condition. Flies, consequently, pink eye remain a problem, especially in the southern districts. Heat, high humidity caused a few deaths in livestock last week. Heat also caused stress on sows that were farrowing. Several reporters mentioned that pastures are short and are in need of rain.

KANSAS: Days suitable for fieldwork 5.9. Topsoil 5% very short, 36% short, 58% adequate, 1% surplus. Subsoil 6% very short, 28% short, 65% adequate, 1% surplus. Wheat harvest is complete in all districts except the north-west, west-central, north-central. Hot weather, little precipitation are stressing fall crops in many areas. Insect pressure is beginning to intensify. Common reported insects include grasshoppers, chinch bugs, spider mites, corn borers. Feed grain supplies are 35% short, hay 18% short. Alfalfa cut the second time 97% complete, 87% 1995, 85% avg. Alfalfa cut the third time 27% complete, 8% 1995, 16% avg. Activities: Harvesting wheat, baling hay, tilling wheat stubble, fall crop weed control.

KENTUCKY: Days suitable for fieldwork 4.6. Topsoil 3% very short, 17% short, 74% adequate, 6% surplus. Subsoil 2% very short,

19% short, 70% adequate, 9% surplus. Tobacco 2% very poor, 12% poor, 41% fair, 40% good, 5% excellent. Corn, soybean generally good. Hay 1% very poor, 9% poor, 39% fair, 43% good, 8% excellent. Pasture feed 1% very poor, 9% poor, 29% fair, 52% good, 9% excellent. Weekend showers brought needed moisture. Burley tobacco 22% bloomed, dark tobacco 41% bloomed.

LOUISIANA: Days suitable for fieldwork 4.6. Soil moisture 1% very short, 19% short, 66% adequate, 14% surplus. Corn 7% poor, 24% fair, 57% good, 12% excellent; 97% dough, 93% 1995, 91% avg.; 44% mature, 40% 1995, 38% avg.; 5% harvested, 2% 1995, 1% avg. Little progress was made on corn harvesting due to wet conditions. Preliminary yields looked encouraging though. Cotton, insect pressure on cotton remained relatively light. Hay 98% first cutting, 100% 1995, 93% avg.; 34% second cutting, 34% 1995, 15% avg. Hay cutting was stopped by rains. Peaches 75% harvested, 65% 1995, 78% avg. Rice 10% ripe, 12% 1995, 12% avg.; 1% harvested, 5% 1995, 4% avg. Few rice growers began harvesting, progress was hindered by wet conditions. Sorghum 23% turning, 25% 1995, 19% avg.; 0% ripe, 3% 1995, 2% avg. Soybeans 100% emerged, 100% 1995, 98% avg.; 44% setting pods, 36% 1995, 19% avg. Sugarcane 2% very poor, 6% poor, 29% fair, 47% good, 16% excellent. Sugarcane producers were applying lime to fallow fields, making rows for fall planting. Sweetpotatoes 100% planted, 100% 1995, 97% avg.; 0% harvested, 0% 1995, 1% avg. sweetpotato farmers were preparing for harvest. Livestock 7% poor, 33% fair, 54% good, 6% excellent. Vegetables 2% very poor, 13% poor, 41% fair, 41% good, 3% excellent. Pasture feed 6% poor, 34% fair, 50% good, 10% excellent. Pasture growth picked up with added moisture.

MARYLAND: Days suitable for fieldwork 3.4. Topsoil 1% short, 58% adequate, 41% surplus. Subsoil 77% adequate, 23% surplus. Winter wheat 93% harvested, 89% 1995, 94% avg. Rye 84% harvested, 79% 1995, 87% avg. Corn 2% poor, 14% fair, 48% good, 36% excellent; 47% silked, 56% 1995, 52% avg.; 7% dough, 6% 1995, 7% avg. Soybeans 5% poor, 14% fair, 47% good, 34% excellent; 12% bloomed, 19% 1995, 20% avg. Tobacco 3% poor, 12% fair, 73% good, 12% excellent; 24% bloomed, 43% 1995, 23% avg. Sorghum 2% very poor, 2% poor, 17% fair, 44% good, 35% excellent. Sweet corn 27% harvested, 24% 1995, 30% avg. Potatoes 20% harvested, 40% 1995, 34% avg. Cantaloupe 30% harvested, 29% 1995, 29% avg. Tomatoes 13% harvested, 24% 1995, 22% avg. Watermelon 8% harvested, 17% 1995, 17% avg. Alfalfa hay 69% 2nd cutting, 83% 1995, 89% avg.; 18% 3rd cutting, 13% 1995, 16% avg. Other hay 41% second cutting, 55% 1995, 53% avg. Hay supplies 7% very short, 7% short, 77% adequate, 9% surplus. Apples 2% poor, 15% fair, 66% good, 17% excellent. Peaches 1% very poor, 4% poor, 13% fair, 61% good, 21% excellent; 11% harvested, 9% 1995, 17% avg. Activities: Cutting hay, harvesting wheat, vegetables. A lot of field activity kept to a minimum due to heavy precipitation.

MICHIGAN: Days suitable for fieldwork were 6.0. Most reported adequate to short soil moisture. Southern half of the Lower Peninsula is in need of rain soon. Topsoil 17% very short, 41% short, 39% adequate, 3% surplus. Subsoil 12% very short, 39% short, 47% adequate, 2% surplus. Corn, height 40 in., 57 in. 1995, 57 in. avg.; dry beans, blooming 1%, 20% 1995, 21% avg.; all hay, second cutting 35%, 40% 1995, 38% avg.; all hay 4% very poor, 9% poor, 36% fair, 42% good, 9% excellent. Wheat, turning yellow 98%, 95% 1995, 95% avg. Pasture feed 2% very poor, 14% poor, 38% fair, 38% good, 8% excellent.

MINNESOTA: Days suitable for fieldwork 5.7. Topsoil 7% very short, 36% short, 51% adequate, 6% surplus. Corn 58 in. height, 62 in. 1995, 56 in. avg.; 15% tasseled, 14% 1995, 15% avg. Soybeans 17 in. height, 18 in. 1995, 19 in. avg.; 44% blooming, 49% 1995, 49% avg.; 5% setting pods, 8% 1995, 10% avg. Spring wheat 87% heading, 96% 1995, 98% avg.; 23% turning ripe, 26% 1995, 38%

avg. Oats 99% heading, 98% 1995, 98% avg.; turning ripe 36%, 49% 1995, 59% avg. Barley 88% heading, 97% 1995, 98% avg.; 22% turning ripe, 28% 1995, 45% avg. Pasture feed 1% very poor, 14% poor, 41% fair, 40% good, 4% excellent. Oats 1% very poor, 6% poor, 29% fair, 58% good, 6% excellent. Barley 1% very poor, 5% poor, 40% fair, 48% good, 6% excellent. Corn 1% very poor, 6% poor, 30% fair, 54% good, 9% excellent. Spring wheat 1% very poor, 6% poor, 38% fair, 50% good, 5% excellent. Dry beans 2% very poor, 8% poor, 40% fair, 44% good, 6% excellent. Soybeans 1% very poor, 7% poor, 37% fair, 49% good, 6% excellent. Sunflowers 1% very poor, 7% poor, 39% fair, 45% good, 8% excellent.

MISSISSIPPI: Days suitable for fieldwork 5.4. Soil moisture 9% very short, 37% short, 49% adequate, 5% surplus. Corn 98% silked, 98% 1995, 94% avg.; 79% dough, 77% 1995, 69% avg.; 46% dent, 38% 1995, 32% avg.; 5% mature, 2% 1995, 6% avg.; 20% silage harvested, 6% 1995, 15% avg.; 4% very poor, 10% poor, 32% fair, 44% good, 10% excellent. Soybeans 74% blooming, 60% 1995, 38% avg.; 46% setting pods, 29% 1995, 14% avg.; 4% very poor, 8% poor, 34% fair, 43% good, 11% excellent. Peaches 85% harvested, 57% 1995, 77% avg.; 41% very poor, 46% poor, 6% fair, 6% good, 1% excellent. Sweetpotatoes 99% planted, 100% 1995, 100% avg.; 9% poor, 11% fair, 42% good, 38% excellent. Watermelons 65% harvested, 69% 1995, 53% avg.; 9% poor, 38% fair, 49% good, 4% excellent. Blueberries 16% very poor, 14% poor, 51% fair, 16% good, 3% excellent. Cattle 2% very poor, 7% poor, 31% fair, 53% good, 7% excellent. Pasture feed 4% very poor, 16% poor, 33% fair, 43% good, 4% excellent. Main farming: Irrigating fields, controlling insects, harvesting corn silage. Showers improved pasture, hay field conditions, solid rain is still needed in most areas. Cattlemen are fighting the effects of heat stress on their animals.

MISSOURI: Days suitable for fieldwork 6.3. Topsoil 11% very short, 45% short, 42% adequate, 2% surplus. Subsoil 6% very short, 36% short, 57% adequate, 1% surplus. Row crops in most areas holding in fair to good condition, late weekend rains will be of major benefit. Corn silking ranges from 26% northeastern district to over 60% in all other districts, virtually complete in southern third of State. Corn in dough ranges from 4% northeast to 54% southeast. Soybeans blooming ranges from 18% northeast to nearly 50% west-central, central districts. Sorghum heading ranges 5% northeastern, east-central districts to 28% southeast. Oats harvested 66%, 67% 1995, 68% avg. Alfalfa second cutting 72%, 61% 1995, 71% avg. Other hay cut 87%, 80% 1995, 84% avg. Pasture feed, range 4% very poor, 19% poor, 49% fair, 27% good, 1% excellent.

MONTANA: Days suitable for fieldwork 6.2. Topsoil 23% very short, 52% short, 25% adequate. Subsoil 14% very short, 50% short, 36% adequate. Crop conditions fell some from last week. First cutting alfalfa nearly complete, second cutting just beginning. Winter wheat 4% very poor, 12% poor, 37% fair, 41% good, 6% excellent; 66% turning, 65% 1995, 74% avg.; 6% ripe, 3% 1995, 7% avg. Oats 2% very poor, 15% poor, 41% fair, 37% good, 5% excellent; 90% headed, 84% 1995, 88% avg.; 6% turning, 16% 1995, 21% avg. First cutting alfalfa 94% complete, 74% 1995, 77% avg.; 2nd cutting 6% complete, 1% 1995, 4% avg. First cutting other hay 73% complete, 57% 1995, 60% avg.

NEBRASKA: Days suitable for fieldwork 5.8. Topsoil 9% very short, 37% short, 50% adequate, 4% surplus. Subsoil 3% very short, 34% short, 60% adequate, 3% surplus. Wheat 90% ripe, 72% 1995, 90% avg.; 52% harvested, 48% 1995, 63% avg. Damp weather is resulting in extra weed growth which is becoming a problem in some fields. Corn 36% silked, 7% 1995, 44% avg. Areas hit by storms reported some damage to crops, buildings. Soybeans 37% blooming, 18% 1995, 44% avg.; weed control activities continued. Alfalfa 6% poor, 35% fair, 47% good, 12% excellent; 69% 2nd cutting, 57% 1995, 62% avg. Wild hay 2% poor, 25% fair, 59% good, 14%

excellent; harvest active. Pasture, range condition 5% poor, 38% fair, 49% good, 8% excellent; some reports indicated that dry conditions were beginning to affect pasture conditions; rain is needed to maintain growth. Activities; weed control, irrigating crops, cutting alfalfa, native hay.

NEVADA: Grain acreage continued to mature rapidly, harvest began to progress northward. All winter wheat acreage was at the dough stage or beyond, 95% had turned color, 15% of the acreage was harvested. Spring wheat was 85% dough, 45% turned, 10% harvested. Oats 80% dough, 35% turned, 15% harvested. Barley 90% dough, 50% turned, 25% harvested. Condition ratings for small grains remained mostly good to excellent. Barley, oats harvests were complete extreme south, second crop sudan was being planted. Thunderstorms caught some second cutting hay in the field northwest. Alfalfa first cutting was complete statewide, 2nd cutting 30% complete, 3rd cutting 15% complete. Other hay harvest 65% complete. Potatoes, onions in good condition. Garlic topping to commence soon. Supplies of irrigation water 15% short, 85% adequate. Range, pasture feed condition declining seasonally. Drought forcing livestock movement in Lincoln County. Main farm and ranch activities: Haying, grain harvest, irrigating, spraying for weeds and insects, planting sudan grass.

NEW ENGLAND: Days suitable for fieldwork 4.5. Topsoil 1% short, 45% adequate, 54% surplus. Subsoil 1% short, 48% adequate, 51% surplus. Pasture feed 1% poor, 16% fair, 72% good, 11% excellent. Maine potatoes condition excellent/good. Massachusetts potatoes condition good/fair. Rhode Island potatoes condition good. Maine oats condition excellent. Maine barley condition excellent. Field corn 100% emerged, 100% 1995, 100% avg.; condition good/fair. Sweet corn 100% emerged, 100% 1995, 100% avg.; 5% harvested, 10% 1995, 10% avg.; condition good. Shade tobacco 5% harvested, 20% 1995; condition good/excellent. Broadleaf tobacco 100% planted, 100% 1995, <5% harvested 1995; condition good. First hay 85% harvested, 99% 1995, 95% avg.; condition good/fair. Second hay 20% harvested, 20% 1995, 25% avg.; condition good. Apples, peaches, pears set and size average; condition good. Strawberries 85% harvested, 99% 1995; set and size average; condition good. Cranberries at petal fall; size and set average; condition good. Highbush blueberries 10% harvested, 25% 1995; set and size average; condition good. Wild blueberries set and size above average; condition good/fair. Week brought some much needed warm weather but tropical storm Bertha last weekend left many fields with standing water and some rivers overflowing. Farmers are continuing to harvest first cut hay, second cut hay, some scattered areas, farmers are beginning to harvest third cut hay. Major farm activities: Picking strawberries, cultivating row crops, spraying fungicides, applying pesticides, mowing orchards; harvesting continues for raspberries, blueberries, lettuce, summer squash, peas, zucchini, cabbage, tobacco, green beans, cucumbers. Extra soil moisture has put farmers on the alert for mold and insects.

NEW JERSEY: Days suitable for fieldwork 5. Topsoil mostly surplus. Farmers are busy harvesting, cultivating, spraying. Blueberry harvest in nearing completion. Wheat combining remains active as weather permits. Hay making active. Planting of double crop soybeans reported. Pasture conditions are very good.

NEW MEXICO: Days suitable for fieldwork 6.3. Soil moisture 13% very short, 54% short, 28% adequate, 5% surplus. Typical mid-July weather produced scattered afternoon, evening thunderstorms with nearly all weather stations reporting some measurable precipitation. Corn 1% poor, 20% fair, 64% good, 15% excellent. Cotton 8% poor, 18% fair, 64% good, 10% excellent; cotton setting bolls reported at 82%, 36% 1995, 40% avg. Sorghum 3% very poor, 35% poor, 33% fair, 29% good. Alfalfa 4% poor, 18% fair, 74% good, 4% excellent; second cutting 90% complete, third cutting 61% complete. Chile 13% fair, 80% good, 7% excellent. Onion harvest continues to be slowed

due to rain with 68% completed; 4% fair, 91% good, 5% excellent. Pecans 19% fair, 73% good, 8% excellent. Wheat harvest is virtually complete. Cattle 3% very poor, 14% poor, 40% fair, 38% good, 5% excellent; sheep 6% very poor, 21% poor, 38% fair, 35% good.

NEW YORK: Days suitable for fieldwork 5.5. Soil moisture 22% adequate, 78% surplus. Pasture feed 11% fair, 68% good, 21% excellent. Corn 50% fair, 25% good, 25% excellent. Hay 25% fair, 50% good, 25% excellent. Alfalfa second cutting 19% complete, 48% 1995, 30% avg. Harvest in high gear as weather permits. Vegetable harvest gained momentum. Insect, disease pressures high. Crops in good condition, most could use warmer weather. Apple condition good. Hand thinning continued. Tart cherry harvest underway.

NORTH CAROLINA: Days suitable for fieldwork 5.4. Soil moisture 11% very short, 22% short, 49% adequate, 18% surplus. Irish potatoes 85% harvested, 84% 1995, 89% avg. Hay 2nd cutting 60%, 48% 1995, 51% avg.; 3rd cutting 13%, 8% 1995, 12% avg. Crop condition: Tobacco 5% very poor, 15% poor, 30% fair, 43% good, 7% excellent; hay 5% very poor, 16% poor, 43% fair, 35% good, 1% excellent; sweet potatoes 1% very poor, 3% poor, 7% fair, 85% good; 4% excellent; apples 7% poor, 36% fair, 52% good; 5% excellent; peaches 59% very poor, 16% poor, 12% fair, 13% good; truck crops 6% very poor, 7% poor, 19% fair, 66% good, 2% excellent. Activities included: Repairing storm damage; cultivating crops; spraying for insects and weed control; harvesting and topping flue-cured tobacco; cutting and baling hay; pasture maintenance; tending livestock; repairing equipment, general farm maintenance.

NORTH DAKOTA: Days suitable for fieldwork 5. Scattered thunderstorms brought heavy rains to many area of the State, leaving standing water in some fields. Topsoil 2% very short, 21% short, 66% adequate, 11% surplus. Subsoil 1% very short, 24% short, 64% adequate, 11% surplus. Crop spraying helped control orange wheat blossom midge populations. Durum 15% milk and beyond; 7% 1995; 36% avg. Late season crop development: Canola 91% blooming and beyond; flaxseed 42% blooming and beyond; 27% 1995; 49% avg.; dry edible beans 36% blooming and beyond; 34% 1995; 51% avg.; soybeans 42% blooming and beyond; 32 1995; 51% avg.; potatoes 75% blooming and beyond; 66% 1995; 75% avg. Small grain conditions improved from last week. Late season crop development was behind average although plant heights were slightly ahead. Emerged crop condition: durum 3% poor, 25% fair, 64% good, 8% excellent; canola 2% poor, 16% fair, 64% good, 18% excellent; flaxseed 2% poor, 17% fair, 72% good, 9% excellent; corn 2% poor, 18% fair, 64% good, 16% excellent; dry edible beans 1% very poor, 2% poor, 16% fair, 68% good, 13% excellent; soybeans 10% poor, 31% fair, 49% good, 10% excellent; sunflower 1% poor, 14% fair, 68% good, 17% excellent; sugar beets 1% very poor, 2% poor, 14% fair, 68% good, 15% excellent; potatoes 1% very poor, 1% poor, 5% fair, 69% good, 24% excellent.

OHIO: Days suitable for fieldwork 4.1. Topsoil 3% very short, 24% short, 60% adequate, 13% surplus. Alfalfa hay 2nd cutting 38% complete; other hay 2nd cutting 20% complete. Fresh market tomatoes, sweet corn, peppers are being harvested in southern counties.

OKLAHOMA: Days suitable for fieldwork 5.5. Topsoil 9% very short, 25% short, 65% adequate, 1% surplus. Subsoil 9% very short, 42% short, 49% adequate. Wheat 87% plowed, 80% 1995, 79% avg.; 2% seedbed prepared, 4% 1995, 2% avg. Oats 78% plowed, 67% 1995, 81% avg. Corn 99% tasselling, 38% 1995, 82% avg.; 36% milk-to-soft, 18% 1995, 25% avg.; 2% mature, 1% 1995, 2% avg. Sorghum 100% up-to-stand, 90% 1995, 97% avg.; 10% mature, 0% 1995, 0% avg. Soybeans 98% up-to-stand, 89% 1995, 87% avg.; 56% blooming, 40% 1995, 30% avg.; 19% setting pods, 18% 1995, 9% avg. Peanuts 67% setting pods, 12% 1995, 18% avg. Alfalfa 1%

very poor, 6% poor, 28% fair, 62% good, 3% excellent; 2nd cutting 97%, 98% 1995, 93% avg.; 28% 3rd cutting, 50% 1995, 45% avg. Livestock 3% poor, 21% fair, 71% good, 5% excellent. Feeder steers, heifers were steady to \$1/cwt higher.

OREGON: Days suitable for fieldwork 6.2. Topsoil 44% short, 56% adequate. Subsoil 1% very short, 38% short, 61% adequate. Barley 10% harvested, 15% 1995, 24% avg. Activities: Rain hampered grain harvest, haying, statewide. Grass seed harvest continued, Willamette Valley. Freeze damage northeastern section small grain crops. Early harvest reports in Mid-Columbia encouraging, above average yields reported. Nurseries, greenhouses summer irrigation, spraying, cultivating continued. Eastern potatoes closing rows, Klamath Basin potatoes 80% rows closed. Willamette Valley sweet corn growing fast, green bean harvest underway. Northeastern sweet onion harvest underway. Cherry harvest mostly complete, statewide. Willamette Valley: Raspberry harvest winding down, blueberry, marionberry, boysenberry picking continued, hazelnuts continued to size. Rogue River Valley: Pears, apples continued good. Southern coast: Cranberries good fruit set, fruit sizing underway. Livestock good-excellent. Hot weather hurt pasture feed. Some pasture spraying, mowing underway, western section.

PENNSYLVANIA: Days suitable for fieldwork 3.8. Soil moisture 3% short, 57% adequate, 40% surplus. Heavy rains, flooding in western counties. Wet conditions made hay making, small grain harvest difficult. Some problems with sprouting wheat. Soybean 1% very poor, 4% poor, 18% fair, 63% good, 14% excellent. Barley 95% harvested, 76% 1995, 76% avg. Wheat 67% harvested, 60% 1995, 58% avg. Alfalfa 2nd cutting 60% complete, 44% 1995, 55% avg. Timothy clover 1st cutting 91% complete, 87% 1995, 94% avg.; 2nd cutting 13% complete, 8% 1995, 11% avg. Quality of hay made 1% very poor, 17% poor, 34% fair, 41% good, 7% excellent. Peach 3% very poor, 11% poor, 32% fair, 48% good, 6% excellent. Apple 2% very poor, 10% poor, 38% fair, 42% good, 8% excellent. Activities: Making hay and haylage; harvesting small grains; spraying; fixing fences; hauling manure; caring for livestock.

PUERTO RICO: No weather data available.

SOUTH CAROLINA: Days suitable for fieldwork 6.1. Soil moisture 14% very short, 20% short, 61% adequate, 5% surplus. Corn 8% very poor, 14% poor, 26% fair, 37% good, 15% excellent; 100% silked, 99% 1995, 98% avg.; 85% doughed, 83% 1995, 83% avg.; 35% mature, 26% 1995, 28% avg.; 5% harvested, 2% 1995, 3% avg.; Sorghum 100% planted, 89% 1995, 89% avg.; 8% harvested, 6% 1995, 3% avg.; 19% poor, 56% fair, 23% good, 1% excellent. Tobacco topped 98%, 92% 1995, 93% avg.; 25% harvested, 29% 1995, 29% avg.; 1% very poor, 3% poor, 8% fair, 75% good, 13% excellent; Peach harvest 63% complete, 53% 1995, 58% avg.; 14% very poor, 23% poor, 61% fair, 2% good. Watermelons 91% harvested, 84% 1995, 79% avg.; 5% very poor, 25% poor, 34% fair, 29% good, 7% excellent. Cantaloups 94% harvested, 81% 1995, 76% avg.; 44% poor, 39% fair, 16% good, 1% excellent. Tomatoes 94% harvested, 89% 1995, 96% avg.; 20% fair, 41% good, 39% excellent. Cucumbers 96% harvested, 76% 1995, 83% avg.; 6% very poor, 3% poor, 32% fair, 58% good, 1% excellent.

SOUTH DAKOTA: Days suitable for fieldwork 5.9. Topsoil 3% very short, 35% short, 57% adequate, 5% surplus. Subsoil 1% very short, 19% short, 66% adequate, 14% surplus. Warm weather quickened the maturing of the small grains. Barley 57% turning color, 34% 1995, 65% avg. Oats 50% turning color, 40% 1995, 67% avg. Spring wheat 38% turning color, 35% 1995, 62% avg. Corn height 50 in., 44 in. 1995, 48 in. avg. Flax 58% blooming, 60% 1995, 58% avg.; 3% fair, 74% good, 23% excellent. Sunflowers 1% very poor, 1% poor, 15% fair, 59% good, 24% excellent. Winter wheat 92% turning color, 99% 1995, 98% avg.; 24% ripe, 66% 1995, 71% avg.; 2% very poor, 7% poor, 34% fair, 50% good, 7% excellent. Winter rye 97% turning

color, 99% 1995, 95% avg.; 15% ripe, 78% 1995, 67% avg.; 1% poor, 32% fair, 45% good, 22% excellent. Producers are hoping to get their small grains harvested before the grasshoppers cause much damage. Producers are spraying for corn borers, sunflower beetles. 2nd cutting alfalfa 38% harvested, 33% 1995, 32% avg. Other hay 65% harvested, 61% 1995, 52% avg. Livestock 9% fair, 69% good, 22% excellent. Stockwater supplies 2% short, 81% adequate, 17% surplus.

TENNESSEE: Days suitable for fieldwork 6.0. Topsoil 6% very short, 36% short, 57% adequate, 1% surplus. Subsoil 4% very short, 34% short, 60% adequate, 2% surplus. Crops showing signs of moisture stress. Aphids, budworms, boll weevils problem on cotton. Japanese beetles, Mexican bean beetles attacking soybeans. Blue mold widespread on burley tobacco. Corn 1% very poor, 3% poor, 23% fair, 48% good, 25% excellent; 95% tasseled, 95% 1995, 85% avg.; 41% dough, 47% 1995, 32% avg.; 5% dent, 10% 1995, 8% avg. Tobacco 1% very poor, 10% poor, 31% fair, 50% good, 8% excellent; 23% topped, 24% 1995, 22% avg. Sorghum 3% poor, 21% fair, 67% good, 9% excellent; 32% headed, 48% 1995, 39% avg. Alfalfa hay 6% poor, 35% fair, 54% good, 5% excellent; 85% 2nd cutting, 94% 1995, 94% avg. Other hay 2% very poor, 13% poor, 41% fair, 39% good, 5% excellent. Pasture feed 3% very poor, 15% poor, 41% fair, 37% good, 4% excellent.

TEXAS: Rainfall tapered off, more widely scattered, temperatures continued at summertime levels; however, portions of Trans-Pecos, Hill Country received rain. Fieldwork progressed without much delay most areas. Hot weather through much central area continued take toll on grain crops. Harvest operations continued along Upper Coast, Coastal Bend, Rio Grande Valley. Scattered hay cutting occurred. Concern continued grow for high nitrate, prussic acid levels. Livestock conditions remained good under heavy supplemental feeding.

Crops: Small grain harvest virtually completed most fields in High Plains last week. Corn development good in High Plains with slightly cooler weather. Early fields entering dent stage. Many more fields in south-central areas failing from hot, dry conditions. Harvest continued without much delay in Rio Grande Valley, began to expand in the Coastal Bend. Corn 61% doughing, 63% 1995, 61% avg.; 52% denting, 54% 1995, 48% avg.; 25% mature, 30% 1995, 26% avg.; 1% harvested, 6% 1995, 7% avg. Grain sorghum good progress reported in High Plains. Some watering resuming. Fields rapidly turning color throughout northern, southern areas. Harvest just getting underway parts south-central. Harvest continued along Upper Coast, Coastal Bend and was beginning to wind down in the valley. Sorghum 51% turning color, 67% 1995, 59% avg.; 37% mature, 55% 1995, 42% avg.; 23% harvested, 41% 1995, 27% avg. Recent rains across Plains improved many cotton fields. Scattered fields still failing. Some early fields defoliated last week in Coastal Bend. Some early harvest begun in Rio Grande Valley. Cotton 9% open bolls, 9% 1995, 6% avg. Rice fields along Upper Coast remained good condition. Peanuts some disease, insect problems shown up in scattered fields north-central areas; however, progress remained good. Progress other areas also good. Soybeans growth, development good all areas.

Commercial Vegetables: Rio Grande Valley, land preparations for fall planting continued. San Antonio- Winter garden, watermelon, cantaloup harvest wrapping up. East, most vegetables made good progress with some disease problems showing up. High Plains, potato, onion harvest continued. Trans-Pecos, onion, cantaloup harvest continued. Chillies sizing. Pecans: Spraying operations continued second generation casebearer, walnut caterpillar. Crop condition fair many areas with some nut drop still occurring.

Range and Livestock: Few more hay fields cut; however, most production has ended because hot, dry conditions many areas. High prussic acid, nitrate levels continued be concern with some losses to cattle being reported. Many sheep producers continue sell off new lambs. Livestock conditions good; however, supplemental feeding remained high.

UTAH: Days suitable for fieldwork 6.0. Topsoil 14% very short, 43% short, 41% adequate, 2% surplus. Subsoil 13% very short, 46% short, 40% adequate, 1% surplus. Irrigation water supply 10% very short, 30% short, 58% adequate, 2% surplus. Stockwater supply 10% very short, 37% short, 53% adequate. Winter wheat harvested 35%, 6% 1995, 19% avg. Spring wheat harvested 10%, 10% avg. Barley harvested 17%, 5% 1995, 15% avg. Oats headed 82%, 76% 1995, 84% avg. Corn height 53 inches, 29 inches 1995, 43 inches avg. Alfalfa hay second cutting 51%, 23% 1995, 42% avg. Oats harvested for hay or silage 42%, 44% 1995, 46% avg. Other hay cut 59%, 55% 1995, 61% avg. Sweet cherries picked 98%, 77% 1995. Tart cherries picked 34%, 11% 1995. Range, pasture feed 4% very poor, 12% poor, 37% fair, 44% good, 3% excellent. Major farm, ranch activities: Irrigating crops, harvesting wheat and barley, picking cherries.

VIRGINIA: Days suitable for fieldwork 4.7. Topsoil 6% very short, 13% short, 68% adequate, 13% surplus. Subsoil moisture 2% very short, 26% short, 63% adequate, 9% surplus. Corn 45% silked, 1995 56%, 54% avg.; 17% dough, 1995 14%, 17% avg.; 1% very poor, 3% poor, 15% fair, 60% good, 21% excellent. Soybeans 97% planted, 100% 1995, 99% avg.; 5% poor, 14% fair, 64% good, 17% excellent. Oats 95% harvested, 70% 1995, 92% avg. Winter wheat 94% harvested, 91% 1995, 96% avg. Barley 99% harvested, 99% 1995, 100% avg. Cotton 21% fair, 30% good, 49% excellent. Peanuts 80% pegged; 10% fair, 30% good, 60% excellent. Alfalfa 2% very poor, 10% poor, 18% fair, 56% good, 14% excellent. Other hay 1% very poor, 9% poor, 35% fair, 43% good, 12% excellent. Summer potatoes 45% harvested, 44% 1995, 61% avg. Fire cured tobacco 5% very poor, 7% poor, 32% fair, 53% good, 3% excellent. Flue cured tobacco 3% harvested, 5% 1995, 3% avg.; 6% very poor, 5% poor, 23% fair, 44% good, 22% excellent. Burley tobacco 3% poor, 41% fair, 56% good. Sun cured tobacco 40% fair, 50% good, 10% excellent. Pasture feed 2% very poor, 11% poor, 31% fair, 41% good, 15% excellent. Apples 5% very poor, 10% poor, 15% fair, 55% good, 15% excellent. Peaches 3% harvested, 11% 1995, 8% avg. Activities: Excess moisture from Hurricane Bertha causing fungus problems. Lodging reported in corn. Soybean planting, small grain harvest almost complete. Vegetables being harvested. Peach and apple harvest beginning. Tobacco growers cultivating, spraying, topping, laying by. Flue tobacco harvest underway.

WASHINGTON: Days suitable for fieldwork 5.9. Topsoil 26% short, 73% adequate, 1% surplus; subsoil 30% short, 70% adequate. Hot weather turned to rain showers later in the week. Winter wheat harvest came to a halt because of rain. Spring grains planted in late April never overcame the hot, dry weather of early May. Spring wheat, barley are expected to yield close to historical averages. Winter wheat, dryland 2% fair, 61% good, 37% excellent; irrigated, 82% good, 18% excellent. Barley, dryland 3% very poor, 13% poor, 35% fair, 37% good, 12% excellent; irrigated, 98% good, 2% excellent. Spring wheat, dryland 2% very poor, 7% poor, 27% fair, 46% good, 18% excellent; irrigated, 90% good, 10% excellent. Winter wheat 3% harvested, 5% 1995, 10% avg. Spring wheat 98% headed, 100% 1995, 100% avg. Barley 99% headed, 100% 1995, 100% avg. Hay, other roughage supplies, 8% short, 80% adequate, 12% surplus. Range, pasture feed, 14% poor, 23% fair, 51% good, 12% excellent. As hot, wet conditions prevailed first cutting of alfalfa

hay was completed. Cutting of timothy hay was halted later in the week. Alfalfa first cutting 100%, 100% 1995, 100% avg.; second cutting 76%, 62% 1995, 62% avg. Fruit thinning was nearly complete. Lettuce, other vegetable harvest went well. Cannery pea harvest got underway on flooded damaged fields. Blueberry harvest began. Thundershowers halted raspberry harvest. Sunburned tree fruit was reported, over-all crop showed no significant damage. Rains increased concerns about late blight on potatoes. Potatoes 5% harvested, 6% 1995, 5% avg. Potatoes 1% fair, 99% good.

WEST VIRGINIA: Days suitable for fieldwork 3.80 Topsoil 10% short, 72% adequate, 18% surplus. Wheat 15% poor, 50% fair, 35% good; 69% harvested, 25% 1995, 72% avg. Hay 2% poor, 31% fair, 63% good, 4% excellent; first cutting 92%, 95% 1995, 96% avg.; 2nd cutting 17%, 20% 1995, 27% avg. Corn 1% poor, 9% fair, 68% good, 22% excellent; 31% silk stage, 25% 1995, 33% avg.; 2% dough stage, 5% 1995. Oats 16% fair, 83% good, 1% excellent; 98% headed; 36% harvested, 40% 1995. Soybeans 5% fair, 45% good, 50% excellent; blooming 48%, 50% 1995, 13% setting pods, 15% 1995. Tobacco 2% very poor, 7% poor, 29% fair, 62% good; 1% topped, 5% 1995. Cattle 14% fair, 82% good, 4% excellent. Sheep 7% fair, 91% good, 2% excellent. Apples 5% very poor, 5% poor, 80% fair, 10% good. Peaches 5% very poor, 5% poor, 85% fair, 5% good. Activities: Cutting and baling hay, harvesting oats and wheat, working livestock, clipping pastures, equipment maintenance.

WISCONSIN: Days suitable for fieldwork 4.4. Soil 1% very short, 9% short, 67% adequate, 23% surplus. Reporters from the east-central, south districts commented on the heavy rains that lodged small grains, drowned out some fields. A couple of reporters from the South West district commented on the need for rain, as second crop hay is short, pastures are burned up. Corn had a statewide average height of 46 in., compared with 63 in. 1995, 57 in. avg. Reporters statewide still noted areas of uneven corn growth, uncontrolled weed problems due to wet weather conditions. Spraying for corn borers was being done statewide. Corn 2% very poor, 8% poor, 25% fair, 54% good, 1% excellent. Soybean 5% poor, 30% fair, 57% good, 8% excellent. Second crop hay harvested 24%, 38% 1995, 32% avg. There is still first crop hay to harvest in some parts of the state. Overall, second crop hay was very good in quality, and quantity varied. Oats will soon be combined statewide. Winter wheat was reported 1% harvested with most areas nearing harvest. Barley has turned a hint of gold color. Potato leaf blight was noted in the North East district. Pasture feed 4% very poor, 6% poor, 20% fair, 59% good, 11% excellent.

WYOMING: Days suitable for fieldwork 6.5. Topsoil 47% adequate or better. Winter wheat 68% mature, 12% 1995, 51% avg.; 9% harvested, 0% 1995, 15% avg.; fair to good condition. Barley 73% turning color, 42% 1995, 57% avg.; 13% mature, 1% 1995, 17% avg.; good to excellent condition. Oats 44% turning color, 15% 1995, 34% avg.; 15% mature, 3% 1995, 8% avg.; good to excellent condition. Spring wheat 45% turning color, 9% 1995, 43% avg.; 13% mature, 0% 1995, 8% avg.; fair to good condition. Dry beans 48% in bloom, 35% 1995, 44% avg. Corn height 43 in., 41 in. 1995; 19% tasseled, 5% 1995, 20% avg. Row crops mostly good. Alfalfa 1st cutting 88%, 83% 1995, 87% avg.; 8% second cutting, 1% 1995, 6% avg. Other hay 51% harvested, 41% 1995, 48% avg. Range, pasture feed 3% poor, 25% fair, 62% good, 10% excellent. Livestock mostly good to excellent.

International Weather and Crop Summary

July 14 - 20, 1996

HIGHLIGHTS

FSU-WESTERN: A cooling trend moved slowly eastward across the Ukraine, but hot weather prevailed in the Volga Valley.

FSU-NEULANDS: Beneficial showers fell in eastern and central spring grain areas, but unfavorably hot and dry weather dominated western crop areas.

EUROPE: Dry, mild weather prevailed in the west, but cool weather in the northeast slowed crop growth.

MEXICO: Dry weather continued across northeastern Mexico, worsening long-term drought as seasonal showers covered the main corn belt and north-central Mexico.

CANADA: Wet, cool weather maintained soil moisture for reproductive summer crops, but continued to slow crop development in the west.

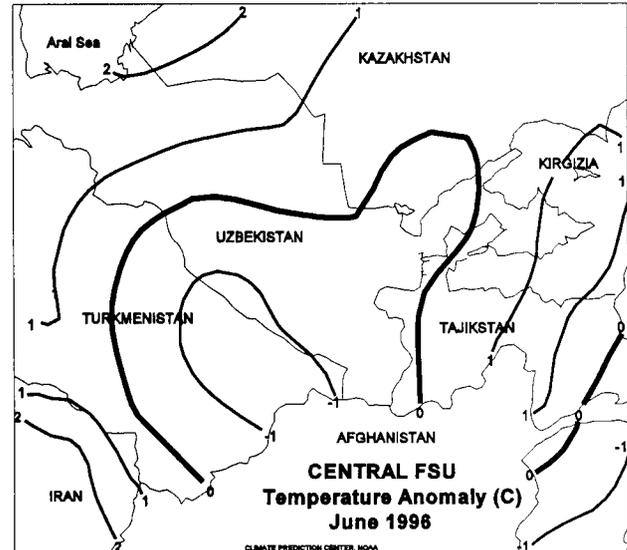
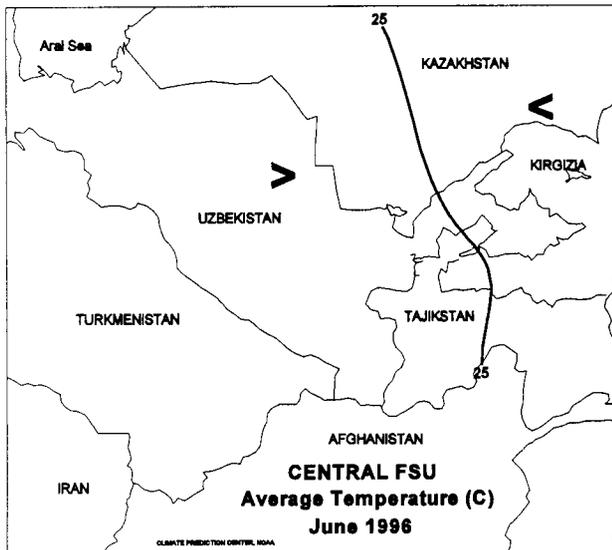
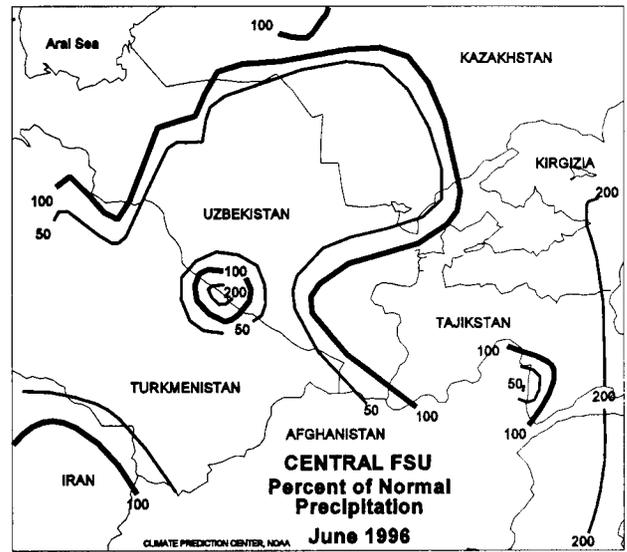
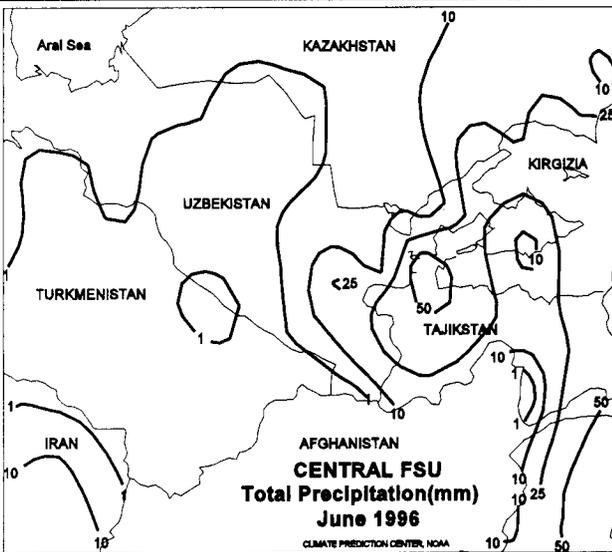
SOUTH ASIA: Showers benefited summer crop planting in central and southern India, but more rain is still needed to erase lingering dry pockets.

SOUTHEAST ASIA: Seasonal showers returned to eastern Thailand and the central Philippines, but more rain is needed in western Thailand and the northern Philippines.

EASTERN ASIA: Heavy rain expanded into central China, worsening flooding along the Yangtze Valley. Typhoon Eve hit southern Japan, possibly damaging rice with strong winds.

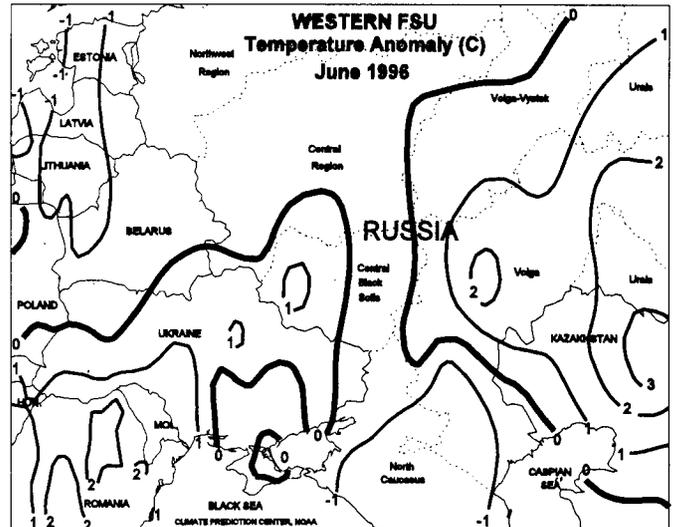
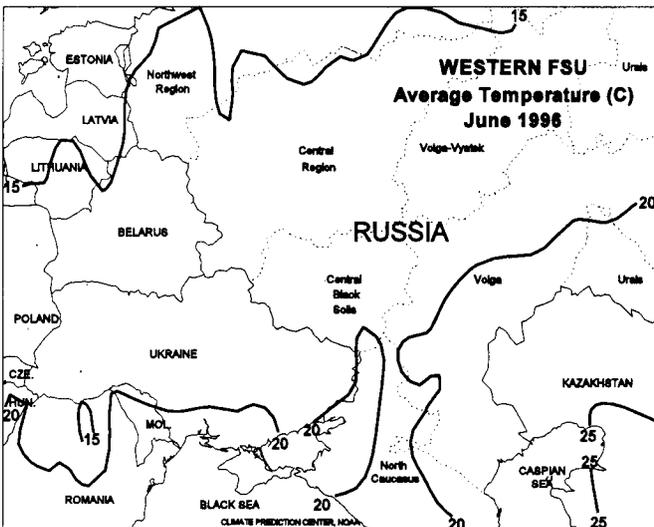
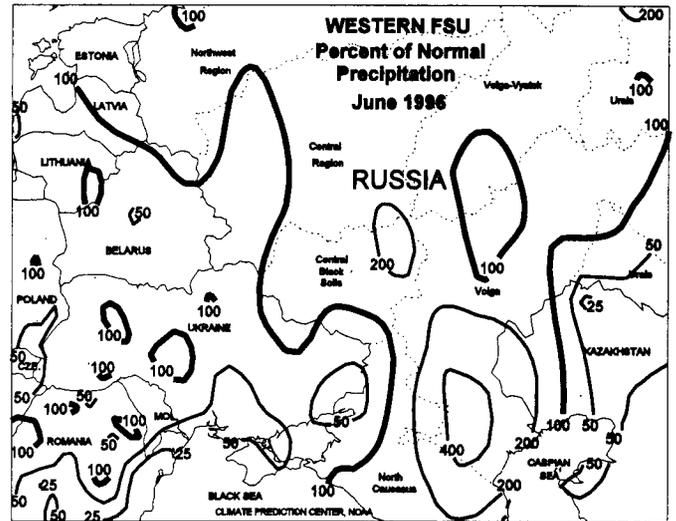
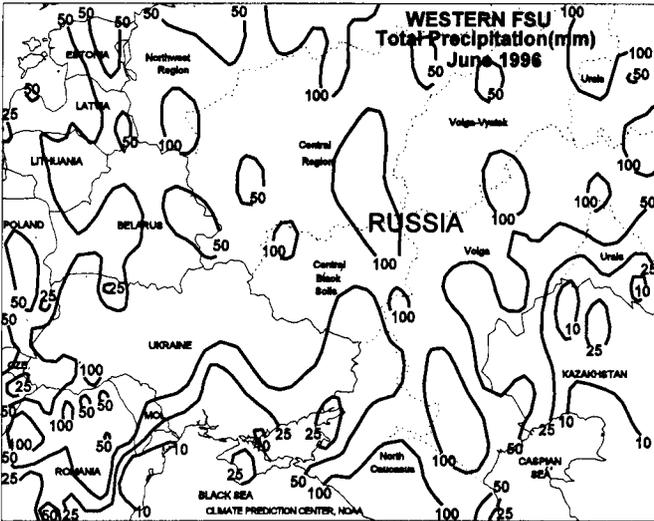
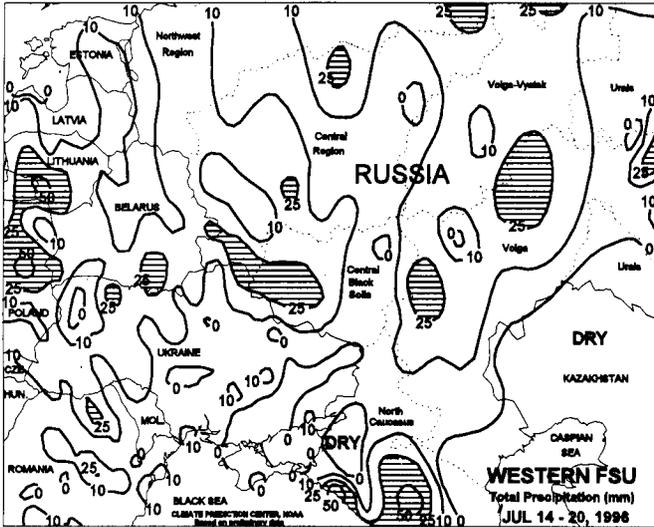
SOUTH AMERICA: Cool weather slowed wheat development across central Argentina and southern Brazil and caused some burn back.

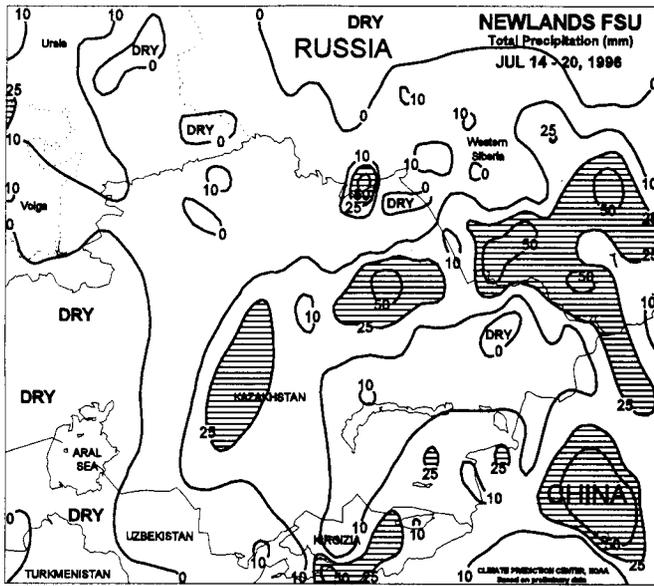
AUSTRALIA: Widespread rain covered western and southern crop areas, favoring germinating to vegetative winter wheat.



FSU-WESTERN

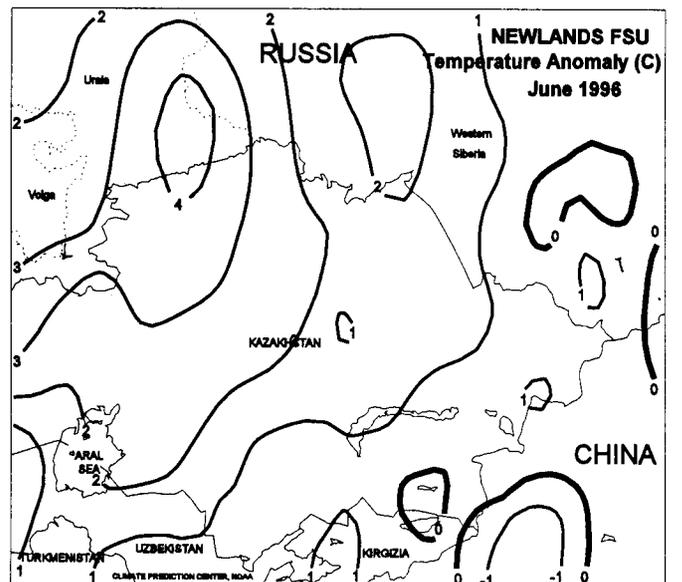
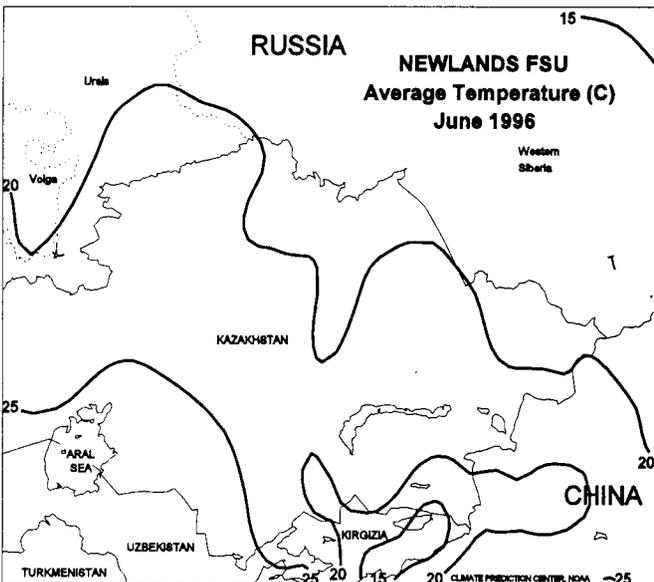
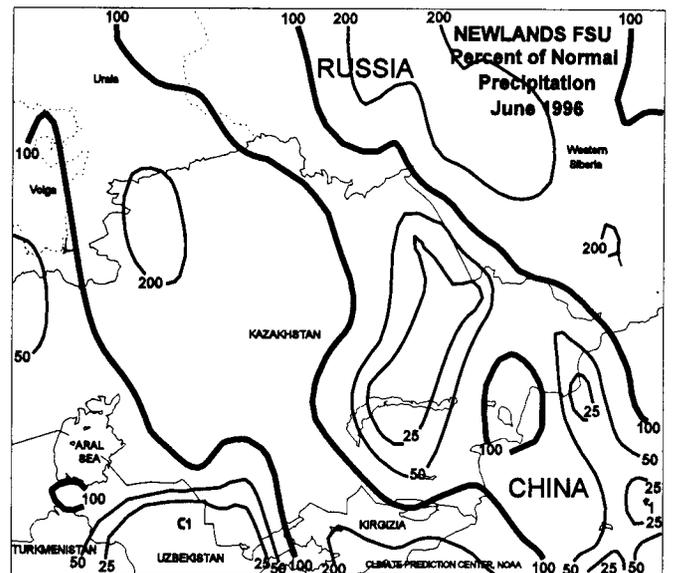
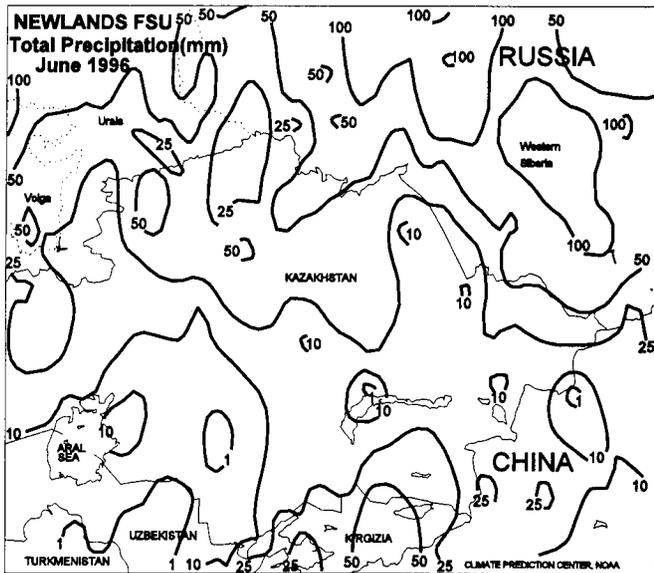
A cooling trend moved slowly across Ukraine and western Russia, with weekly temperatures averaging 1 to 3 degrees C below normal over all but extreme eastern Ukraine. Hot weather prevailed from the North Caucasus into the Volga Valley. Highest temperatures reached 35 to 39 degrees C in extreme eastern portions of Ukraine, and extended from the southeastern Black Soils Region and North Caucasus to the Urals. Beneficial showers (10-25 mm) covered western Ukraine, Belarus, and most of western Russia, except for dryness in the North Caucasus and eastern Black Soils region. June monthly rainfall was below normal over Ukraine creating unfavorable conditions for winter wheat and spring-sown crops. In southern Ukraine, cumulative precipitation from early April through July was the lowest since at least 1981 for this same time period. In Russia, June precipitation was above normal in most areas, with below-normal rainfall confined to extreme western North Caucasus and parts of middle Volga Valley. Most of the rain in North Caucasus, lower Volga Valley, and southern Black Soils Region fell during the first half of the month. Late-month dryness and above-normal temperatures accelerated crop development. Farther north, moisture conditions in Central Region, upper Volga Valley, and Volga Vyatsk remained sufficient for growth.

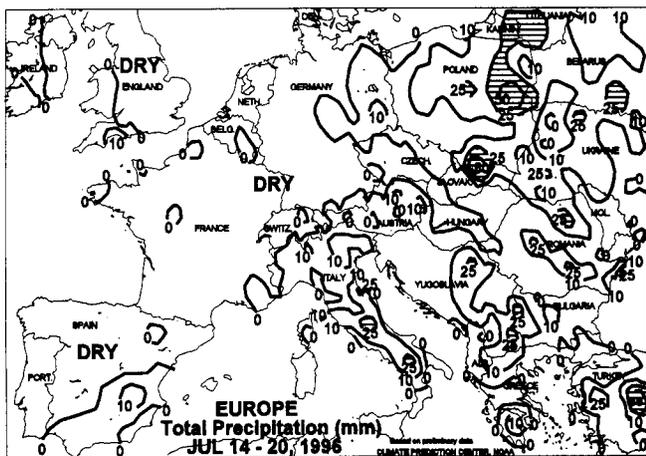




FSU-NEW LANDS

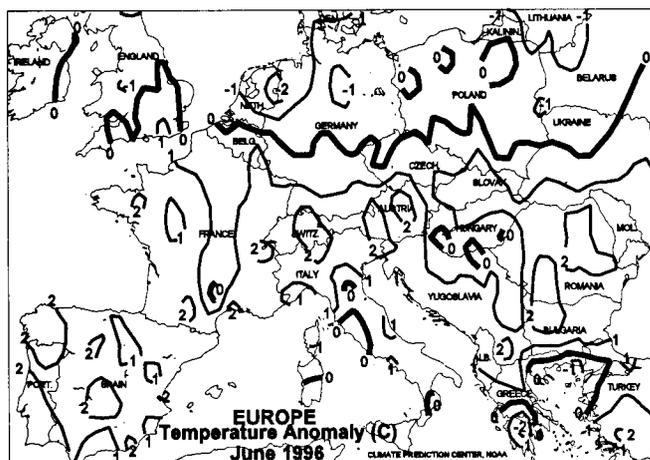
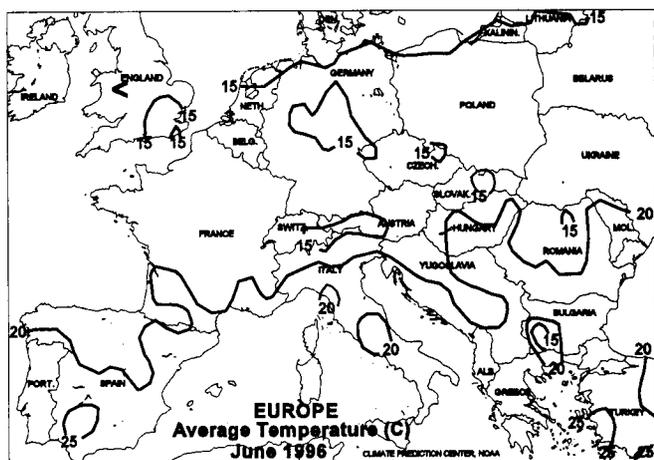
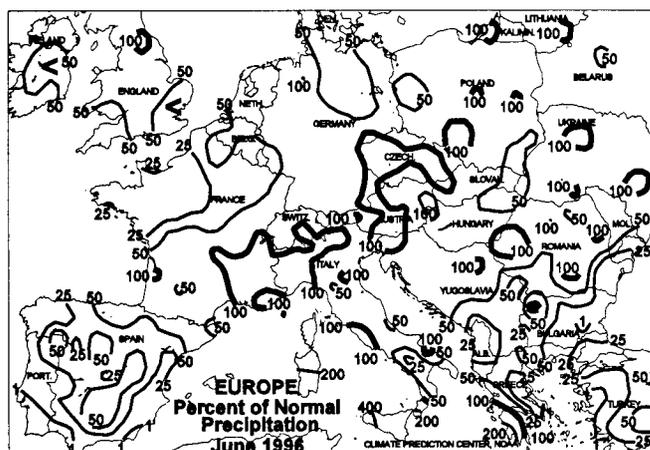
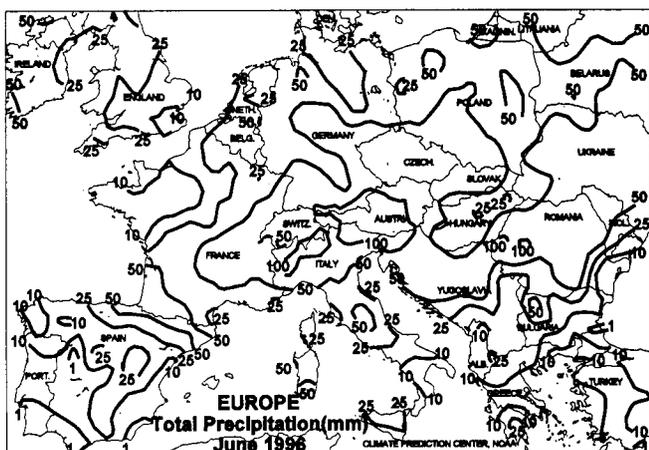
Beneficial showers (10-50 mm) fell over central and eastern spring grain areas of Kazakhstan and Russia, but unfavorably dry weather persisted in the west. Spring grains are in the reproductive phase of development. Weekly temperatures averaged 2 to 4 degrees C above normal in most spring grain areas and 4 to 6 degrees C above normal throughout the Urals. In crop areas east of the Volga Valley, near- to above-normal precipitation during June in Russia favored spring grains in the vegetative stage. The exception was in the southern Urals, where below-normal precipitation fell. In Kazakhstan, below-normal precipitation fell over western and eastern areas, while above-normal rains fell over primary grain areas in north-central Kazakhstan. However, most of the rain fell from June 9 to 14, with a drying trend beginning on June 15 and continuing until month's end. Soil moisture is limited throughout the southern Urals and Kazakhstan, necessitating timely rains during July.

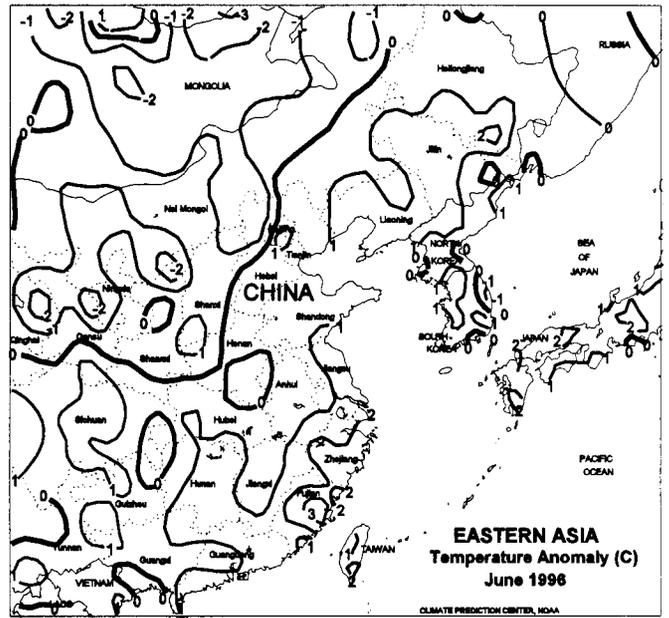
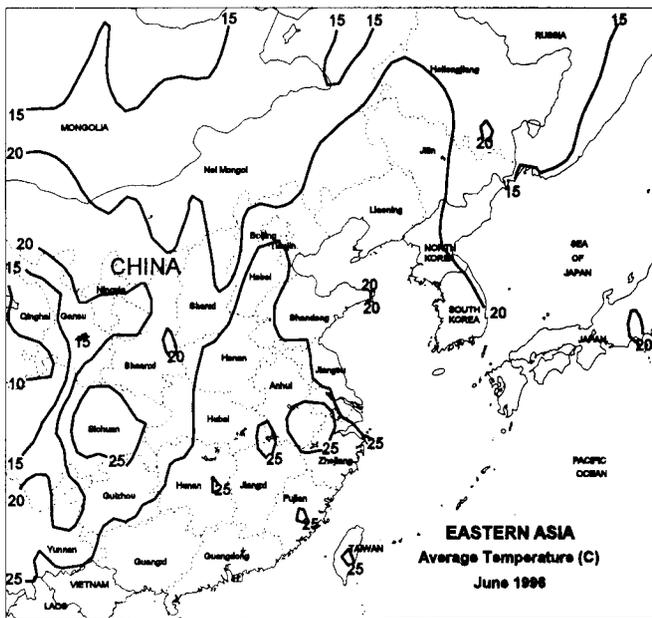
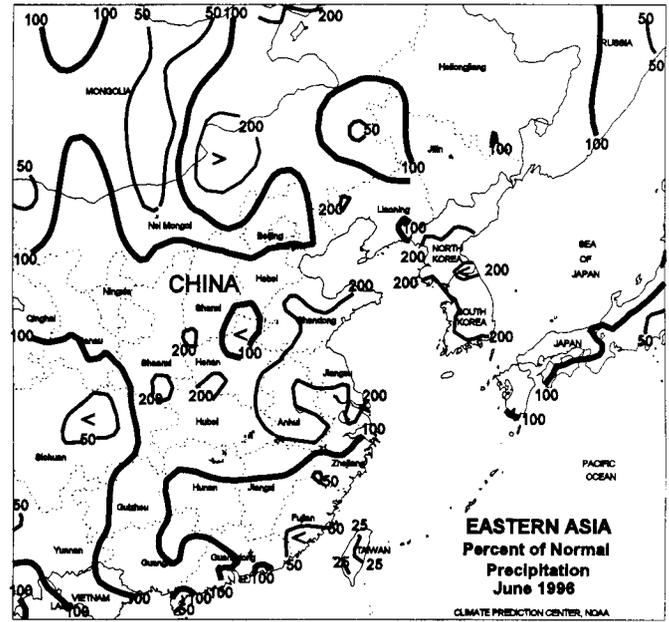
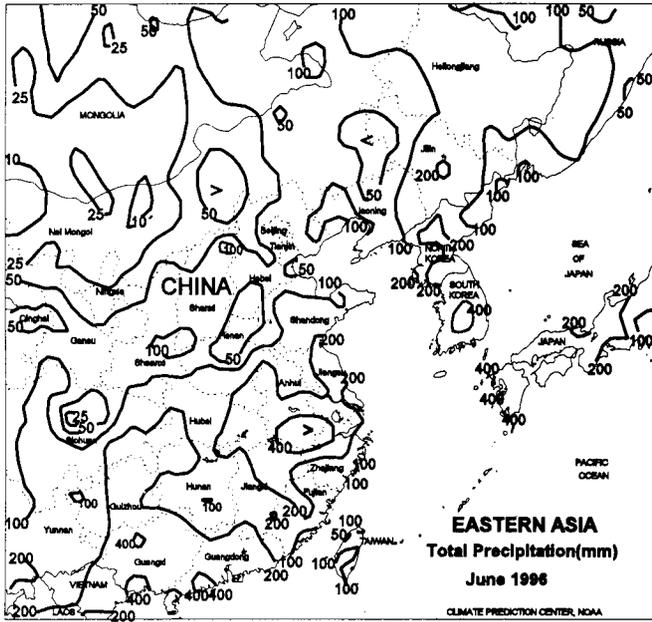


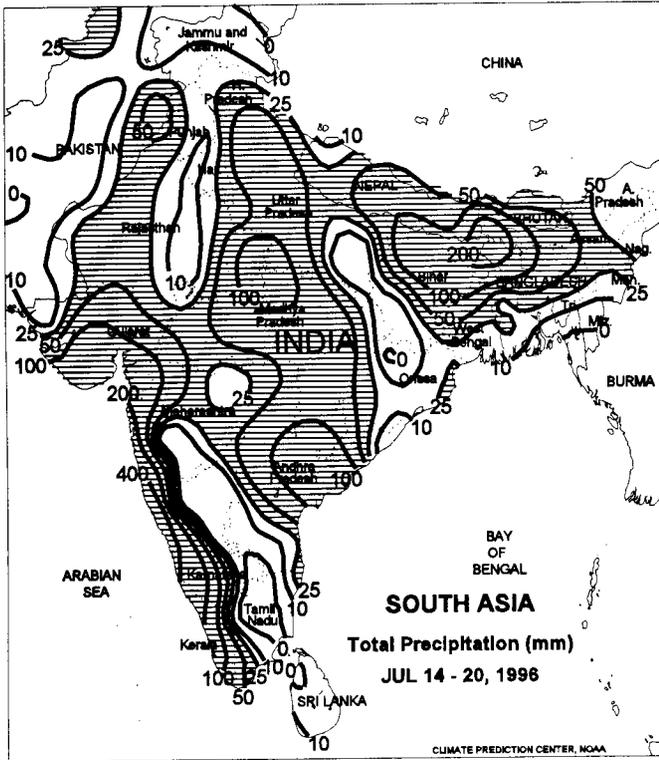


EUROPE

Mostly dry weather prevailed in western and central Europe, while variable showers helped summer crop growth in the east. Weekly temperatures averaged 1 to 4 degrees C above normal in the west, and generally ranged 2 to 4 degrees C below normal throughout the east. Highest temperatures in the upper 20's C favored growth in the northwest, but cool weather (highest temperatures in the low 20's C) in the northeast slowed crop development. In June, well-below-normal rainfall reduced moisture supplies for winter grain development and spring crop establishment over northwestern and north-central Europe. Rainfall averaged less than 50 percent of normal in southern England, northwestern France and northeastern Germany. Scattered areas of well-below-normal rainfall (less than 50 percent of normal) were also found over eastern Europe. Above-normal rainfall in Europe was restricted to southwestern France, northwestern Italy, much of the Czech Republic, and scattered areas of Romania.

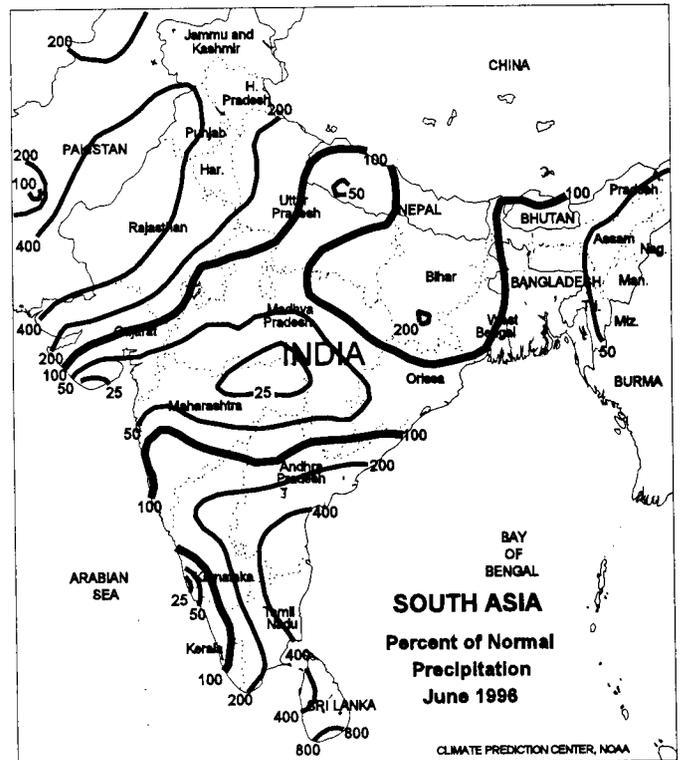
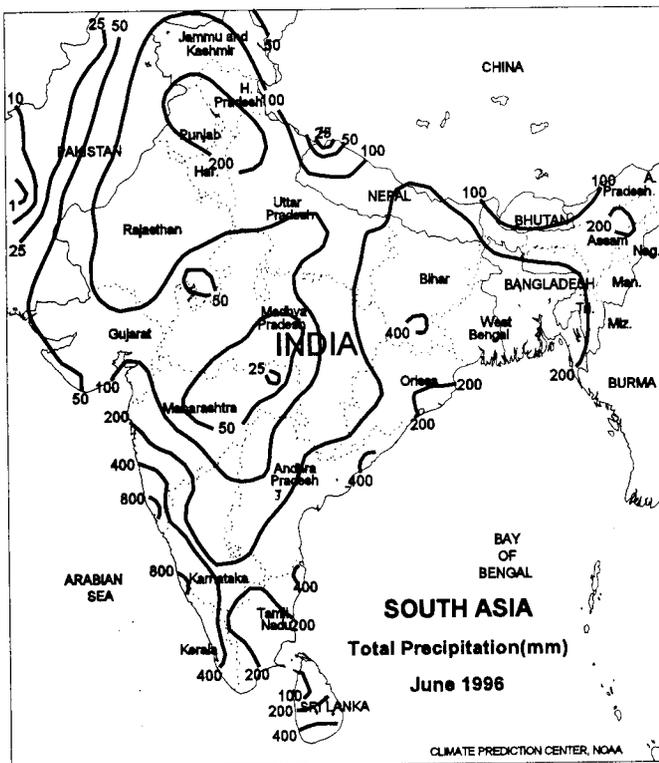


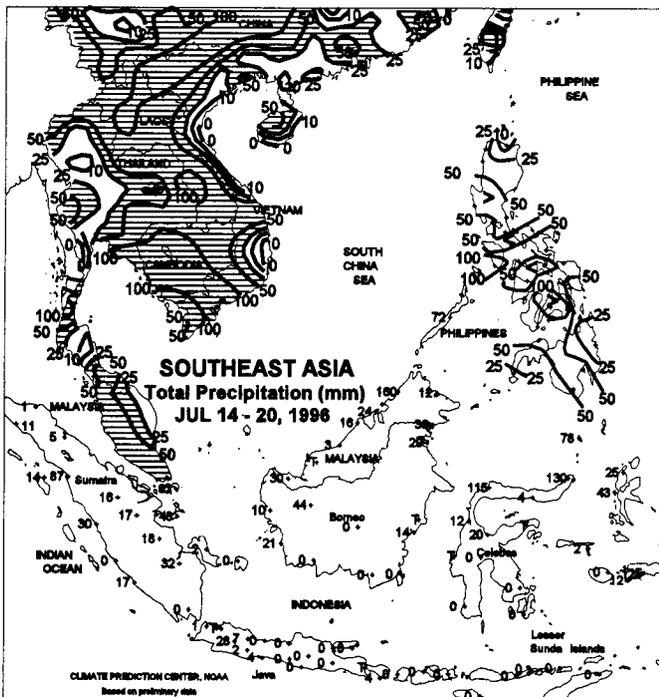
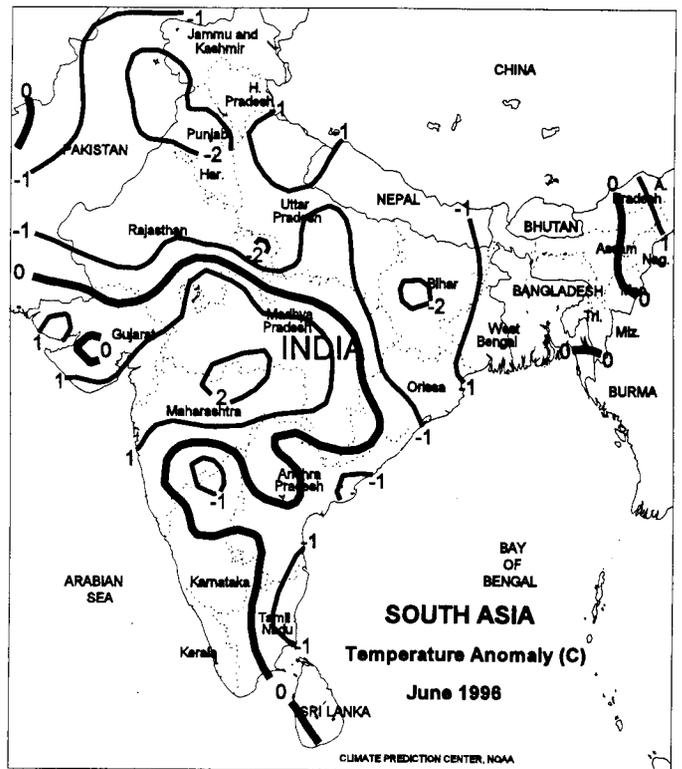
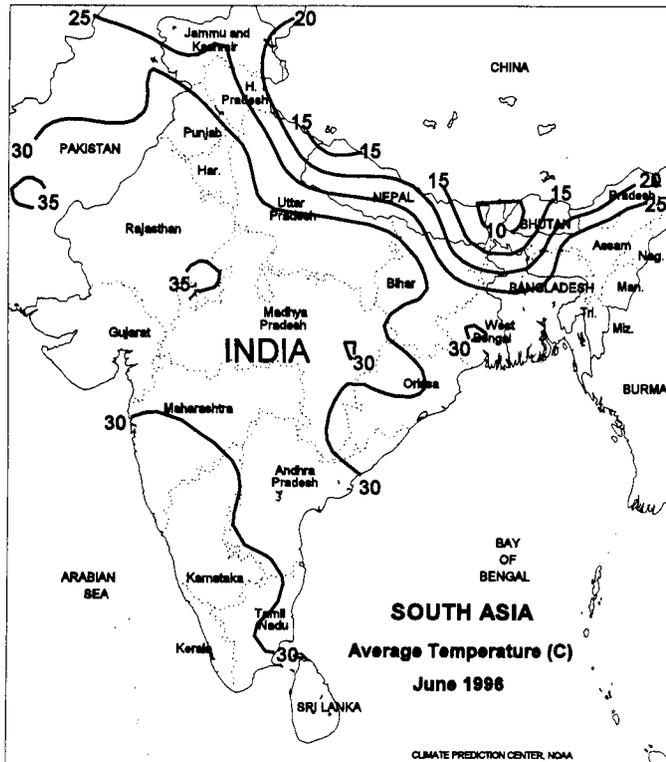




SOUTH ASIA

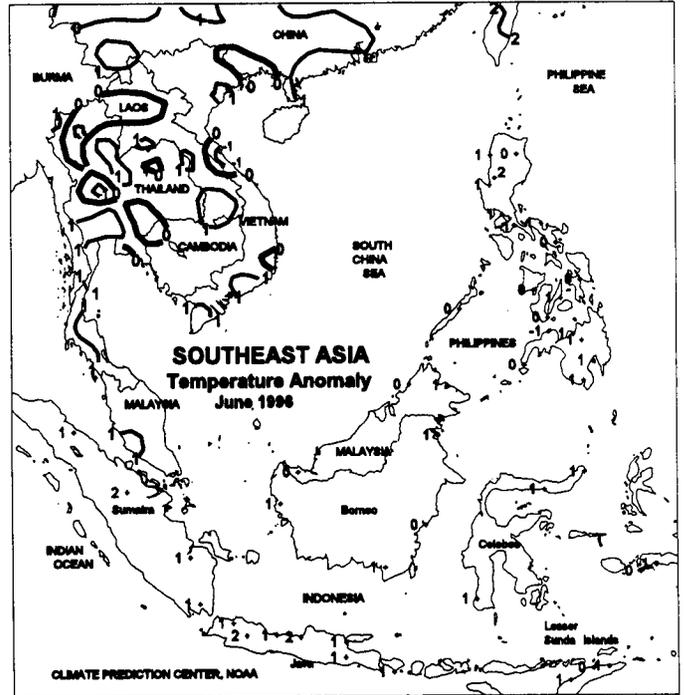
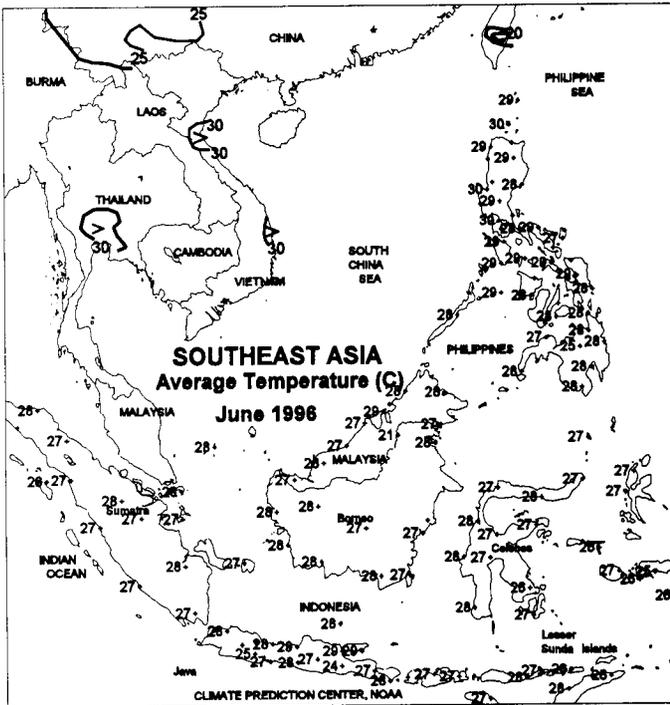
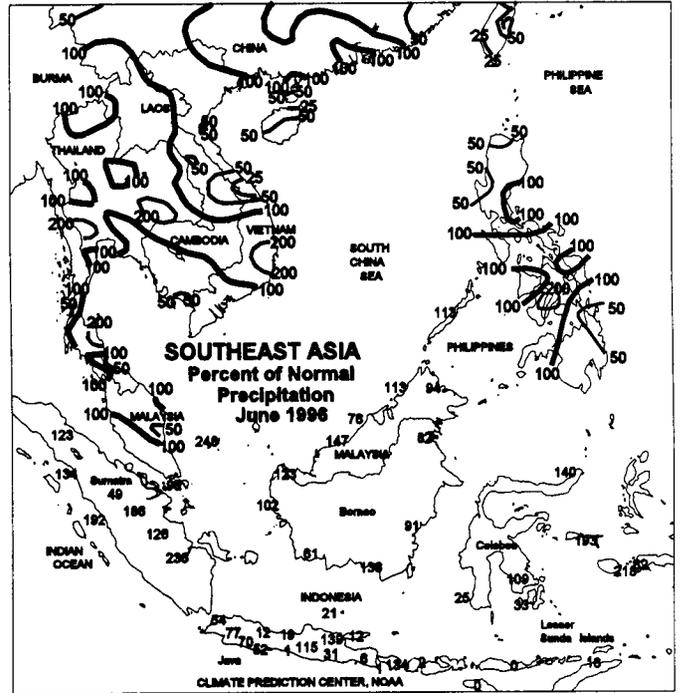
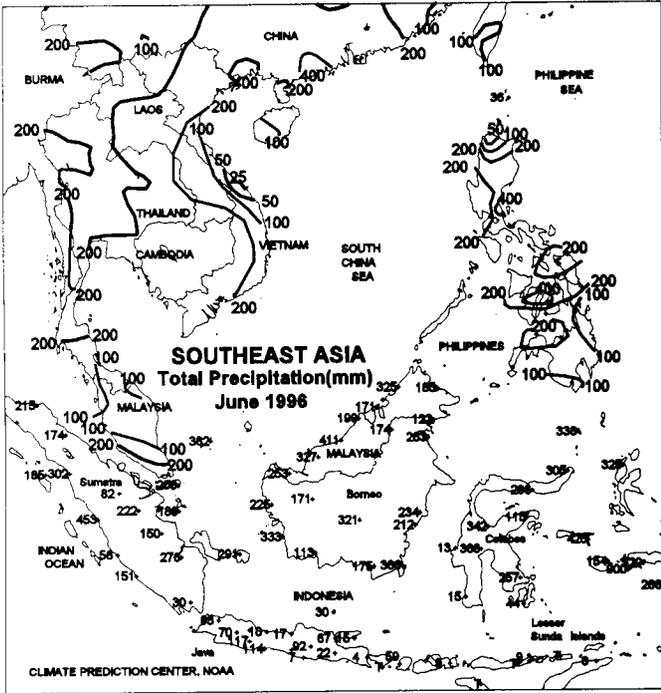
Showers (10-75 mm) fell across central and southern India, favoring oilseed, coarse grain, and cotton planting. While the moisture was beneficial, it was somewhat below normal for mid-July. Therefore, widespread rain is needed to eliminate any remaining dry pockets. Moderate to heavy rain (30-160 mm) covered Gujarat, aiding germinating groundnuts, but causing local flooding. In the eastern rice areas, showers were erratic with highly variable amounts (5-150 mm). Monsoon rains (10-75 mm) returned to northern India and Pakistan, boosting topsoil moisture for germinating summer crops. In early June, the southwest monsoon progressed about on schedule, bringing beneficial moisture to most of the south and east. At mid-month, two cyclones (one from the Arabian Sea and the other from the Bay of Bengal) brought heavy rain and local flooding to western, northern, and eastern India, as well as neighboring areas of Pakistan and Bangladesh. As a result, most of the region received near- to much-above-normal rainfall for the month, providing adequate to abundant subsoil moisture for grain, oilseed, and cotton establishment. The notable exception was June dryness in the important oilseed and coarse grain areas of central India (western Madhya Pradesh to northern Anhra Pradesh) that only recently received adequate planting rains.

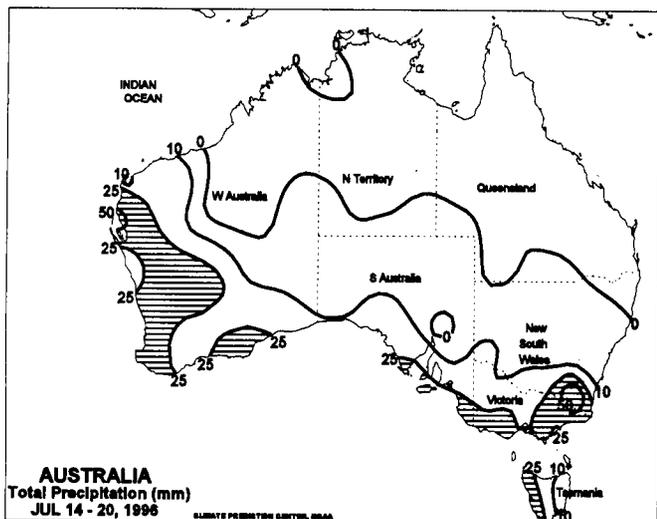




SOUTHEAST ASIA

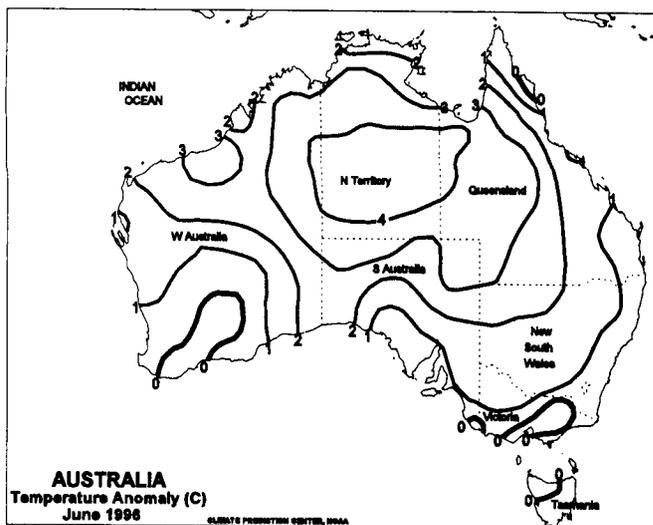
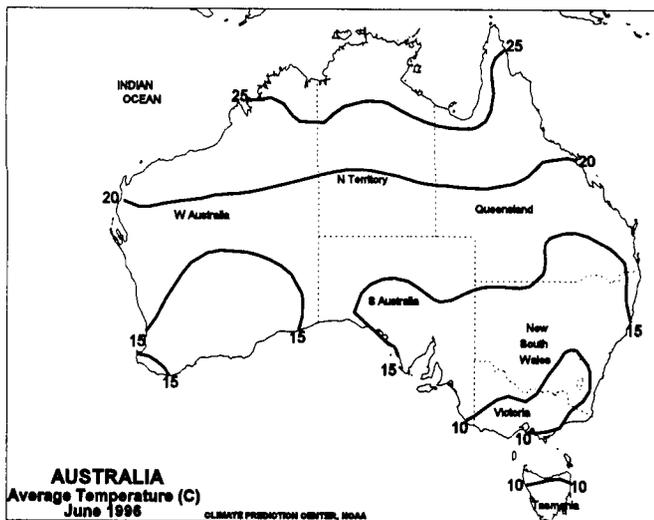
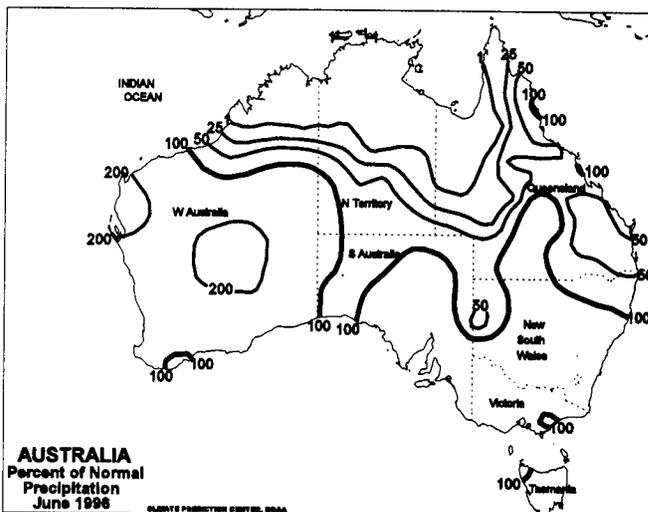
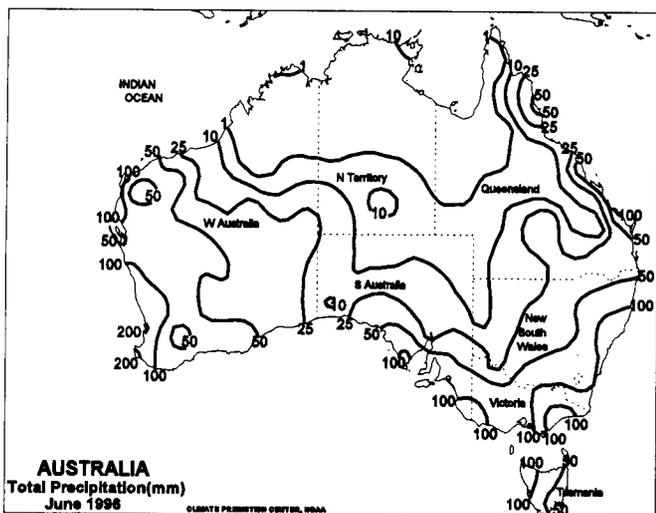
Seasonal showers (25-120 mm) returned to eastern Thailand and the central Philippines, boosting irrigation supplies for grains and sugarcane. However, more rain is needed across western Thailand and the northern Philippines. Temperatures averaged 1 to 2 degrees C above normal across Thailand, increasing evaporation rates. In Vietnam, moderate showers (20-40 mm) fell across the northern interior but drier weather (less than 10 mm) prevailed along the coastal areas. Widespread showers (50-100 mm) favored rice in southern Vietnam. Showers (15-60 mm) benefited oil palm across peninsular Malaysia. In Java, showers (5-25 mm) increased moisture supplies for second-season rice in the west, while dry weather prevailed in the east. During June, rainfall averaged near to above normal across Thailand and the central Philippines, while the northern Philippines received below-normal rainfall. Most major rice growing areas of Vietnam received near-normal June rainfall. Peninsular Malaysia reported variable June rainfall as Java received mostly below-normal rainfall.

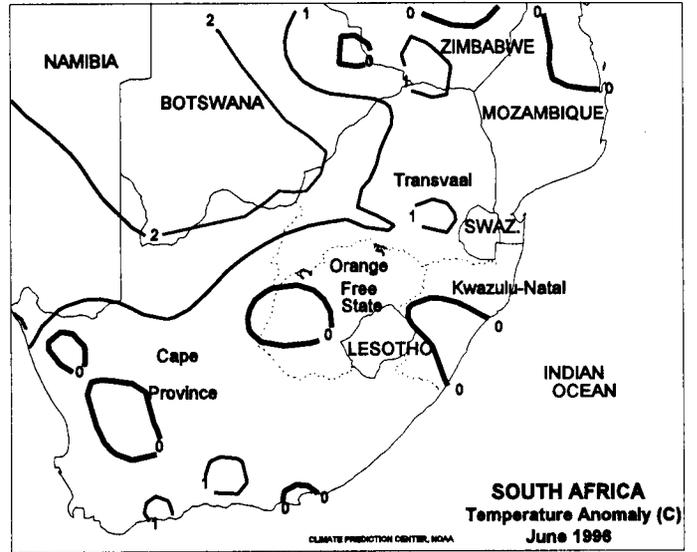
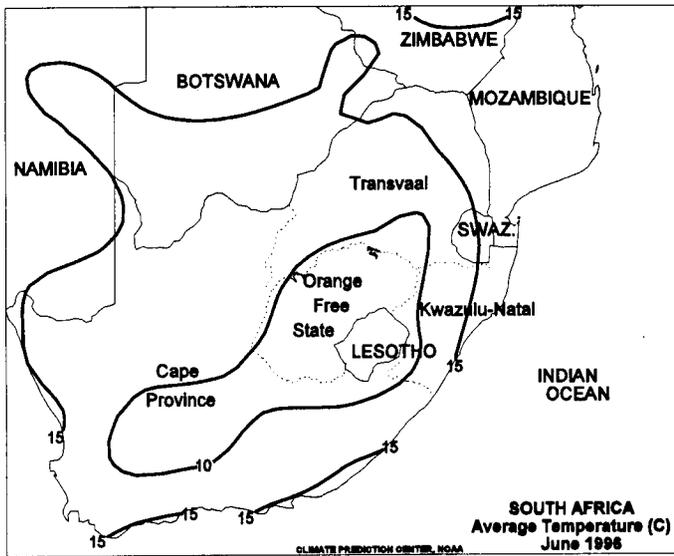
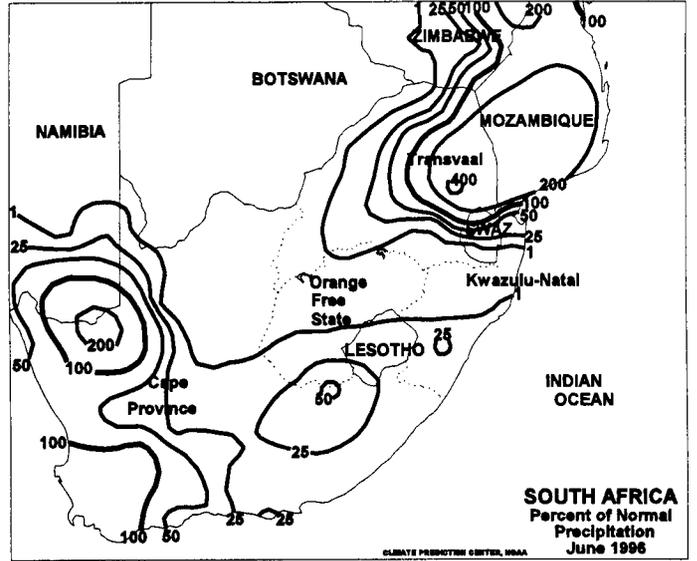
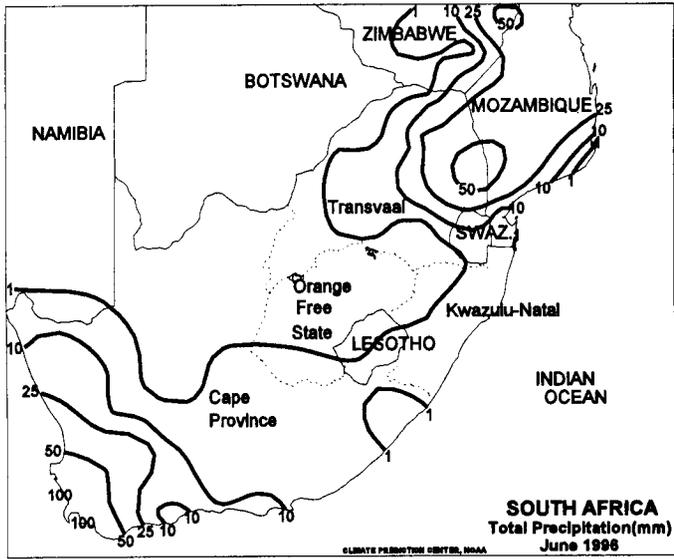


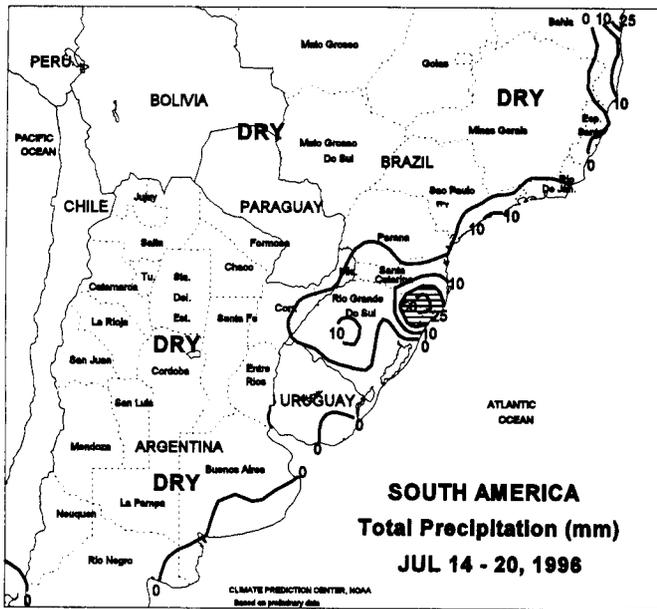


AUSTRALIA

Widespread rain covered western and southern crop areas, favoring germinating to vegetative winter wheat. Rainfall ranged from 10 to 50 mm, with isolated amounts greater than 50 mm, in the western wheat areas. Across the southern wheat areas, rainfall was slightly lighter with amounts ranging from 5 to 30 mm, with amounts greater than 30 mm nearer the coast. Light rain (less than 10 mm) fell across northern New South Wales, while dry weather prevailed across southern Queensland. These wheat areas are becoming slightly dry. Temperatures averaged 1 to 2 degrees C above normal in the west and south and 1 to 2 degrees C below normal in the far east. During June, timely, frequent showers in the western and southeastern winter grain belts improved crop prospects following a protracted dry spell. Rainfall totaled near to above normal (25-50 mm or more) for the month. Temperatures averaged near to slightly above normal, aiding early crop development.

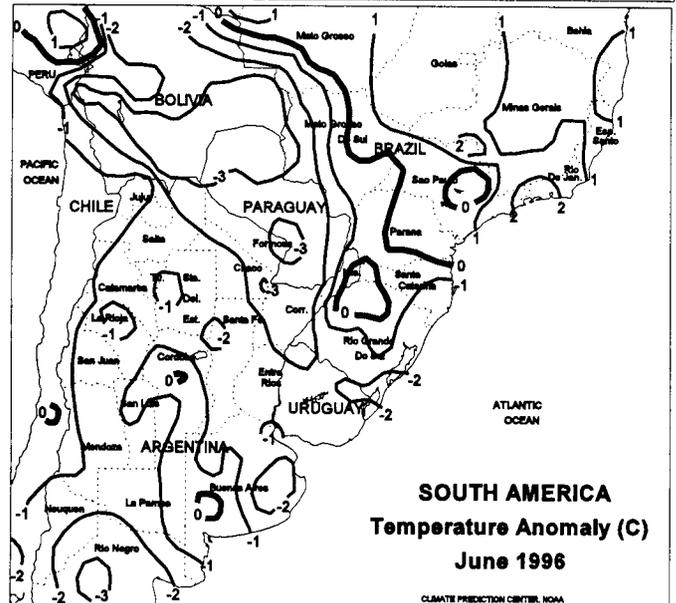
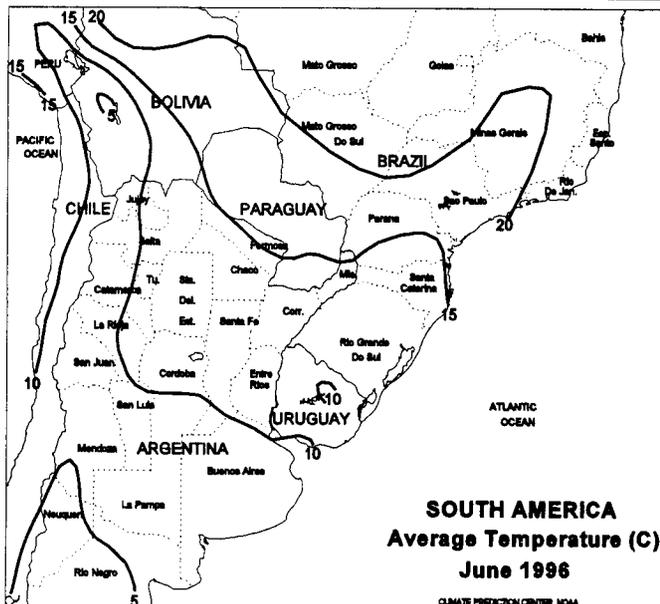
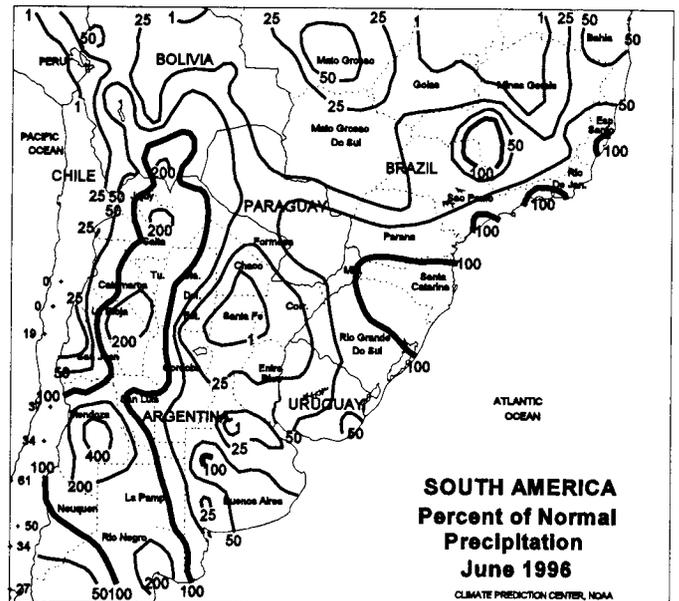
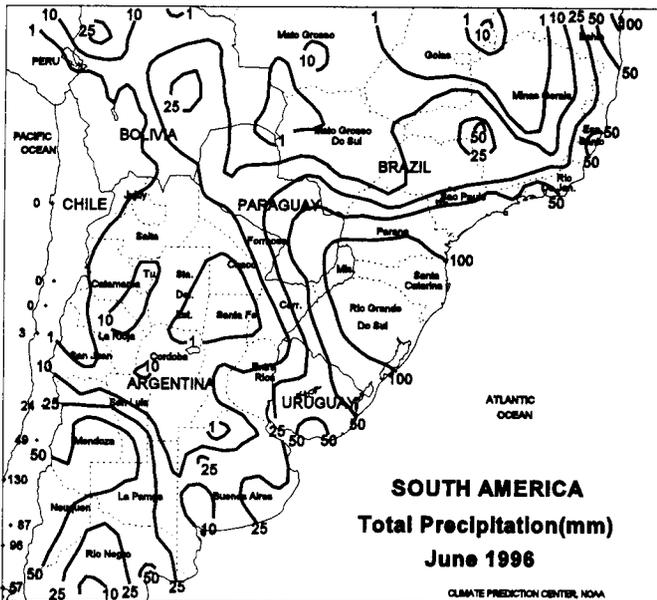


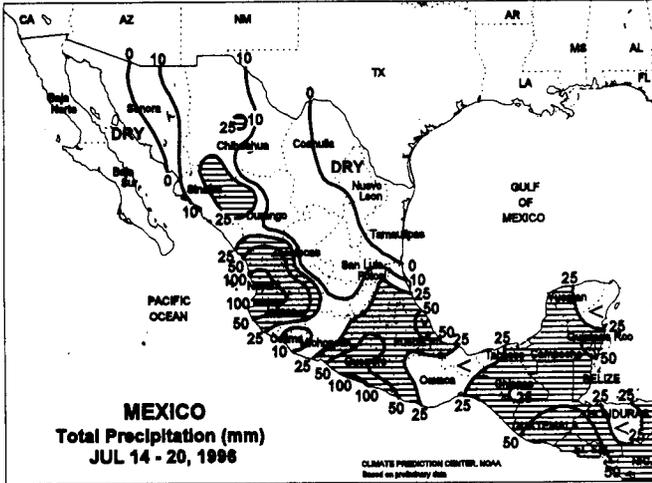




SOUTH AMERICA

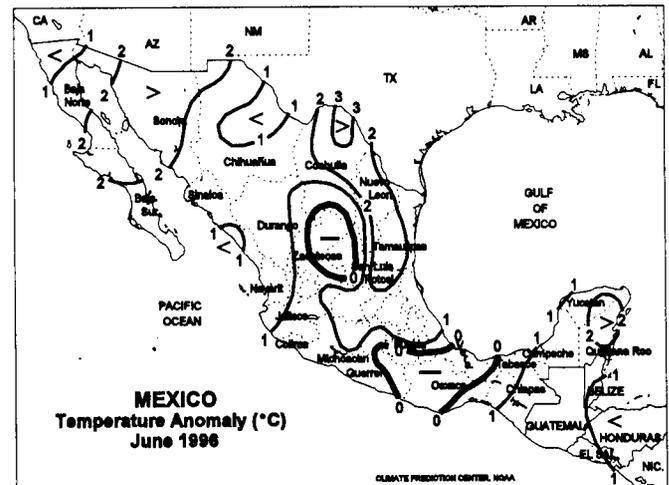
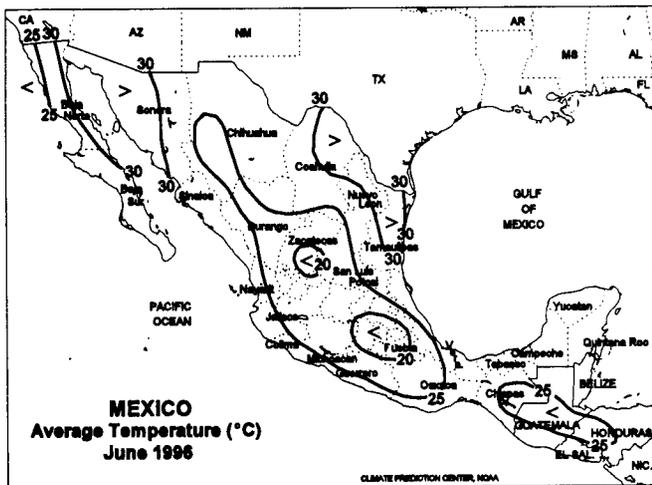
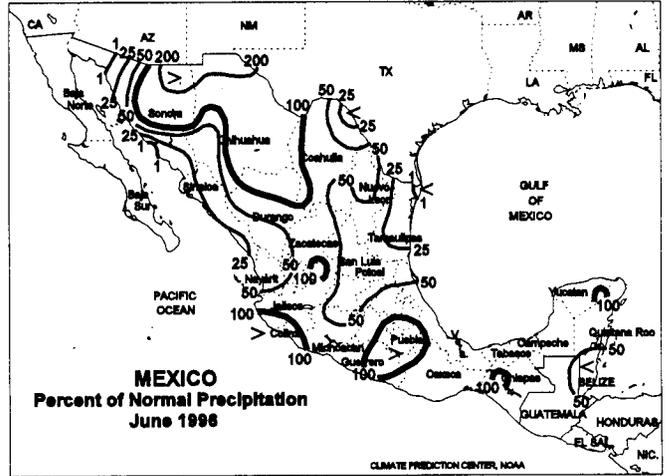
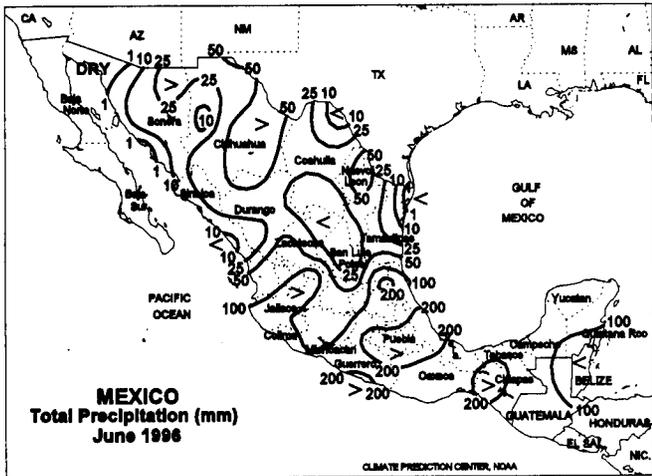
Cool weather (1-3 degrees C below normal; minimum temperatures 0 to -4 degrees C) prevailed across the region, slowing wheat development and burning back vegetative winter wheat. Freezing temperatures were widespread in central Argentina but confined to eastern Santa Catarina and northeast Rio Grande do Sul. Temperatures were above freezing in Mato Grosso do Sul and northern Parana, where winter wheat should just be entering the reproductive stage. Mostly dry weather covered the region, promoting winter wheat planting in Argentina. Light to moderate rain (5-50 mm) was limited to Santa Catarina and northern Rio Grande do Sul. Dry weather in the remainder of southern Brazil aided coffee and citrus harvesting. During June, near- to above-normal rainfall benefited vegetative winter wheat across southeastern Brazil. In central Argentina, rainfall averaged below normal, except for portions of central Buenos Aires that averaged near normal.

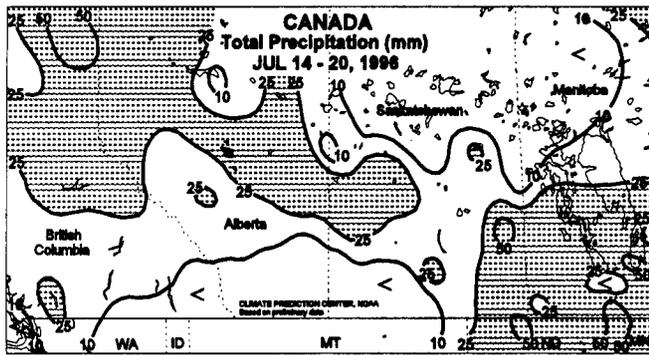




MEXICO

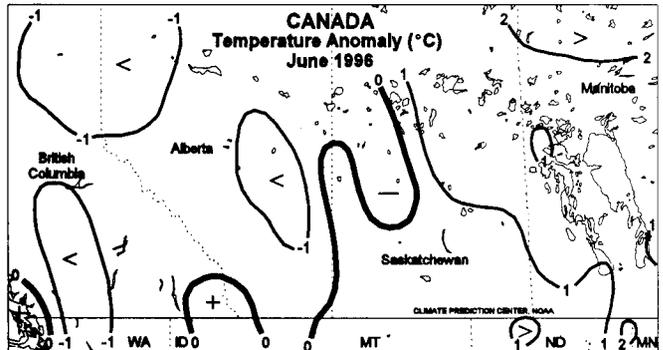
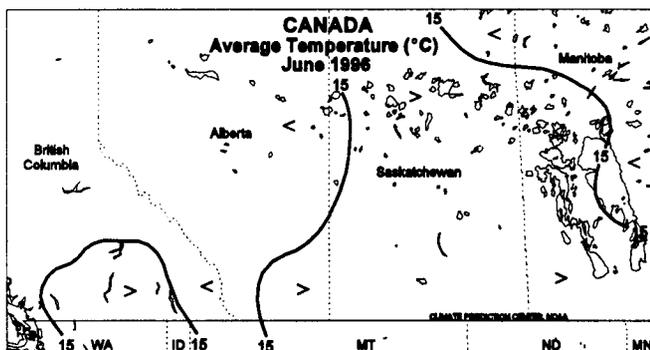
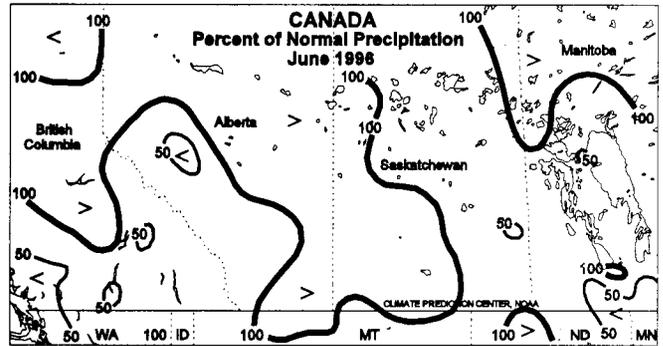
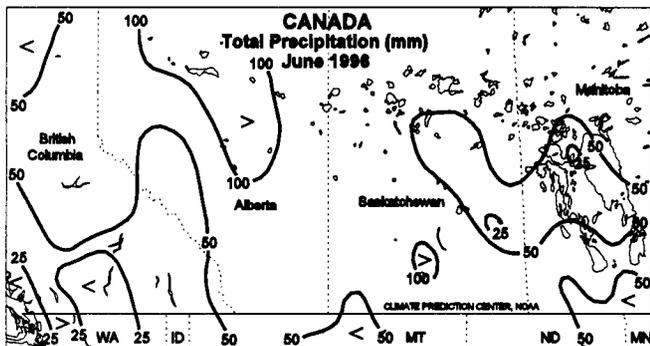
Dry weather continued across northeastern Mexico, intensifying long-term drought conditions (below-normal rainfall during 1994 and 1995 rainy seasons). This region typically receives about 15 mm a week during mid-July. Widespread showers (10-60 mm, with isolated amounts greater than 100 mm) covered the Southern Plateau corn belt, aiding vegetative corn. However, portions of the western corn belt (Michoacan) had been receiving below-normal rainfall during the past 2 weeks. Rain (10-45 mm) brought more drought relief to north-central and northwestern Mexico. Temperatures averaged 2 to 4 degrees C above normal across central and northern Mexico. During June, rainfall averaged near to below normal across the corn belt, indicative of an erratic start to the rainy season. Portions of northern Mexico (western Sonora, Chihuahua, and northern Durango) received near- to above-normal June rainfall, helping to reduce long-term moisture deficits. However, northeastern Mexico (Tamaulipas) received less than 25 percent of normal June rainfall that started to intensify long-term drought.





CANADA

Widespread rain (10-45 mm) covered most of the Prairies, maintaining adequate to abundant soil moisture for reproductive grains and oilseeds. Only extreme southern Alberta received little or no rain. However, cool weather (1-3 degrees C below normal) again prevailed across western crop areas, slowing crop development. Drier, warmer weather is needed, especially in the west, to reduce the threat of disease. In eastern Canada, widespread rain covered the crop areas of southern Ontario (25-55 mm) and Quebec (50-120 mm), aiding summer crops, but causing local flooding. Temperatures averaged near normal in the east. During June, weather across the Prairies periodically alternated between cool and wet versus warm and dry. June rainfall totaled near to above normal in the west and near to below normal in the east. The rain in the west, while locally excessive, provided beneficial subsoil moisture for establishment. Temperatures averaged near normal for the month, despite the wide variation. Grain and oilseed planting was late in most areas, ending in early June. In eastern Canada, frequent, above-normal rains kept Ontario's fields wet, resulting in corn and soybean planting delays. Quebec rainfall averaged near normal, while temperatures averaged slightly above normal for the month.



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U.S. DEPARTMENT OF COMMERCE

National Oceanic and Atmospheric Administration
National Weather Service/Climatic Prediction Center
Managing Editor **Douglas Le Comte** (202) 720-7919
Editor **Brad Rippey** (202) 720-1444
Meteorologists **David Secora, Jeff Savadel, Brian Morris**
Subscriptions **Joyce Houston** (202) 720-7917
fax (202) 720-1455

U.S. DEPARTMENT OF AGRICULTURE

Economic Research Service
E.R.S. Editor **Sharon Lee**
National Agricultural Statistics Service
Agricultural Statistician **Greg Preston** (202) 720-7621
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(Continued from page 11)

Soybeans Crop Condition by Percent

| | VP | P | F | G | EX |
|---------|----|----|----|----|----|
| AL | 0 | 3 | 50 | 42 | 5 |
| AR | 4 | 12 | 27 | 45 | 12 |
| GA | 2 | 10 | 37 | 48 | 3 |
| IL | 5 | 18 | 42 | 32 | 3 |
| IN | 4 | 17 | 41 | 32 | 6 |
| IA | 2 | 6 | 28 | 48 | 16 |
| KS | 0 | 3 | 23 | 60 | 14 |
| KY | 1 | 7 | 33 | 46 | 13 |
| LA | 0 | 5 | 27 | 55 | 13 |
| MI | 6 | 15 | 31 | 37 | 11 |
| MN | 1 | 7 | 37 | 49 | 6 |
| MS | 4 | 8 | 34 | 43 | 11 |
| MO | 3 | 12 | 37 | 43 | 5 |
| NE | 1 | 3 | 25 | 53 | 18 |
| NC | 1 | 6 | 28 | 56 | 9 |
| OH | 4 | 13 | 41 | 37 | 5 |
| SC | 2 | 7 | 23 | 63 | 5 |
| SD | 1 | 3 | 21 | 50 | 25 |
| TN | 1 | 2 | 23 | 54 | 20 |
| ALL | 3 | 10 | 34 | 43 | 10 |
| Prev Wk | 2 | 9 | 34 | 46 | 9 |
| Prev Yr | 1 | 10 | 35 | 45 | 9 |

Corn Crop Condition by Percent

| | VP | P | F | G | EX |
|---------|----|----|----|----|----|
| CO | 1 | 2 | 13 | 68 | 16 |
| GA | 5 | 16 | 34 | 39 | 6 |
| IL | 4 | 12 | 39 | 38 | 7 |
| IN | 3 | 16 | 38 | 36 | 7 |
| IA | 1 | 5 | 22 | 53 | 19 |
| KS | 0 | 2 | 13 | 56 | 29 |
| KY | 1 | 7 | 31 | 48 | 13 |
| MI | 8 | 12 | 35 | 33 | 12 |
| MN | 1 | 6 | 30 | 54 | 9 |
| MO | 2 | 10 | 30 | 45 | 13 |
| NE | 1 | 3 | 22 | 50 | 24 |
| NC | 7 | 15 | 30 | 43 | 5 |
| OH | 4 | 16 | 39 | 35 | 6 |
| PA | 2 | 4 | 17 | 48 | 29 |
| SD | 0 | 2 | 16 | 56 | 26 |
| TX | 19 | 13 | 31 | 22 | 15 |
| WI | 2 | 8 | 25 | 54 | 11 |
| ALL | 3 | 8 | 28 | 47 | 14 |
| Prev Wk | 3 | 8 | 28 | 48 | 13 |
| Prev Yr | 1 | 8 | 31 | 48 | 12 |

Cotton Crop Condition by Percent

| | VP | P | F | G | EX |
|---------|----|----|----|----|----|
| AL | 1 | 2 | 19 | 62 | 16 |
| AZ | 1 | 4 | 19 | 38 | 38 |
| AR | 0 | 7 | 22 | 57 | 14 |
| CA | 0 | 0 | 0 | 60 | 40 |
| GA | 1 | 8 | 30 | 48 | 13 |
| LA | 0 | 6 | 37 | 42 | 15 |
| MS | 3 | 6 | 28 | 54 | 9 |
| MO | 0 | 8 | 31 | 56 | 5 |
| NM | 0 | 8 | 18 | 64 | 10 |
| NC | 1 | 3 | 12 | 73 | 11 |
| OK | 0 | 9 | 25 | 62 | 4 |
| SC | 6 | 5 | 27 | 56 | 6 |
| TN | 0 | 2 | 18 | 63 | 17 |
| TX | 5 | 17 | 36 | 31 | 11 |
| ALL | 3 | 10 | 27 | 46 | 14 |
| Prev Wk | 5 | 13 | 26 | 41 | 15 |
| Prev Yr | 1 | 10 | 28 | 52 | 9 |

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

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