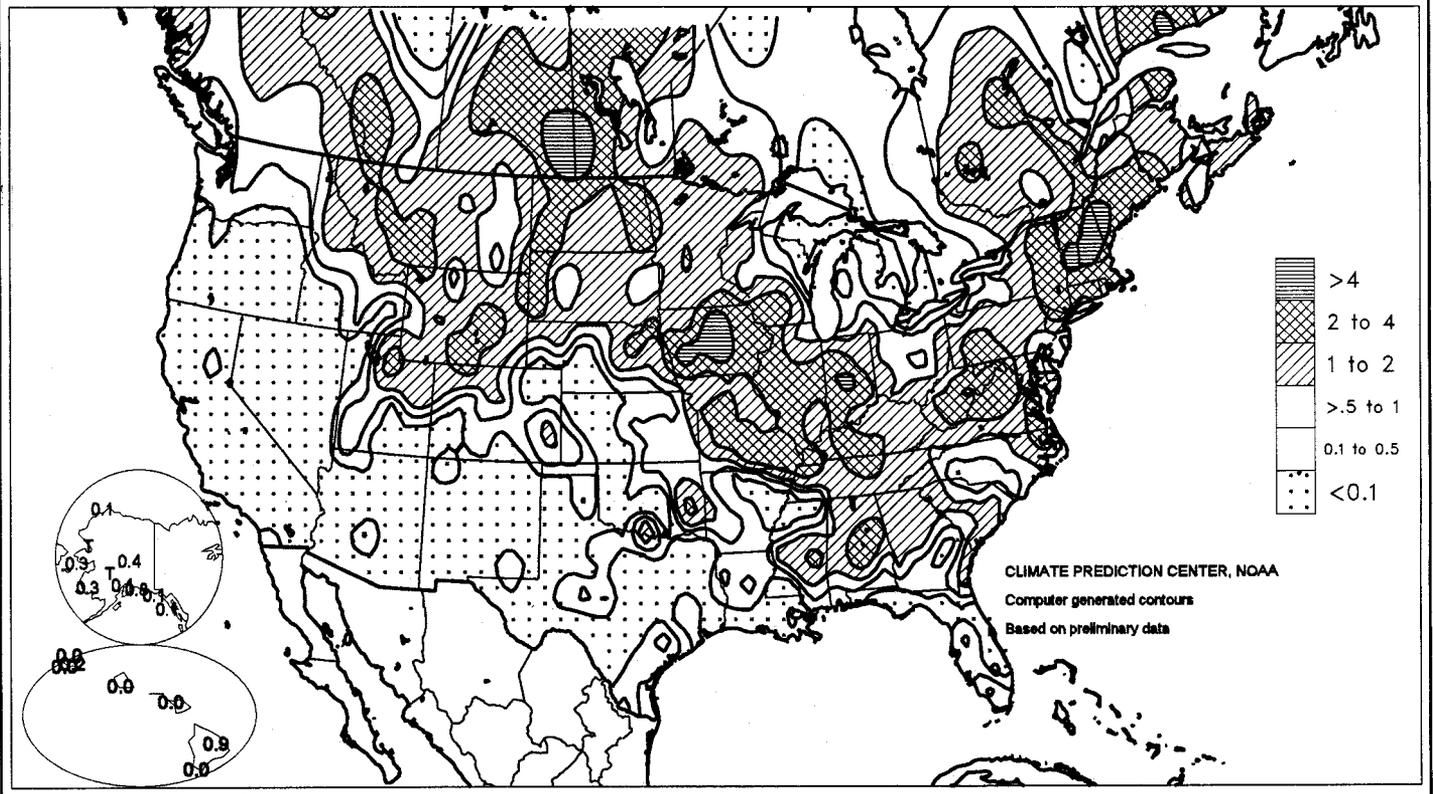


WEEKLY WEATHER AND CROP BULLETIN

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

Total Precipitation (Inches)
JUN 14 - 20, 1998



HIGHLIGHTS

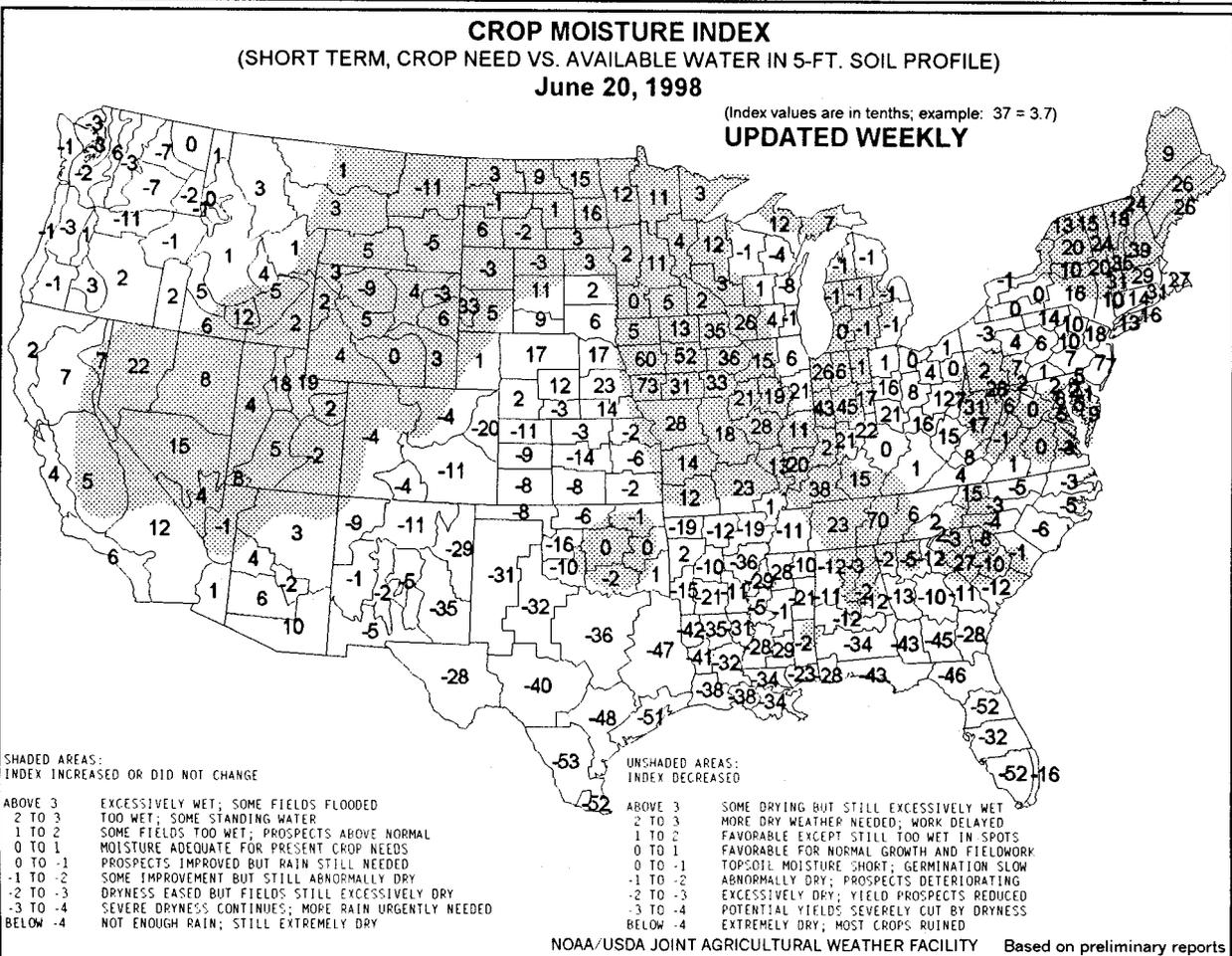
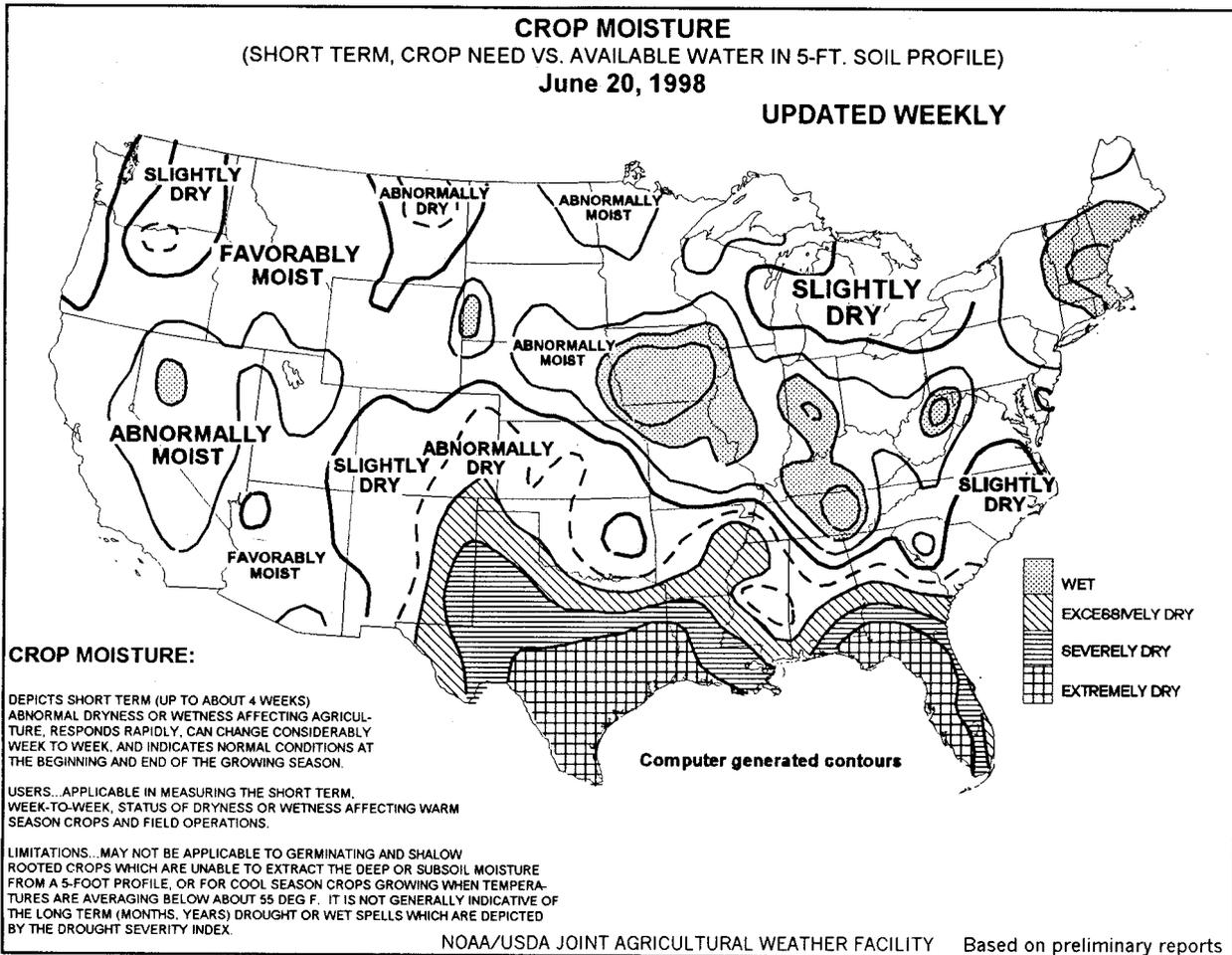
June 14 - 20, 1998

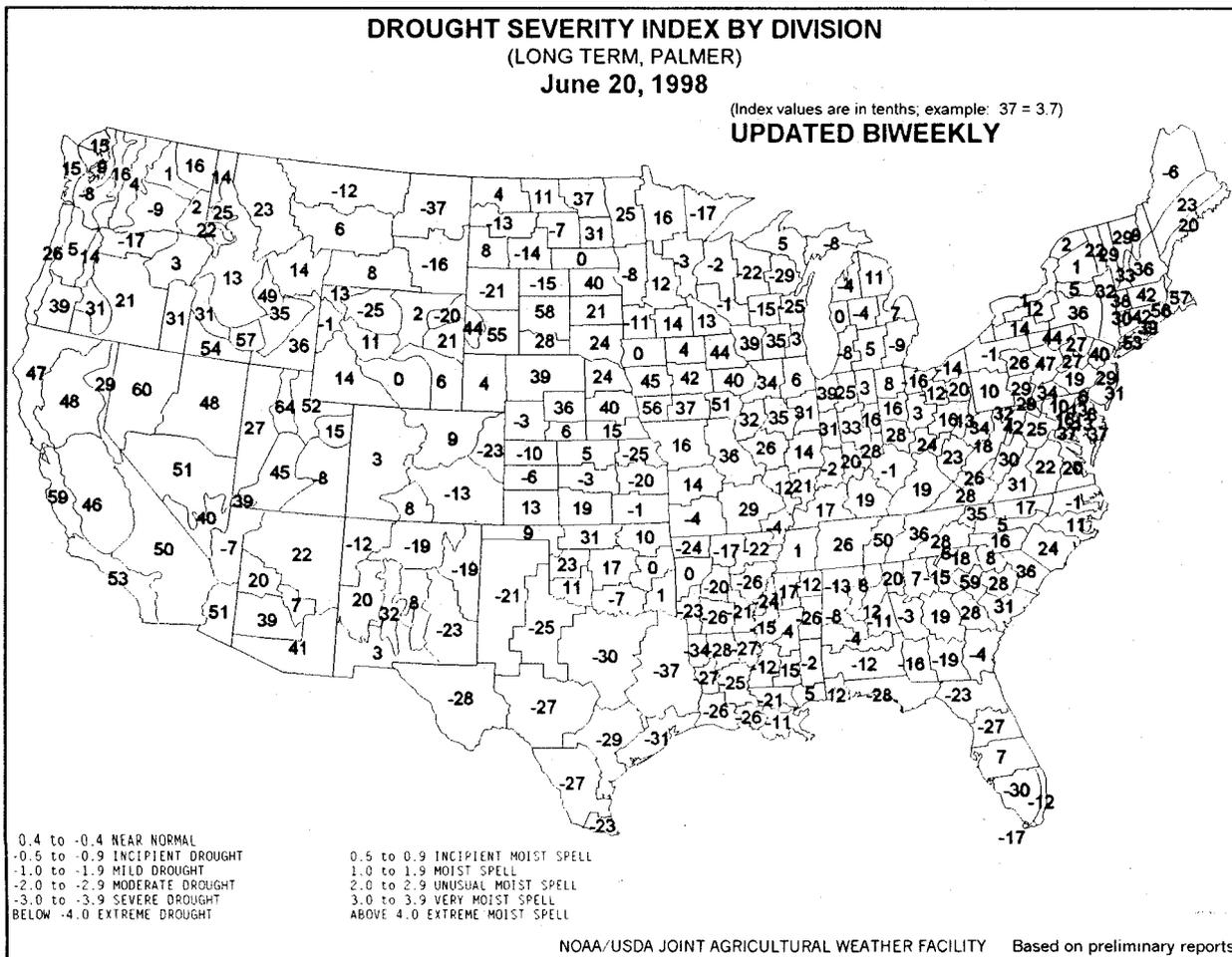
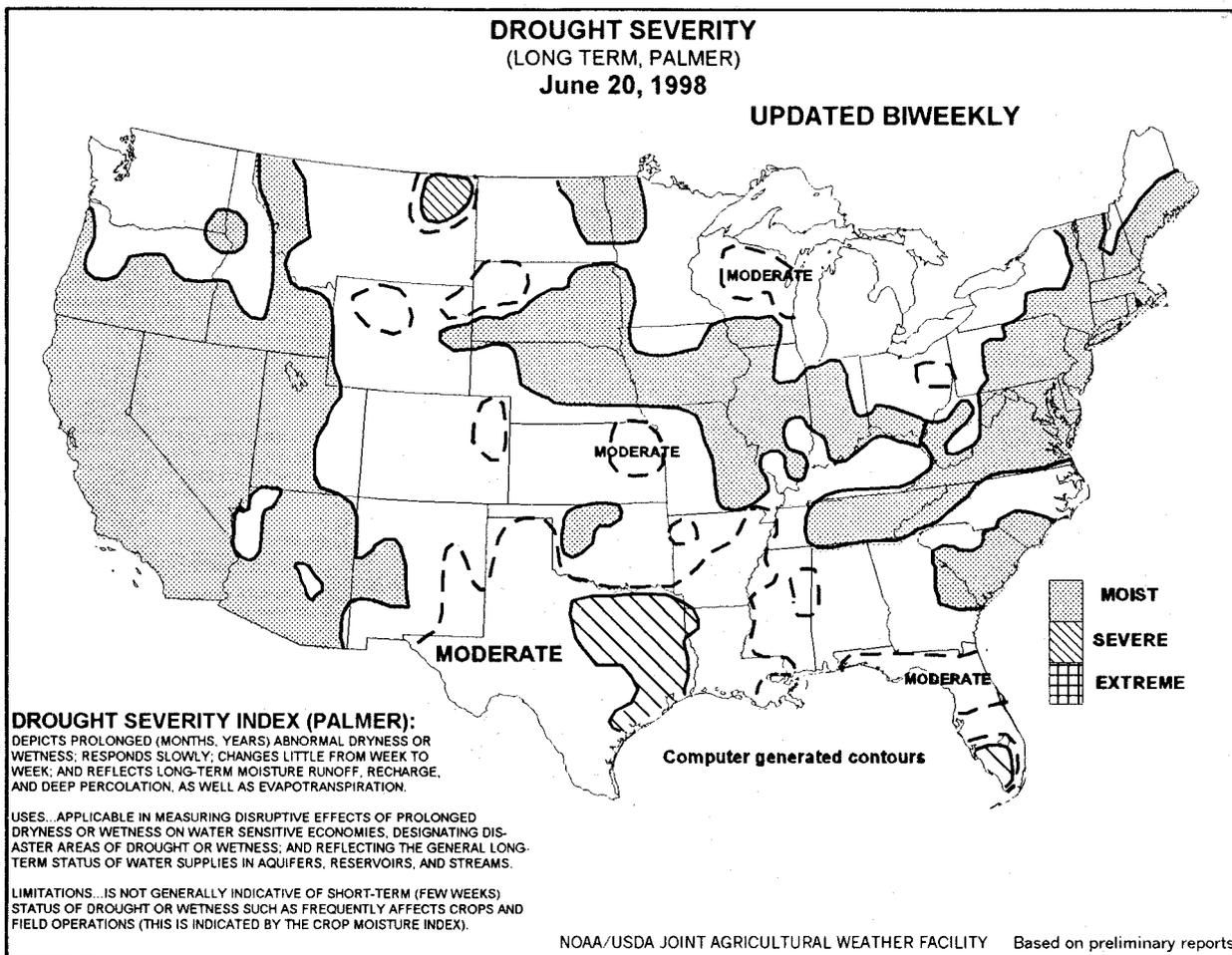
Significant rainfall maintained adequate to locally surplus moisture across the **Corn Belt** and further reduced topsoil moisture deficits on the **northern Plains**. In **New England**, rain lingered following early-week downpours, maintaining very wet conditions. In contrast, heat persisted and drought intensified from **eastern New Mexico** to **southern Georgia** and **Florida**, severely stressing dryland crops. Scattered beneficial showers dampened interior portions of the **Southeast**. Weekly temperatures averaged 2 to 9°F above normal in the drought area, but were 2 to 9°F below normal on the **northern Plains** and as much as 12°F below normal in **western Wyoming**. After 6 weeks of cool weather, temperatures approached normal levels in **California**.

(Continued on page 5)

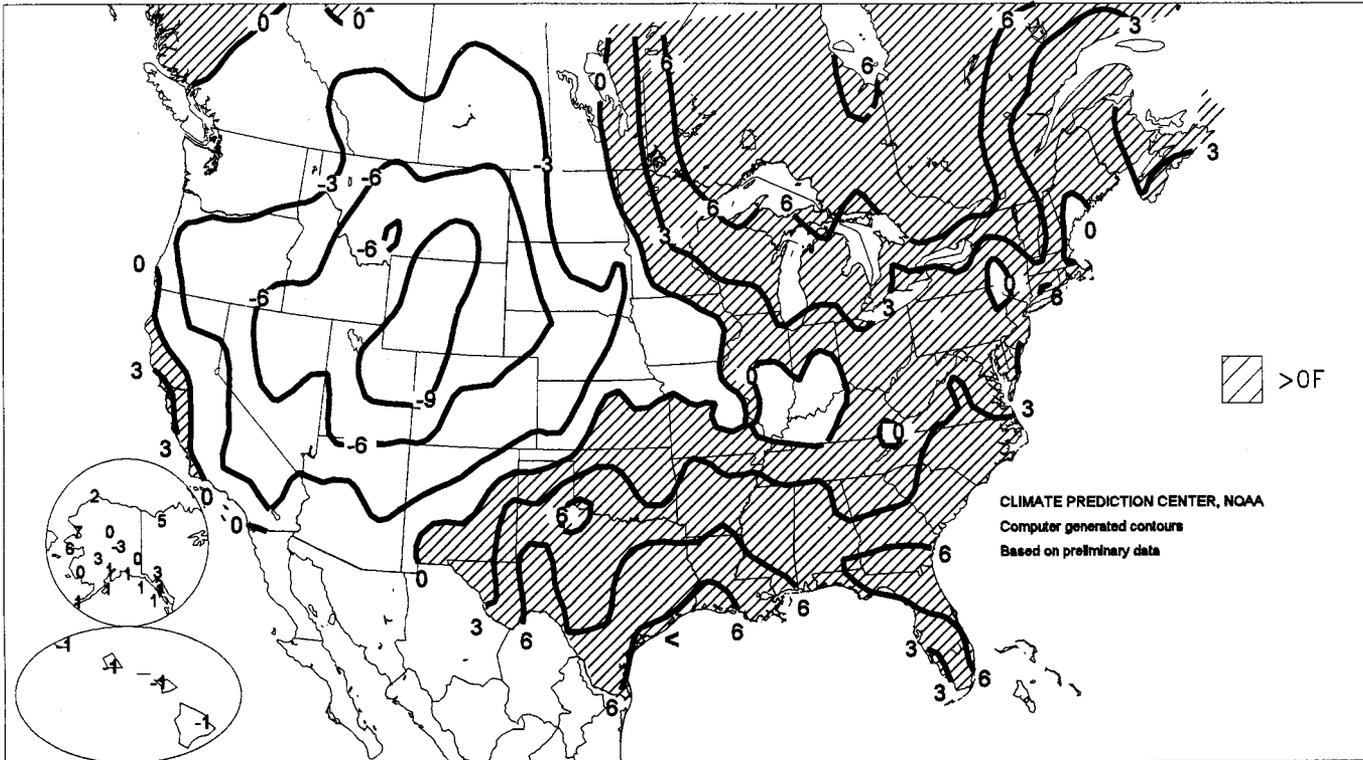
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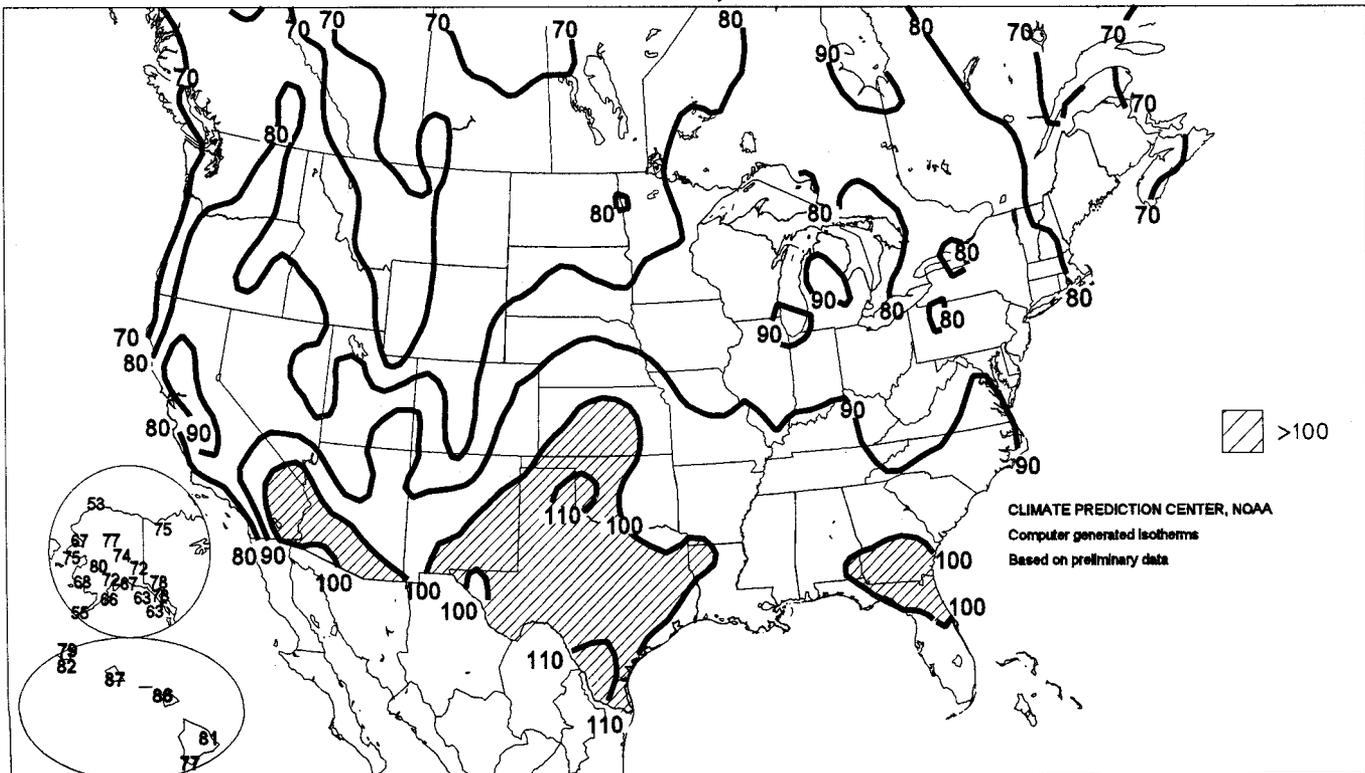




Departure of Average Temperature from Normal (°F) JUN 14 - 20, 1998



Extreme Maximum Temperature (°F) JUN 14 - 20, 1998



Record Rainfall in the Northeast and Midwest, Record Heat Across the South

June-Record Highest Minimum Temperature (°F)

| Location | Low/Date | Former Record |
|-------------|---------------|--------------------------|
| Midland, TX | 82 on June 20 | 79 in 1951 ★ |
| Tampa, FL | 81 on June 22 | 81 (dates not available) |

★ Midland's low on June 20 was also their highest on record for any month.

Record Number of June Days with Lows at or Above 80°F

| Location | Total (through June 22) | Former Record |
|-----------------|-------------------------|-----------------------|
| Brownsville, TX | 13 days | 12 days in 1880, 1980 |

June-Record High Temperature (°F)

| Location | High/Date | Former Record |
|---------------------|----------------|-----------------------------|
| Corpus Christi, TX | 106 on June 14 | 101 on June 27, 1980 ★ |
| Randolph AFB, TX | 108 on June 14 | not available ★ |
| Bergstrom AFB, TX | 109 on June 14 | not available ★ |
| Austin, TX | 108 on June 14 | 106 on 6/20/1925, 6/21/1936 |
| College Station, TX | 107 on June 14 | not available |
| San Antonio, TX | 107 on June 15 | 106 on June 21, 1936 |

★ Corpus Christi's all-time record had been 105°F, set on July 24, 1934. The highs at Bergstrom Air Force Base, near Austin, and at Randolph Air Force Base, near San Antonio, were also all-time records.

June-Record 24-Hour Rainfall

| Location | Total (Inches)/Date | Former Record |
|--------------------|---------------------|-------------------------|
| Atlantic, IA | 13.18 on June 14 | not available ★ |
| Blue Hill Obs., MA | 6.10 on June 13-14 | 5.06 on 5/31 - 6/1/1984 |
| Boston, MA | 5.99 on June 13-14 | 5.35 on June 9-10, 1875 |
| Providence, RI | 3.29 on June 13-14 | 3.14 on June 4-5, 1982 |

★ Atlantic's rainfall broke the all-time, 24-hour record for Iowa, which had been 12.99 inches in Larrabee (Cherokee County) on June 24, 1891.

Record Flooding

| Location | Crest (feet above flood stage)/Date |
|-------------------------------|--|
| Nishnabotna R. at Hamburg, IA | 15.18 feet on June 17 (was 12.56 feet on July 25, 1993) |

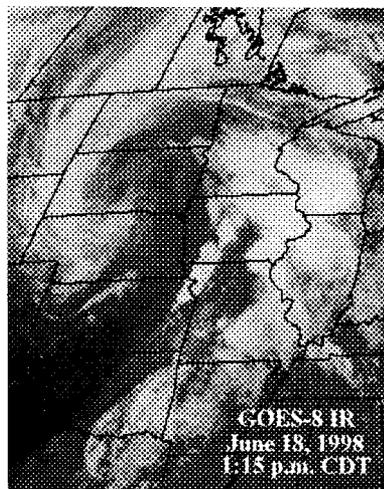
(Continued from front cover)

Early in the week, torrential rain continued to pelt parts of the **Northeast and Midwest**. Another 1.17 inches fell in **Boston, MA** on Sunday, boosting their storm-total rainfall to 6.94 inches. Elsewhere, storm totals reached 10.30 inches in **Sharon, MA** and 9.28 inches in **Ephratah (Fulton County), NY**. By week's end, monthly rainfall in **Portland, ME** reached 7.98 inches, their greatest June total since 1922. Many Northeastern rivers exceeded flood stage, including Thursday's crests on the **Charles River** at **Dover, MA** (about 1.7 feet above flood stage) and the **Connecticut River** at **Hartford, CT** (about 1.3 feet above flood stage). Farther west, weekly rainfall topped 4 inches in parts of **Iowa**. On Sunday, 13.18 inches inundated **Atlantic, IA**, setting a 24-hour rainfall record for the State. Downstream from **Atlantic** on the **Nishnabotna River**, record flooding struck **Hamburg, IA**. The crest there surged to 15.2 feet above flood stage on Wednesday, eclipsing the July 25, 1993, record by 2.6 feet. In **Des Moines, IA**, the **Raccoon River** at Fleur Drive crested on Tuesday at 8.3 feet above flood stage, the second-highest level on record, but 6.4 feet shy of the 1993 high-water mark. Later in the week, a daily-record total (2.89 inches) soaked **Dubuque, IA** on Thursday.

In **Billings, MT**, rain fell on 19 of the first 20 days of June, totaling 3.43 inches. However, their year-to-date rainfall--8.09 inches--was only 90 percent of normal. Farther west, welcomed dry weather arrived in **California**. In the **San Joaquin Valley**, streaks of below-normal temperatures ended on Monday at 41 days in **Fresno** and 42 days in **Bakersfield**. On Thursday, highs in those two cities reached 94 and 95°F, respectively. In the **Sierra Nevada**, the snow pack's water equivalent dropped from 21 inches on June 14 to 14 inches at week's end. Very cool weather

persisted, however, from the **Great Basin** to the **northern Plains**. Highs failed to reach 80°F during the week in **Elko, NV**, breaking their June 16, 1971, record for the latest such occurrence. In **Alta, UT**, where the high of Wednesday was 33°F, 22 inches of snow fell on June 16-17. **Salt Lake City, UT** netted 1.48 inches of rain on Wednesday, their second-wettest June day on record, boosting their monthly rainfall to a June-record 3.71 inches. Approximately 20 daily-record lows were set from June 15-19, including 30°F in **Winnemucca, NV** (on Wednesday), 28°F in **Alamosa, CO** (on Thursday), and 44°F in **Tribune, KS** (on Thursday).

About six dozen daily-record highs were set or tied across the **South** during the week. In **Texas**, an all-time-record high (106°F) was broken on June 14 in **Corpus Christi**, and June records were established in **Austin** (108°F on Sunday), **College Station** (107°F on Sunday), and **San Antonio** (107°F on Monday). **Orange Grove, TX** notched 117°F on June 14. Heat briefly surged into the **central Plains** at midweek and again at week's end, boosting highs to 101°F on Wednesday in **Salina, KS** and 108°F on Saturday in **Wichita, KS**. **Garden City, KS** posted a daily-record-tying high (100°F) on June 17, followed the next morning by a daily-record low of 48°F. Meanwhile, unrelenting heat baked **Florida**, where wildfires continued to burn in some areas. In **Melbourne, FL**, where temperatures were last below normal on April 25, daily-record highs were set on 16 of the month's first 20 days, including 10 in a row from June 11-20. In **Jacksonville, FL**, a high of 94°F on Saturday snapped an 8-day streak with highs at or above 99°F. A day earlier, **Jacksonville's** high had soared to 103°F. At week's end, heat again intensified on the **southern Plains**. On Saturday, highs rose to 113°F in **Childress, TX**, 110°F in **Hobart, OK**, and 110°F in **Carlsbad, NM**.



National Weather Data for Selected Cities

Weather Data for the Week Ending June 20, 1998

Data Provided by Climate Prediction Center (301-763-8000 EXT. 7511) and the Southern Regional Climate Center

| 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 | 0.1 INCH OR MORE | | |
| | | | | | | | | | | | | | | | | | | 01 INCH OR MORE | 50 INCH OR MORE | |
| AL BIRMINGHAM | 92 | 69 | 93 | 64 | 80 | 4 | 1.91 | 1.07 | 0.90 | 3.38 | 140 | 37.41 | 132 | 100 | 57 | 6 | 0 | 5 | 2 | |
| AL HUNTSVILLE | 92 | 69 | 97 | 62 | 80 | 4 | 0.18 | -0.76 | 0.08 | 1.42 | 52 | 26.83 | 91 | 90 | 42 | 6 | 0 | 3 | 0 | |
| AL MOBILE | 94 | 76 | 98 | 71 | 85 | 4 | 0.03 | -1.12 | 0.01 | 1.65 | 50 | 40.74 | 135 | 96 | 52 | 7 | 0 | 3 | 0 | |
| AL MONTGOMERY | 95 | 72 | 96 | 68 | 83 | 4 | 2.16 | 1.25 | 1.01 | 3.51 | 142 | 28.57 | 105 | 92 | 51 | 7 | 0 | 4 | 2 | |
| AK ANCHORAGE | 64 | 48 | 72 | 45 | 56 | 1 | 0.05 | -0.22 | 0.05 | 1.91 | 273 | 3.64 | 83 | 87 | 43 | 0 | 0 | 1 | 0 | |
| AK BARROW | 42 | 32 | 53 | 30 | 37 | 2 | 0.05 | -0.01 | 0.05 | 0.15 | 115 | 0.55 | 65 | 99 | 80 | 0 | 5 | 1 | 0 | |
| AK FAIRBANKS | 67 | 48 | 74 | 43 | 58 | -3 | 0.39 | 0.06 | 0.21 | 0.47 | 56 | 0.97 | 32 | 90 | 39 | 0 | 0 | 4 | 0 | |
| AK JUNEAU | 65 | 48 | 78 | 44 | 56 | 3 | 0.58 | -0.14 | 0.48 | 0.99 | 48 | 13.84 | 70 | 94 | 54 | 0 | 0 | 2 | 0 | |
| AK KODIAK | 59 | 44 | 66 | 41 | 51 | 1 | 0.82 | -0.28 | 0.47 | 4.37 | 131 | 52.50 | 173 | 94 | 49 | 0 | 0 | 3 | 0 | |
| AK NOME | 61 | 44 | 75 | 35 | 53 | 6 | 0.28 | 0.02 | 0.16 | 1.36 | 213 | 8.54 | 218 | 83 | 49 | 0 | 0 | 3 | 0 | |
| AZ FLAGSTAFF | 74 | 38 | 78 | 28 | 56 | -4 | 0.00 | -0.08 | 0.00 | 0.09 | 100 | 10.20 | 113 | 65 | 16 | 0 | 1 | 0 | 0 | |
| AZ PHOENIX | 99 | 73 | 104 | 67 | 86 | -3 | 0.73 | 0.70 | 0.84 | 0.76 | 2533 | 5.82 | 221 | 34 | 14 | 7 | 0 | 2 | 1 | |
| AZ PRESCOTT | 84 | 51 | 87 | 45 | 68 | 0 | 0.00 | -0.09 | 0.00 | 0.00 | 0 | 7.24 | 114 | 54 | 14 | 0 | 0 | 0 | 0 | |
| AZ TUCSON | 98 | 66 | 104 | 58 | 82 | -2 | 0.00 | -0.04 | 0.00 | 0.00 | 0 | 5.40 | 194 | 30 | 8 | 7 | 0 | 0 | 0 | |
| AZ YUMA | 101 | 72 | 105 | 66 | 86 | -2 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 1.59 | 164 | 45 | 17 | 7 | 0 | 0 | 0 | |
| AR FORT SMITH | 92 | 69 | 96 | 61 | 80 | 3 | 0.71 | -0.03 | 0.89 | 2.48 | 104 | 21.82 | 109 | 87 | 49 | 6 | 0 | 2 | 1 | |
| AR LITTLE ROCK | 94 | 73 | 98 | 64 | 83 | 4 | 1.51 | 0.75 | 0.71 | 3.05 | 134 | 22.78 | 94 | 87 | 46 | 7 | 0 | 2 | 0 | |
| CA BAKERSFIELD | 91 | 63 | 95 | 60 | 77 | -2 | 0.00 | -0.03 | 0.00 | 0.33 | 413 | 11.71 | 308 | 72 | 30 | 5 | 0 | 0 | 0 | |
| CA EUREKA | 63 | 46 | 70 | 42 | 55 | -1 | 0.00 | -0.14 | 0.00 | 0.12 | 24 | 58.41 | 150 | - | - | 0 | 0 | 0 | 0 | |
| CA FRESNO | 90 | 63 | 94 | 58 | 76 | -1 | 0.00 | -0.02 | 0.00 | 1.95 | 2786 | 15.99 | 230 | 82 | 28 | 3 | 0 | 0 | 0 | |
| CA LOS ANGELES | 70 | 61 | 73 | 60 | 66 | 0 | 0.01 | 0.01 | 0.01 | 0.09 | - | 23.84 | 308 | 94 | 68 | 0 | 0 | 1 | 0 | |
| CA REDDING | 88 | 57 | 92 | 54 | 72 | -4 | 0.00 | -0.12 | 0.00 | 1.75 | 398 | 47.27 | 253 | 81 | 22 | 2 | 0 | 0 | 0 | |
| CA SACRAM/MCCLELL | 87 | 60 | 93 | 55 | 73 | - | 0.00 | -0.99 | 0.00 | 0.14 | - | 24.07 | -999 | 83 | 26 | 2 | 0 | 0 | 0 | |
| CA SAN DIEGO | 70 | 62 | 72 | 60 | 66 | -1 | 0.02 | -0.01 | 0.02 | 0.50 | 625 | 14.47 | 234 | 86 | 64 | 0 | 0 | 1 | 0 | |
| CA SAN FRANCISCO | 76 | 55 | 83 | 52 | 65 | 4 | 0.00 | -0.03 | 0.00 | 0.03 | 38 | 28.58 | 234 | 87 | 48 | 0 | 0 | 0 | 0 | |
| CO ALAMOSA | 75 | 36 | 82 | 28 | 55 | -5 | 0.28 | 0.13 | 0.28 | 0.82 | 151 | 1.76 | 70 | 69 | 13 | 0 | 3 | 1 | 0 | |
| CO CO SPRINGS | 79 | 48 | 86 | 43 | 63 | -2 | 0.29 | -0.23 | 0.29 | 0.92 | 63 | 5.82 | 91 | 65 | 17 | 0 | 0 | 1 | 0 | |
| CO DENVER | 78 | 47 | 89 | 43 | 61 | -6 | 0.36 | -0.05 | 0.17 | 0.69 | 57 | 6.09 | 79 | 75 | 24 | 0 | 0 | 4 | 0 | |
| CO GRAND JUNCTION | 79 | 47 | 91 | 42 | 63 | -10 | 0.40 | 0.29 | 0.33 | 0.57 | 163 | 3.81 | 98 | 70 | 24 | 1 | 0 | 3 | 0 | |
| CO PUEBLO | 86 | 46 | 92 | 41 | 66 | -5 | 0.24 | -0.05 | 0.21 | 0.57 | 74 | 5.50 | 128 | 71 | 14 | 3 | 0 | 2 | 0 | |
| CT BRIDGEPORT | 77 | 63 | 83 | 60 | 70 | 2 | 1.29 | 0.49 | 1.02 | 4.57 | 198 | 30.94 | 154 | 97 | 67 | 0 | 0 | 5 | 1 | |
| CT HARTFORD | 80 | 63 | 85 | 61 | 71 | 2 | 1.51 | 0.64 | 0.86 | 2.93 | 114 | 25.49 | 122 | 99 | 65 | 0 | 0 | 7 | 1 | |
| DC WASHINGTON | 84 | 67 | 89 | 62 | 76 | -1 | 1.58 | 0.81 | 1.36 | 3.32 | 148 | 27.37 | 159 | 91 | 60 | 0 | 0 | 4 | 1 | |
| DE WILMINGTON | 83 | 64 | 89 | 61 | 74 | 2 | 0.99 | -0.73 | 0.07 | 3.53 | 152 | 23.22 | 122 | 96 | 58 | 0 | 0 | 3 | 0 | |
| FL DAYTONA BEACH | 99 | 74 | 101 | 71 | 86 | 6 | 0.00 | -1.45 | 0.00 | 0.09 | 2 | 15.94 | 87 | 94 | 38 | 7 | 0 | 0 | 0 | |
| FL JACKSONVILLE | 100 | 73 | 103 | 69 | 87 | 7 | 2.36 | 0.98 | 2.36 | 2.36 | 64 | 25.45 | 121 | 98 | 36 | 7 | 0 | 1 | 1 | |
| FL KEY WEST | 90 | 80 | 91 | 76 | 85 | 2 | 0.03 | -1.19 | 0.03 | 0.78 | 23 | 13.07 | 92 | 83 | 65 | 6 | 0 | 1 | 0 | |
| FL MIAMI | 93 | 80 | 96 | 77 | 87 | 5 | 0.20 | -2.04 | 0.20 | 2.28 | 36 | 19.94 | 91 | 84 | 51 | 7 | 0 | 1 | 0 | |
| FL ORLANDO | 99 | 74 | 100 | 72 | 86 | 5 | 0.16 | -1.62 | 0.16 | 0.54 | 12 | 21.18 | 114 | 102 | 38 | 7 | 0 | 1 | 0 | |
| FL TAMPA | 95 | 80 | 97 | 79 | 88 | 6 | 0.00 | -1.31 | 0.00 | 0.08 | 2 | 23.07 | 146 | 88 | 51 | 7 | 0 | 0 | 0 | |
| FL VALPARAISO/EGLIN | 91 | 76 | 95 | 73 | 84 | 4 | 0.50 | -0.80 | 0.00 | 0.65 | 20 | 26.19 | 99 | 94 | 56 | 6 | 0 | 1 | 1 | |
| FL WEST PALM BEACH | 95 | 77 | 98 | 74 | 86 | 5 | 0.00 | -1.93 | 0.00 | 0.40 | 7 | 24.93 | 106 | 92 | 49 | 7 | 0 | 0 | 0 | |
| GA ATHENS | 92 | 67 | 95 | 65 | 80 | 3 | 1.05 | 0.15 | 0.59 | 1.65 | 64 | 34.26 | 135 | 93 | 42 | 6 | 0 | 4 | 1 | |
| GA ATLANTA | 89 | 68 | 93 | 65 | 78 | 2 | 2.15 | 1.34 | 1.42 | 3.53 | 153 | 29.11 | 111 | 91 | 46 | 4 | 0 | 4 | 1 | |
| GA AUGUSTA | 94 | 68 | 97 | 61 | 81 | 3 | 0.00 | -0.96 | 0.00 | 1.94 | 71 | 31.10 | 136 | 91 | 42 | 7 | 0 | 0 | 0 | |
| GA COLUMBUS | 96 | 74 | 99 | 69 | 85 | 5 | 0.35 | -0.59 | 0.31 | 1.32 | 51 | 18.57 | 71 | 93 | 45 | 7 | 0 | 3 | 0 | |
| GA MACON | 95 | 70 | 99 | 67 | 83 | 4 | 1.72 | 0.89 | 1.10 | 2.94 | 127 | 27.94 | 119 | 97 | 44 | 7 | 0 | 3 | 2 | |
| GA SAVANNAH | 96 | 72 | 99 | 67 | 84 | 5 | 0.98 | -0.36 | 0.98 | 1.78 | 49 | 27.82 | 130 | 95 | 42 | 7 | 0 | 1 | 1 | |
| HI HILO | 80 | 68 | 81 | 65 | 74 | -1 | 0.92 | -0.45 | 0.73 | 3.04 | 75 | 22.85 | 36 | 91 | 65 | 0 | 0 | 3 | 1 | |
| HI HONOLULU | 85 | 72 | 87 | 69 | 78 | -1 | 0.02 | -0.15 | 0.02 | 0.07 | 19 | 1.78 | 16 | 78 | 50 | 0 | 0 | 0 | 0 | |
| HI KAHULUI | 84 | 69 | 86 | 68 | 76 | -1 | 0.00 | -0.06 | 0.00 | 0.00 | 0 | 2.39 | 19 | 88 | 55 | 0 | 0 | 0 | 0 | |
| HI LIHUE | 81 | 72 | 82 | 70 | 77 | -1 | 0.22 | -0.14 | 0.09 | 0.60 | 51 | 7.93 | 37 | 84 | 64 | 0 | 0 | 3 | 0 | |
| ID BOISE | 74 | 50 | 83 | 44 | 62 | -5 | 0.01 | -0.18 | 0.01 | 0.53 | 90 | 10.87 | 162 | 74 | 29 | 0 | 0 | 1 | 0 | |
| ID LEWISTON | 75 | 53 | 79 | 47 | 64 | -4 | 0.58 | 0.29 | 0.28 | 0.75 | 85 | 8.76 | 133 | 79 | 26 | 0 | 0 | 3 | 0 | |
| ID POCATELLO | 69 | 44 | 78 | 36 | 56 | -7 | 0.27 | 0.04 | 0.09 | 0.54 | 75 | 8.01 | 124 | 92 | 36 | 0 | 0 | 5 | 0 | |
| IL CHICAGO/O'HARE | 83 | 62 | 91 | 58 | 72 | 3 | 0.76 | -0.12 | 0.71 | 2.32 | 93 | 17.56 | 117 | 94 | 51 | 1 | 0 | 3 | 1 | |
| IL MOLINE | 81 | 62 | 88 | 59 | 72 | 0 | 2.80 | 1.81 | 1.28 | 5.48 | 196 | 24.44 | 146 | 96 | 69 | 0 | 0 | 6 | 2 | |
| IL PEORIA | 80 | 64 | 88 | 60 | 72 | 0 | 1.84 | 0.90 | 0.94 | 4.17 | 180 | 24.65 | 155 | 94 | 58 | 0 | 0 | 5 | 2 | |
| IL ROCKFORD | 81 | 60 | 87 | 57 | 70 | 1 | 0.05 | -1.02 | 0.04 | 2.16 | 72 | 17.62 | 116 | 95 | 56 | 0 | 0 | 2 | 0 | |
| IL SPRINGFIELD | 80 | 64 | 90 | 60 | 72 | -1 | 2.55 | 1.75 | 1.54 | 6.36 | 279 | 25.86 | 161 | 96 | 60 | 1 | 0 | 4 | 1 | |
| IN EVANSVILLE | 83 | 66 | 92 | 60 | 74 | -1 | 2.03 | 1.25 | 1.40 | 3.66 | 156 | 24.08 | 111 | 97 | 58 | 1 | 0 | 5 | 1 | |
| IN FORT WAYNE | 80 | 62 | 87 | 56 | 71 | 0 | 0.47 | -0.38 | 0.17 | 3.08 | 128 | 20.65 | 130 | 97 | 59 | 0 | 0 | 6 | 0 | |
| IN INDIANAPOLIS | 80 | 63 | 85 | 58 | 72 | -1 | 4.26 | 3.45 | 2.29 | 8.13 | 355 | 28.33 | 153 | 95 | 62 | 0 | 0 | 6 | 3 | |
| IN SOUTH BEND | 82 | 60 | 89 | 53 | 71 | 1 | 0.87 | -0.11 | 0.59 | 2.74 | 101 | 18.48 | 109 | 96 | 52 | 0 | 0 | 4 | 1 | |
| IA BURLINGTON | 83 | 66 | 89 | 63 | 74 | 2 | 3.28 | 2.33 | 1.39 | 6.14 | 230 | 26.72 | 176 | 86 | 55 | 0 | 0 | 4 | 3 | |
| IA CEDAR RAPIDS | 77 | 61 | 85 | 57 | 69 | -2 | 1.75 | 0.68 | 0.73 | 4.66 | 154 | 21.03 | 147 | 97 | 62 | 0 | 0 | 5 | 2 | |
| IA DES MOINES | 78 | 61 | 85 | 59 | 70 | -3 | 5.95 | 4.90 | 2.45 | 9.39 | 316 | 22.48 | 156 | 94 | 64 | 0 | 0 | 5 | 3 | |
| IA DUBUQUE | 78 | 60 | 85 | 58 | 69 | 1 | 3.53 | 2.57 | 2.89 | 5.38 | 193 | 23.17 | 143 | 93 | 55 | 0 | 0 | 7 | 1 | |
| IA SIOUX CITY | 79 | 59 | 87 | 51 | 69 | -2 | 1.08 | 0.21 | 0.44 | 3.79 | 152 | 18.06 | 154 | 94 | 54 | 0 | 0 | 5 | 0 | |
| IA WATERLOO | 79 | 62 | 89 | 59 | 70 | 1 | 3.03 | 1.98 | 1.31 | 6.71 | 230 | 22.20 | 153 | 99 | 61 | 0 | 0 | 5 | 3 | |
| KS CONCORDIA | 88 | 62 | 89 | 52 | 75 | 1 | 0.12 | -0.93 | 0.12 | 1.82 | 60 | 11.93 | 90 | 86 | 33 | 3 | 0 | 1 | 0 | |
| KS DODGE CITY | 91 | 58 | 99 | 52 | 74 | 0 | 0.00 | -0.72 | 0.00 | 0.24 | 12 | 7.82 | 80 | 74 | 22 | 4 | 0 | 0 | 0 | |
| KS GOODLAND | 85 | 60 | 94 | 45 | 68 | -2 | 0.08 | -0.66 | 0.08 | 0.26 | 12 | 3.78 | 43 | 73 | 21 | 2 | 0 | 1 | 0 | |
| KS TOPEKA | 87 | 62 | 94 | 54 | 74 | 0 | 0.54 | -0.78 | 0.31 | 3.88 | 102 | 12.58 | 80 | 87 | | | | | | |

Weather Data for the Week Ending June 20, 1998

| 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 | PRECIP. | |
| | | | | | | | | | | | | | | | | | | .01 INCH OR MORE | .50 INCH OR MORE |
| KY WICHITA | 83 | 63 | 108 | 53 | 78 | 2 | 0.00 | -1.02 | 0.00 | 0.31 | 11 | 10.89 | 82 | 75 | 25 | 5 | 0 | 0 | 0 |
| KY JACKSON | 81 | 63 | 87 | 58 | 72 | 0 | 0.58 | -0.40 | 0.30 | 4.30 | 156 | 31.67 | 133 | 92 | 54 | 0 | 0 | 3 | 0 |
| KY LEXINGTON | 82 | 64 | 90 | 57 | 73 | 0 | 0.89 | -0.14 | 0.22 | 3.60 | 151 | 26.94 | 122 | 93 | 57 | 1 | 0 | 3 | 0 |
| KY LOUISVILLE | 83 | 66 | 92 | 82 | 74 | 1 | 0.81 | -0.17 | 0.29 | 3.43 | 150 | 23.54 | 107 | 92 | 57 | 1 | 0 | 4 | 0 |
| KY PADUCAH | 85 | 66 | 92 | 80 | 76 | 0 | 1.10 | 0.17 | 0.84 | 9.04 | 330 | 29.01 | 117 | 93 | 55 | 2 | 0 | 3 | 1 |
| LA BATON ROUGE | 98 | 77 | 97 | 75 | 86 | 6 | 0.04 | -0.99 | 0.04 | 0.81 | 29 | 30.78 | 109 | 96 | 47 | 7 | 0 | 1 | 0 |
| LA LAKE CHARLES | 93 | 78 | 94 | 77 | 86 | 5 | 0.18 | -0.96 | 0.17 | 1.55 | 48 | 22.93 | 97 | 92 | 58 | 7 | 0 | 2 | 0 |
| LA NEW ORLEANS | 95 | 78 | 96 | 77 | 87 | 7 | 0.66 | -0.73 | 0.66 | 2.14 | 56 | 36.48 | 128 | 92 | 53 | 7 | 0 | 1 | 1 |
| LA SHREVEPORT | 99 | 75 | 102 | 69 | 87 | 7 | 0.00 | -0.98 | 0.00 | 1.25 | 42 | 19.50 | 84 | 89 | 37 | 7 | 0 | 0 | 0 |
| ME CARIBOU | 72 | 59 | 80 | 57 | 68 | 5 | 1.05 | 0.38 | 0.75 | 1.98 | 106 | 17.85 | 126 | 97 | 69 | 0 | 0 | 6 | 1 |
| ME PORTLAND | 68 | 56 | 74 | 54 | 62 | -1 | 3.83 | 2.83 | 1.87 | 5.81 | 241 | 27.57 | 134 | 100 | 77 | 0 | 0 | 5 | 2 |
| MD BALTIMORE | 85 | 63 | 90 | 59 | 74 | 1 | 0.92 | 0.07 | 0.43 | 2.85 | 109 | 26.74 | 142 | 98 | 51 | 1 | 0 | 4 | 0 |
| MA BOSTON | 71 | 57 | 80 | 56 | 64 | -4 | 2.78 | 2.06 | 1.06 | 9.03 | 432 | 33.93 | 171 | 100 | 73 | 0 | 0 | 6 | 2 |
| MA WORCESTER | 73 | 61 | 78 | 58 | 67 | 2 | 2.41 | 1.51 | 1.39 | 6.90 | 263 | 27.57 | 138 | 99 | 78 | 0 | 0 | 7 | 1 |
| MI ALPENA | 78 | 55 | 84 | 51 | 66 | 4 | 0.06 | -0.66 | 0.02 | 0.79 | 39 | 16.24 | 135 | 98 | 56 | 0 | 0 | 4 | 0 |
| MI GRAND RAPIDS | 82 | 60 | 90 | 53 | 71 | 4 | 0.36 | -0.52 | 0.34 | 1.40 | 57 | 18.41 | 124 | 94 | 47 | 1 | 0 | 2 | 0 |
| MI HOUGHTON LAKE | 81 | 53 | 88 | 48 | 67 | 4 | 0.17 | -0.55 | 0.17 | 0.88 | 43 | 11.42 | 99 | 98 | 44 | 0 | 0 | 1 | 0 |
| MI LANSING | 82 | 57 | 88 | 52 | 70 | 3 | 0.74 | -0.15 | 0.68 | 2.00 | 80 | 15.66 | 120 | 96 | 44 | 0 | 0 | 4 | 1 |
| MI MARQUETTE | 74 | 54 | 84 | 46 | 64 | 4 | 0.00 | -0.84 | 0.00 | 2.40 | 108 | 14.43 | 99 | - | - | 0 | 0 | 0 | 0 |
| MI MUSKEGON | 82 | 57 | 89 | 51 | 69 | 4 | 0.13 | -0.42 | 0.12 | 1.08 | 67 | 13.09 | 97 | 94 | 49 | 0 | 0 | 2 | 0 |
| MI DULUTH | 74 | 54 | 78 | 50 | 64 | 4 | 1.72 | 0.81 | 1.61 | 5.19 | 205 | 15.14 | 129 | 96 | 57 | 0 | 0 | 3 | 1 |
| MI INT'L FALLS | 78 | 55 | 82 | 47 | 68 | 4 | 1.47 | 0.53 | 1.14 | 2.08 | 81 | 9.83 | 105 | 97 | 53 | 0 | 0 | 4 | 1 |
| MI MINNEAPOLIS | 80 | 61 | 82 | 59 | 71 | 2 | 1.36 | 0.40 | 0.84 | 2.33 | 86 | 15.30 | 124 | 92 | 55 | 0 | 0 | 4 | 1 |
| MI ROCHESTER | 77 | 58 | 80 | 57 | 68 | 1 | 1.55 | 0.68 | 0.55 | 2.92 | 120 | 14.85 | 124 | 95 | 57 | 0 | 0 | 4 | 1 |
| MI ST. CLOUD | 78 | 59 | 81 | 57 | 69 | 3 | 1.25 | 0.15 | 1.05 | 2.27 | 73 | 10.41 | 91 | 94 | 54 | 0 | 0 | 6 | 1 |
| MS JACKSON | 94 | 74 | 96 | 69 | 84 | 5 | 1.81 | 0.91 | 1.61 | 3.23 | 153 | 29.59 | 104 | 94 | 52 | 7 | 0 | 1 | 1 |
| MS MERIDIAN | 92 | 72 | 93 | 68 | 82 | 4 | 2.02 | 1.19 | 2.01 | 4.90 | 210 | 33.43 | 113 | 98 | 56 | 7 | 0 | 2 | 1 |
| MS TUPELO | 93 | 72 | 96 | 64 | 82 | 5 | 0.35 | -0.51 | 0.25 | 1.56 | 80 | 26.59 | 91 | 91 | 43 | 6 | 0 | 2 | 0 |
| MO COLUMBIA | 83 | 64 | 91 | 60 | 73 | 1 | 1.30 | 0.30 | 0.72 | 5.92 | 199 | 22.79 | 125 | 94 | 55 | 1 | 0 | 6 | 1 |
| MO KANSAS CITY | 85 | 63 | 93 | 58 | 74 | 0 | 2.31 | 1.22 | 0.98 | 5.51 | 172 | 14.90 | 93 | 83 | 49 | 3 | 0 | 6 | 2 |
| MO SAINT LOUIS | 84 | 67 | 91 | 63 | 78 | 0 | 1.46 | 0.61 | 0.56 | 5.94 | 240 | 26.00 | 149 | 90 | 51 | 2 | 0 | 5 | 1 |
| MO SPRINGFIELD | 84 | 63 | 92 | 57 | 74 | 0 | 1.46 | 0.25 | 1.13 | 3.12 | 89 | 23.04 | 116 | 94 | 54 | 1 | 0 | 3 | 1 |
| MT BILLINGS | 84 | 48 | 74 | 43 | 56 | -9 | 1.52 | 1.06 | 0.61 | 4.29 | 298 | 9.01 | 108 | 98 | 51 | 0 | 0 | 6 | 1 |
| MT BUTTE | 58 | 41 | 66 | 37 | 50 | -7 | 0.90 | 0.39 | 0.44 | 1.96 | 132 | 8.63 | 145 | 94 | 49 | 0 | 0 | 7 | 0 |
| MT GLASGOW | 69 | 50 | 74 | 48 | 59 | -6 | 1.45 | 0.95 | 0.39 | 2.58 | 182 | 6.18 | 125 | 96 | 42 | 0 | 0 | 6 | 0 |
| MT GREAT FALLS | 62 | 47 | 68 | 45 | 55 | -7 | 0.98 | 0.42 | 0.40 | 4.04 | 238 | 9.89 | 120 | 93 | 52 | 0 | 0 | 7 | 0 |
| MT KALISPELL | 85 | 46 | 89 | 41 | 55 | -3 | 1.85 | 1.33 | 0.79 | 3.37 | 217 | 12.32 | 152 | 98 | 51 | 0 | 0 | 7 | 1 |
| MT MILES CITY | 66 | 50 | 74 | 47 | 58 | -8 | 0.36 | -0.30 | 0.20 | 2.07 | 108 | 5.31 | 74 | 95 | 47 | 0 | 0 | 4 | 0 |
| MT MISSOULA | 83 | 48 | 74 | 43 | 58 | -5 | 1.59 | 1.17 | 1.03 | 3.45 | 272 | 11.89 | 168 | 94 | 51 | 0 | 0 | 5 | 1 |
| NE GRAND ISLAND | 82 | 57 | 96 | 51 | 69 | -3 | 0.48 | -0.44 | 0.37 | 2.26 | 84 | 14.74 | 122 | 91 | 43 | 2 | 0 | 3 | 0 |
| NE LINCOLN | 83 | 60 | 93 | 50 | 72 | -2 | 1.55 | 0.64 | 1.15 | 4.06 | 153 | 16.89 | 133 | 93 | 48 | 2 | 0 | 4 | 1 |
| NE NORFOLK | 79 | 58 | 88 | 49 | 68 | -3 | 1.73 | 0.87 | 1.26 | 7.06 | 232 | 16.42 | 135 | 92 | 47 | 0 | 0 | 4 | 1 |
| NE NORTH PLATTE | 80 | 49 | 90 | 45 | 64 | -4 | 0.29 | -0.49 | 0.17 | 3.53 | 156 | 9.11 | 94 | 93 | 35 | 1 | 0 | 2 | 0 |
| NE OMAHA | 80 | 62 | 90 | 55 | 71 | -2 | 3.23 | 2.34 | 1.86 | 7.73 | 291 | 22.50 | 168 | 94 | 54 | 1 | 0 | 5 | 2 |
| NE SCOTTSBLUFF | 74 | 49 | 89 | 45 | 61 | -7 | 0.45 | -0.16 | 0.30 | 2.07 | 114 | 7.19 | 88 | 92 | 36 | 0 | 0 | 3 | 0 |
| NE VALENTINE | 76 | 51 | 88 | 47 | 64 | -5 | 0.80 | -0.06 | 0.28 | 3.05 | 158 | 8.85 | 102 | 93 | 43 | 0 | 0 | 4 | 0 |
| NV ELY | 71 | 38 | 81 | 34 | 54 | -6 | 0.03 | -0.17 | 0.03 | 2.33 | 376 | 7.58 | 149 | 80 | 23 | 0 | 0 | 1 | 0 |
| NV LAS VEGAS | 94 | 68 | 98 | 60 | 81 | -4 | 0.00 | -0.03 | 0.00 | 0.09 | 113 | 4.44 | 231 | 36 | 18 | 8 | 0 | 0 | 0 |
| NV RENO | 80 | 50 | 85 | 43 | 65 | -1 | 0.02 | -0.09 | 0.02 | 1.63 | 479 | 8.93 | 212 | 68 | 17 | 0 | 0 | 1 | 0 |
| NV WINNEMUCCA | 76 | 41 | 84 | 30 | 59 | -6 | 0.00 | -0.20 | 0.00 | 1.13 | 185 | 10.49 | 236 | 78 | 23 | 0 | 1 | 0 | 0 |
| NH CONCORD | 76 | 62 | 84 | 60 | 69 | 4 | 3.33 | 2.59 | 1.12 | 6.89 | 323 | 22.89 | 143 | 96 | 58 | 0 | 0 | 7 | 3 |
| NJ NEWARK | 82 | 66 | 88 | 63 | 74 | 1 | 1.81 | 1.09 | 0.99 | 4.14 | 198 | 30.69 | 151 | 93 | 55 | 0 | 0 | 5 | 1 |
| NM ALBUQUERQUE | 88 | 58 | 94 | 55 | 73 | -2 | 0.00 | -0.13 | 0.00 | 0.26 | 78 | 4.04 | 148 | 30 | 8 | 3 | 0 | 0 | 0 |
| NY ALBANY | 78 | 63 | 85 | 60 | 70 | 3 | 3.39 | 2.54 | 1.62 | 5.41 | 222 | 24.03 | 148 | 96 | 65 | 0 | 0 | 5 | 2 |
| NY BINGHAMTON | 74 | 59 | 81 | 56 | 67 | 2 | 0.51 | -0.34 | 0.23 | 2.69 | 112 | 23.96 | 148 | 99 | 68 | 0 | 0 | 4 | 0 |
| NY BUFFALO | 75 | 59 | 82 | 56 | 67 | 1 | 0.26 | -0.57 | 0.16 | 1.69 | 71 | 19.71 | 122 | 98 | 64 | 0 | 0 | 3 | 0 |
| NY ROCHESTER | 78 | 59 | 83 | 58 | 69 | 3 | 1.30 | 0.59 | 1.27 | 2.21 | 109 | 18.13 | 131 | 97 | 58 | 0 | 0 | 2 | 1 |
| NY SYRACUSE | 77 | 62 | 84 | 59 | 70 | 4 | 1.83 | 0.94 | 1.27 | 2.73 | 110 | 18.14 | 111 | 97 | 62 | 0 | 0 | 5 | 1 |
| NC ASHEVILLE | 83 | 59 | 87 | 53 | 71 | 1 | 0.28 | -0.71 | 0.11 | 2.78 | 98 | 33.75 | 151 | 97 | 48 | 0 | 0 | 6 | 0 |
| NC CHARLOTTE | 91 | 71 | 94 | 67 | 81 | 5 | 0.28 | -0.49 | 0.28 | 3.35 | 150 | 23.64 | 114 | 83 | 39 | 6 | 0 | 1 | 0 |
| NC GREENSBORO | 86 | 67 | 89 | 63 | 77 | 3 | 0.38 | -0.50 | 0.23 | 2.64 | 105 | 28.09 | 144 | 87 | 45 | 0 | 0 | 3 | 0 |
| NC HATTERAS | 83 | 74 | 87 | 70 | 79 | 4 | 1.43 | 0.47 | 0.91 | 3.04 | 113 | 33.08 | 138 | 92 | 69 | 0 | 0 | 3 | 2 |
| NC RALEIGH | 90 | 68 | 93 | 62 | 79 | 4 | 1.39 | 0.54 | 0.79 | 3.25 | 132 | 30.75 | 154 | 92 | 44 | 4 | 0 | 2 | 2 |
| NC WILMINGTON | 91 | 73 | 93 | 67 | 82 | 5 | 1.45 | 0.04 | 1.15 | 4.05 | 108 | 34.96 | 156 | 92 | 46 | 6 | 0 | 5 | 1 |
| ND BISMARCK | 72 | 56 | 77 | 47 | 64 | -1 | 1.08 | 0.43 | 0.68 | 2.12 | 118 | 6.04 | 82 | 95 | 51 | 0 | 0 | 4 | 1 |
| ND DICKINSON | 65 | 51 | 74 | 44 | 58 | -6 | 4.58 | 3.81 | 3.27 | 5.93 | 270 | 11.55 | 143 | 95 | 60 | 0 | 0 | 4 | 2 |
| ND FARGO | 74 | 59 | 79 | 56 | 67 | 1 | 3.84 | 3.18 | 3.03 | 5.34 | 296 | 16.58 | 199 | 94 | 61 | 0 | 0 | 4 | 2 |
| ND GRAND FORKS | 73 | 57 | 82 | 52 | 65 | 0 | 3.43 | 2.75 | 1.52 | 3.61 | 194 | 8.97 | 121 | 96 | 63 | 0 | 0 | 5 | 2 |
| ND JAMESTOWN | 71 | 57 | 77 | 51 | 64 | -2 | 0.75 | 0.03 | 0.56 | 2.33 | 121 | 8.81 | 118 | 97 | 59 | 0 | 0 | 4 | 1 |
| ND WILLISTON | 69 | 51 | 79 | 39 | 60 | -5 | 1.50 | 0.96 | 0.91 | 2.51 | 166 | 6.03 | 94 | 93 | 55 | 0 | 0 | 4 | 1 |
| OH AKRON-CANTON | 77 | 61 | 85 | 59 | 69 | 1 | 0.83 | 0.11 | 0.51 | 3.11 | 150 | 20.54 | 123 | 96 | 58 | 0 | 0 | 4 | 1 |
| OH CINCINNATI | 81 | 63 | 89 | 57 | 72 | 0 | 1.82 | 0.94 | 0.70 | 7.56 | 298 | 32.27 | 161 | 99 | 65 | 0 | 0 | 4 | 1 |
| OH CLEVELAND | 79 | 62 | 86 | 60 | 71 | 2 | 0.12 | -0.74 | 0.06 | 2.43 | 100 | 19.48 | 120 | 96 | 53 | 0 | 0 | 4 | 0 |
| OH COLUMBUS | 82 | 64 | 88 | 61 | 73 | 4 | 1.26 | 0.32 | 0.85 | 2.90 | 108 | 19.18 | 110 | 91 | 50 | 0 | 0 | 4 | 1 |
| OH DAYTON | 80 | 63 | 87 | 58 | 71 | 0 | 1.81 | 0.93 | 0.74 | 5.24 | 204 | 24.13 | 137 | 94 | 58 | 0 | 0 | 5 | 2 |
| OH MANSFIELD | 78 | 63 | 85 | 59 | 70 | 2 | 1.15 | 0.24 | 0.94 | 4.14 | 156 | 18.34 | 102 | 97 | 61 | 0 | 0 | 3 | 1 |

Weather Data for the Week Ending June 20, 1998

| 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 | 50 INCH OR MORE | | |
| OK TOLEDO | 83 | 63 | 89 | 59 | 73 | 4 | 0.40 | -0.48 | 0.28 | 1.19 | 48 | 17.85 | 123 | 95 | 50 | 0 | 0 | 2 | 0 | | |
| OK YOUNGSTOWN | 77 | 58 | 83 | 55 | 68 | 1 | 0.56 | -0.37 | 0.36 | 2.74 | 106 | 21.55 | 131 | 100 | 59 | 0 | 0 | 3 | 0 | | |
| OK OKLAHOMA CITY | 93 | 68 | 99 | 58 | 81 | 4 | 0.00 | -0.99 | 0.00 | 2.69 | 88 | 19.02 | 116 | 80 | 34 | 6 | 0 | 0 | 0 | | |
| OR TULSA | 91 | 70 | 97 | 62 | 81 | 2 | 0.00 | -1.01 | 0.00 | 1.36 | 43 | 19.47 | 100 | 80 | 42 | 5 | 0 | 0 | 0 | | |
| OR ASTORIA | 80 | 50 | 66 | 47 | 55 | -2 | 0.25 | -0.31 | 0.16 | 0.95 | 55 | 44.16 | 130 | 98 | 74 | 0 | 0 | 2 | 0 | | |
| OR BURNS | 70 | 40 | 77 | 35 | 55 | -3 | 0.00 | -0.19 | 0.00 | 0.58 | 97 | 11.02 | 222 | 88 | 31 | 0 | 0 | 0 | 0 | | |
| OR EUGENE | 71 | 46 | 78 | 42 | 58 | -4 | 0.02 | -0.31 | 0.02 | 0.34 | 32 | 27.37 | 108 | 89 | 45 | 0 | 0 | 1 | 0 | | |
| OR MEDFORD | 81 | 49 | 88 | 44 | 65 | -2 | 0.00 | -0.13 | 0.00 | 0.43 | 98 | 17.72 | 196 | 83 | 26 | 0 | 0 | 0 | 0 | | |
| OR PENDLETON | 76 | 50 | 82 | 47 | 63 | -3 | 0.04 | -0.10 | 0.03 | 0.68 | 145 | 8.28 | 130 | 75 | 30 | 0 | 0 | 2 | 0 | | |
| OR PORTLAND | 70 | 53 | 82 | 51 | 62 | -2 | 0.13 | -0.21 | 0.09 | 0.65 | 60 | 23.34 | 128 | 92 | 48 | 0 | 0 | 3 | 0 | | |
| OR SALEM | 71 | 49 | 80 | 45 | 60 | -2 | 0.01 | -0.30 | 0.01 | 0.26 | 27 | 27.65 | 139 | 92 | 48 | 0 | 0 | 1 | 0 | | |
| PA ALLENTOWN | 81 | 62 | 87 | 59 | 71 | 1 | 0.83 | -0.02 | 0.28 | 4.28 | 171 | 25.22 | 129 | 98 | 46 | 0 | 0 | 5 | 0 | | |
| PA ERIE | 77 | 62 | 84 | 60 | 70 | 3 | 0.97 | 0.01 | 0.96 | 1.59 | 58 | 18.74 | 111 | 95 | 63 | 0 | 0 | 2 | 1 | | |
| PA MIDDLETOWN | 82 | 63 | 90 | 60 | 73 | 1 | 0.36 | -0.53 | 0.19 | 3.27 | 124 | 28.71 | 149 | 93 | 58 | 1 | 0 | 4 | 0 | | |
| PA PHILADELPHIA | 84 | 66 | 92 | 62 | 75 | 3 | 0.31 | -0.56 | 0.11 | 3.61 | 147 | 21.61 | 112 | 97 | 55 | 1 | 0 | 4 | 0 | | |
| PA PITTSBURGH | 78 | 62 | 83 | 58 | 70 | 2 | 1.78 | 0.92 | 1.10 | 3.09 | 126 | 18.59 | 106 | 97 | 55 | 0 | 0 | 5 | 1 | | |
| PA SCRANTON | 74 | 60 | 85 | 55 | 67 | 0 | 1.17 | 0.28 | 0.61 | 2.91 | 109 | 21.11 | 131 | 91 | 57 | 0 | 0 | 1 | 1 | | |
| PA WILLIAMSPORT | 79 | 60 | 87 | 55 | 70 | 1 | 0.74 | -0.28 | 0.44 | 2.85 | 99 | 28.31 | 153 | 99 | 59 | 0 | 0 | 5 | 0 | | |
| RI PROVIDENCE | 77 | 62 | 82 | 60 | 70 | 2 | 3.37 | 2.60 | 1.30 | 7.77 | 344 | 36.99 | 171 | 100 | 74 | 0 | 0 | 7 | 3 | | |
| SC BEAUFORT | 94 | 73 | 98 | 67 | 83 | 4 | 0.39 | -1.07 | 0.36 | 0.74 | 19 | 29.24 | 134 | 93 | 46 | 7 | 0 | 2 | 0 | | |
| SC CHARLESTON | 93 | 72 | 97 | 68 | 83 | 4 | 1.05 | -0.49 | 0.83 | 2.50 | 60 | 34.40 | 157 | 88 | 45 | 7 | 0 | 2 | 1 | | |
| SC COLUMBIA | 94 | 70 | 97 | 64 | 82 | 4 | 0.32 | -0.82 | 0.28 | 2.11 | 68 | 27.87 | 119 | 90 | 38 | 7 | 0 | 3 | 0 | | |
| SC GREENVILLE | 89 | 66 | 93 | 62 | 77 | 2 | 1.00 | -0.13 | 0.84 | 3.81 | 120 | 32.74 | 129 | 94 | 42 | 3 | 0 | 5 | 1 | | |
| SD ABERDEEN | 74 | 58 | 77 | 50 | 66 | -1 | 1.76 | 1.02 | 1.09 | 2.84 | 137 | 11.87 | 138 | 98 | 54 | 0 | 0 | 4 | 1 | | |
| SD HURON | 77 | 59 | 82 | 51 | 68 | -1 | 0.82 | -0.18 | 0.24 | 2.18 | 96 | 11.57 | 116 | 93 | 49 | 0 | 0 | 4 | 0 | | |
| SD RAPID CITY | 69 | 49 | 77 | 44 | 59 | -6 | 2.51 | 1.79 | 1.23 | 5.14 | 245 | 9.74 | 113 | 93 | 50 | 0 | 0 | 5 | 2 | | |
| SD SIOUX FALLS | 75 | 57 | 81 | 48 | 66 | -3 | 1.78 | 0.98 | 1.09 | 3.87 | 168 | 14.64 | 138 | 97 | 53 | 0 | 0 | 5 | 1 | | |
| TN BRISTOL | 82 | 61 | 86 | 58 | 71 | 0 | 0.70 | -0.11 | 0.58 | 3.82 | 166 | 26.91 | 136 | 98 | 55 | 0 | 0 | 3 | 1 | | |
| TN CHATTANOOGA | 89 | 67 | 93 | 61 | 78 | 2 | 0.78 | -0.02 | 0.33 | 4.28 | 187 | 33.32 | 126 | 94 | 44 | 5 | 0 | 5 | 0 | | |
| TN KNOXVILLE | 85 | 66 | 91 | 61 | 75 | 1 | 0.47 | -0.45 | 0.32 | 7.31 | 280 | 34.30 | 144 | 91 | 50 | 1 | 0 | 4 | 0 | | |
| TN MEMPHIS | 93 | 74 | 96 | 68 | 84 | 4 | 0.00 | -0.81 | 0.00 | 1.12 | 48 | 29.48 | 112 | 78 | 42 | 7 | 0 | 0 | 0 | | |
| TN NASHVILLE | 87 | 67 | 92 | 62 | 77 | 1 | 1.92 | 1.12 | 1.39 | 11.19 | 460 | 32.59 | 136 | 92 | 49 | 2 | 0 | 3 | 2 | | |
| TX ABILENE | 97 | 73 | 102 | 60 | 85 | 4 | 0.08 | -0.59 | 0.08 | 1.99 | 101 | 8.10 | 78 | 72 | 30 | 6 | 0 | 1 | 0 | | |
| TX AMARILLO | 95 | 58 | 104 | 53 | 77 | 2 | 0.00 | -0.88 | 0.00 | 0.13 | 5 | 6.85 | 85 | 49 | 7 | 6 | 0 | 0 | 0 | | |
| TX AUSTIN | 101 | 77 | 108 | 72 | 89 | 7 | 0.00 | -0.85 | 0.00 | 1.18 | 44 | 11.89 | 74 | 88 | 32 | 7 | 0 | 0 | 0 | | |
| TX BEAUMONT | 94 | 78 | 95 | 75 | 86 | 5 | 0.00 | -1.30 | 0.00 | 0.08 | 2 | 21.16 | 87 | 96 | 61 | 7 | 0 | 0 | 0 | | |
| TX BROWNSVILLE | 97 | 80 | 101 | 79 | 89 | 5 | 0.00 | -0.63 | 0.00 | 0.17 | 9 | 2.94 | 31 | 94 | 47 | 7 | 0 | 0 | 0 | | |
| TX CORPUS CHRISTI | 97 | 79 | 106 | 77 | 88 | 6 | 0.25 | -0.54 | 0.25 | 0.26 | 11 | 6.50 | 54 | 93 | 50 | 7 | 0 | 1 | 0 | | |
| TX DEL RIO | 104 | 79 | 108 | 74 | 92 | 9 | 0.00 | -0.50 | 0.00 | 1.35 | 95 | 2.89 | 38 | 74 | 22 | 7 | 0 | 0 | 0 | | |
| TX EL PASO | 97 | 68 | 102 | 62 | 82 | 1 | 0.00 | -0.16 | 0.00 | 0.34 | 94 | 0.78 | 39 | 32 | 17 | 7 | 0 | 0 | 0 | | |
| TX FORT WORTH | 98 | 76 | 102 | 68 | 87 | 5 | 0.00 | -0.66 | 0.00 | 1.74 | 81 | 18.12 | 105 | 80 | 38 | 7 | 0 | 0 | 0 | | |
| TX GALVESTON | 90 | 81 | 91 | 79 | 85 | 4 | 0.08 | -0.98 | 0.00 | 1.45 | 47 | 14.18 | 84 | 80 | 38 | 4 | 0 | 2 | 0 | | |
| TX HOUSTON | 98 | 78 | 102 | 73 | 88 | 7 | 0.42 | -0.74 | 0.41 | 1.38 | 40 | 15.24 | 72 | 92 | 43 | 7 | 0 | 2 | 0 | | |
| TX LUBBOCK | 98 | 66 | 106 | 58 | 82 | 4 | 0.00 | -0.65 | 0.00 | 0.40 | 22 | 4.04 | 57 | 60 | 10 | 6 | 0 | 0 | 0 | | |
| TX MIDLAND | 102 | 73 | 107 | 64 | 88 | 8 | 0.00 | -0.36 | 0.00 | 0.00 | 0 | 1.18 | 21 | 62 | 12 | 7 | 0 | 0 | 0 | | |
| TX SAN ANGELO | 99 | 71 | 102 | 64 | 85 | 5 | 0.14 | -0.40 | 0.13 | 0.90 | 53 | 5.74 | 63 | 72 | 24 | 7 | 0 | 2 | 0 | | |
| TX SAN ANTONIO | 102 | 75 | 107 | 67 | 89 | 6 | 0.00 | -0.89 | 0.00 | 0.75 | 28 | 10.59 | 73 | 85 | 28 | 7 | 0 | 0 | 0 | | |
| TX VICTORIA | 98 | 78 | 106 | 75 | 88 | 6 | 0.04 | -1.11 | 0.04 | 0.04 | 1 | 7.88 | 49 | 93 | 44 | 7 | 0 | 1 | 0 | | |
| TX WACO | 103 | 75 | 107 | 64 | 89 | 7 | 0.00 | -0.74 | 0.00 | 1.20 | 51 | 15.20 | 94 | 84 | 30 | 7 | 0 | 0 | 0 | | |
| TX WICHITA FALLS | 97 | 72 | 103 | 64 | 85 | 4 | 0.00 | -0.82 | 0.00 | 4.27 | 169 | 14.68 | 103 | 71 | 25 | 6 | 0 | 0 | 0 | | |
| UT SALT LAKE CITY | 69 | 49 | 82 | 41 | 59 | -11 | 1.72 | 1.52 | 1.51 | 4.23 | 631 | 16.83 | 190 | 82 | 36 | 0 | 0 | 3 | 1 | | |
| VT BURLINGTON | 77 | 62 | 81 | 60 | 70 | 4 | 2.08 | 1.27 | 0.98 | 4.04 | 178 | 20.24 | 146 | 97 | 66 | 0 | 0 | 6 | 2 | | |
| VA LYNCHBURG | 84 | 62 | 87 | 59 | 73 | 1 | 0.95 | 0.15 | 0.00 | 1.66 | 72 | 30.92 | 166 | 96 | 54 | 0 | 0 | 4 | 1 | | |
| VA NORFOLK | 87 | 69 | 93 | 65 | 78 | 4 | 0.68 | -0.21 | 0.38 | 1.65 | 67 | 28.33 | 140 | 93 | 48 | 2 | 0 | 4 | 0 | | |
| VA RICHMOND | 86 | 66 | 90 | 60 | 76 | 1 | 1.35 | 0.52 | 1.05 | 2.68 | 116 | 30.07 | 157 | 96 | 55 | 1 | 0 | 3 | 1 | | |
| VA ROANOKE | 85 | 66 | 89 | 63 | 76 | 4 | 0.41 | -0.31 | 0.35 | 1.63 | 77 | 31.84 | 172 | 83 | 45 | 0 | 0 | 3 | 0 | | |
| WA WASH/DULLES | 84 | 62 | 89 | 57 | 73 | 2 | 1.78 | 0.87 | 1.44 | 4.32 | 162 | 28.60 | 155 | 98 | 54 | 0 | 0 | 3 | 1 | | |
| WA HANFORD | 82 | 58 | 86 | 52 | 70 | -- | 0.32 | 0.23 | -- | 0.38 | 131 | 3.86 | 124 | 68 | 24 | 0 | 0 | 3 | 0 | | |
| WA OLYMPIA | 67 | 46 | 76 | 40 | 57 | -2 | 0.07 | -0.31 | 0.05 | 0.48 | 41 | 25.24 | 100 | 97 | 54 | 0 | 0 | 2 | 0 | | |
| WA QUILLAYUTE | 60 | 48 | 65 | 43 | 54 | -2 | 0.46 | -0.23 | 0.16 | 1.30 | 58 | 45.93 | 86 | 97 | 72 | 0 | 0 | 4 | 0 | | |
| WA SEATTLE-TACOMA | 65 | 49 | 74 | 48 | 57 | -4 | 0.08 | -0.27 | 0.08 | 0.92 | 87 | 18.32 | 102 | 95 | 53 | 0 | 0 | 1 | 0 | | |
| WA SPOKANE | 73 | 48 | 78 | 44 | 61 | -2 | 0.41 | 0.11 | 0.31 | 0.83 | 92 | 9.68 | 114 | 90 | 31 | 0 | 0 | 5 | 0 | | |
| WA YAKIMA | 79 | 50 | 82 | 45 | 64 | -1 | 0.00 | -0.13 | 0.00 | 0.04 | 11 | 6.20 | 156 | 71 | 30 | 0 | 0 | 0 | 0 | | |
| WV BECKLEY | 77 | 60 | 81 | 57 | 69 | 2 | 2.71 | 1.82 | 0.72 | 5.52 | 223 | 31.20 | 163 | 98 | 61 | 0 | 0 | 6 | 3 | | |
| WV CHARLESTON | 82 | 63 | 86 | 60 | 72 | 0 | 2.85 | 1.83 | 1.42 | 6.65 | 288 | 27.76 | 145 | 100 | 57 | 0 | 0 | 4 | 2 | | |
| WV ELKINS | 77 | 59 | 80 | 54 | 68 | 3 | 4.00 | 2.95 | 1.88 | 5.50 | 186 | 24.72 | 119 | 99 | 59 | 0 | 0 | 6 | 2 | | |
| WV HUNTINGTON | 83 | 63 | 87 | 58 | 73 | 2 | 1.78 | 0.96 | 1.34 | 5.29 | 230 | 26.93 | 139 | 97 | 56 | 0 | 0 | 5 | 1 | | |
| WI EAU CLAIRE | 81 | 59 | 85 | 55 | 70 | 3 | 0.49 | -0.50 | 0.49 | 1.57 | 56 | 16.72 | 130 | 95 | 48 | 0 | 0 | 1 | 0 | | |
| WI GREEN BAY | 80 | 58 | 89 | 55 | 69 | 4 | 0.16 | -0.84 | 0.12 | 1.96 | 87 | 12.68 | 108 | 97 | 54 | 0 | 0 | 2 | 0 | | |
| WI MADISON | 81 | 58 | 89 | 54 | 70 | 3 | 2.69 | 1.84 | 2.67 | 3.96 | 163 | 21.78 | 171 | 97 | 55 | 0 | 0 | 2 | 1 | | |
| WI MILWAUKEE | 77 | 61 | 87 | 57 | 69 | 3 | 0.38 | -0.38 | 0.38 | 1.27 | 80 | 16.90 | 119 | 91 | 57 | 0 | 0 | 1 | 0 | | |
| WY CASPER | 66 | 44 | 81 | 36 | 55 | -9 | 2.15 | 1.82 | 1.24 | 3.18 | 309 | 6.48 | 95 | 89 | 36 | 0 | 0 | 5 | 1 | | |
| WY CHEYENNE | 66 | 43 | 81 | 40 | 55 | -7 | 0.34 | -0.13 | 0.20 | 1.52 | 108 | 6.01 | 86 | 81 | 35 | 0 | 0 | 3 | 0 | | |
| WY LANDER | 63 | 41 | 71 | 38 | 52 | -12 | 1.78 | 1.45 | 1.41 | 4.06 | 379 | 10.06 | 131 | 89 | 37 | 0 | 0 | 5 | 1 | | |
| WY SHERIDAN | 63 | 44 | 70 | 37 | 54 | -9 | 1.13 | 0.60 | 0.39 | 3.42 | 212 | 7.39 | 91 | 100 | 62 | 0 | 0 | 6 | 0 | | |

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

National Agricultural Summary

June 15 - 21, 1998

HIGHLIGHTS

Field activities slowed and crop conditions deteriorated as relentless thunderstorms brought heavy rainfall that caused severe erosion and flooding to several areas of the Corn Belt. In the central Great Plains, continued dry weather stressed crops, while scattered thunderstorms alleviated dry conditions in the northern Great Plains and parts of the Great Lakes

Region. In California, warmer, drier weather allowed field activities to progress normally and growth of spring crops to improve. Storms along the eastern Gulf Coast delivered much-needed moisture, but also brought damaging winds, hail, and lightning that sparked brush fires. Hot weather and strong winds quickly dried areas that had received rain.

Corn: Heavy rainfall in the Corn Belt caused ponding in some low-lying areas, drowning plants in some fields, while stands were spotty and plants turned yellow in other fields. Hot, dry weather stunted growth in most areas of the Southeast, while crop development progressed rapidly in the Mississippi Delta States. Three percent of the crop has silked, slightly ahead of the 5-year average. None of the crop in the Corn Belt has entered the silk stage.

Soybeans: Planting progress stalled in the Corn Belt, limiting progress to just 3 percentage points for the week, but remained ahead of normal at 93 percent. Emergence advanced 7 percentage points to 88 percent nationally, and exceeded 95 percent in the western Corn Belt and Great Plains. Development lagged in the northern Mississippi Delta, lower Ohio Valley, Southeast, and Atlantic Coast. In parts of the Corn Belt, many fields were too muddy to support spraying equipment, allowing weeds to compete with crops.

Winter wheat: Thirty-five percent of the Nation's winter wheat crop has been harvested. Harvest continued at a rapid pace in the central Great Plains and southern Corn Belt, where hot, windy weather caused fields to rapidly mature. Hot, dry weather also aided crop maturation in the Great Lakes Region, while heavy rain and strong winds caused lodging in the central and eastern Corn Belt. In the Pacific Northwest, abundant moisture and warm weather provided nearly ideal growing conditions. Slow crop development caused by cool, wet weather delayed harvest in parts of California. Virtually all of the crop has headed in the southern Great Plains, eastern Corn Belt, and Great Lakes Region. Across the central and northern Great Plains, fields were rapidly turning color despite below-normal temperatures.

Cotton: Planting was nearly complete in most States, but continued to lag in the southern High Plains. Forty-three percent had progressed to the squaring stage, slightly ahead of normal for

this date. Cotton development accelerated in the Southwest due to warmer weather, but bolls setting remained 2 to 4 weeks behind normal in many areas. In the Southeast, fields were stressed by increasing insect populations and hot, dry weather. Isolated hail damage occurred along parts of the Atlantic Coastal Plains. In the Lower Mississippi Valley, conditions remained mostly stable despite the hot, dry weather.

Rice: Ninety-five percent of the crop has emerged, slightly behind the 5-year average. Nearly all of the crop has emerged in the southern Great Plains and Mississippi Delta, but lagged well behind normal in California due to persistent cool weather. Five percent of the crop has entered the heading stage, ahead of last year and the average. Progress was most advanced in the southern Mississippi Delta. Hot, dry weather stressed the crop, and flood levels were difficult to maintain in the Mississippi Delta States. Planting continued in the San Joaquin Valley.

Small grains: Spring wheat headed advanced to 21 percent and barley headed was 23 percent. Both crops were well ahead of normal in most areas and conditions improved, especially in Montana, where much-needed rain replenished parched soils. Cool weather and adequate soil moisture levels aided oat conditions, and development continued well ahead of normal in most oat-producing States. Forty-one percent of the crop has headed compared with 23 percent normally headed by this date.

Other crops: Sorghum planting advanced to 90 percent, nearly 1 week ahead of the normal pace for this date. Planting lags behind normal in the southern High Plains, where soils remained too dry to germinate seeds. Twenty-one percent of the peanut crop was pegging, nearly 1 week ahead of the 5-year average. Conditions were mostly good to excellent in the middle Atlantic Coast States, but continued to be stressed by hot, dry weather in the eastern Gulf Coast growing region.

Crop Progress and Condition

Week Ending June 21, 1998

| Soybeans Percent Planted | | | | |
|--------------------------|----------------|--------------|--------------|-------------|
| | Jun 21 1998 | Prev Week | Prev Year | 5-Yr Avg |
| AL | 90 | 78 | 70 | 79 |
| AR | 89 | 79 | 75 | 79 |
| GA | 76 | 75 | 82 | 82 |
| IL | 91 | 88 | 97 | 89 |
| IN | 91 | 88 | 96 | 88 |
| IA | 99 | 98 | 100 | 94 |
| KS | 97 | 92 | 98 | 84 |
| KY | 55 | 52 | 43 | 59 |
| LA | 97 | 94 | 89 | 91 |
| MI | 98 | 93 | 99 | 94 |
| MN | 99 | 99 | 99 | 95 |
| MS | 97 | 89 | 86 | 89 |
| MO | 83 | 81 | 83 | 74 |
| NE | 99 | 98 | 100 | 97 |
| NC | 70 | 65 | 66 | 69 |
| OH | 99 | 96 | 94 | 91 |
| SC | 83 | 65 | 78 | 73 |
| SD | 98 | 97 | 97 | 86 |
| TN | 73 | 56 | 48 | 65 |
| ALL | 93 | 90 | 92 | 87 |

These 19 States planted 93% of last year's soybean acreage.

| Soybeans Percent Emerged | | | | |
|--------------------------|----------------|--------------|--------------|-------------|
| | Jun 21 1998 | Prev Week | Prev Year | 5-Yr Avg |
| AL | 72 | 63 | NA | NA |
| AR | 77 | 67 | NA | NA |
| GA | 63 | 57 | NA | NA |
| IL | 84 | 75 | NA | NA |
| IN | 87 | 80 | NA | NA |
| IA | 98 | 94 | NA | NA |
| KS | 94 | 87 | NA | NA |
| KY | 50 | 20 | NA | NA |
| LA | 91 | 87 | NA | NA |
| MI | 90 | 81 | NA | NA |
| MN | 98 | 97 | NA | NA |
| MS | 87 | 82 | NA | NA |
| MO | 81 | 77 | NA | NA |
| NE | 97 | 94 | NA | NA |
| NC | 65 | 55 | NA | NA |
| OH | 94 | 83 | NA | NA |
| SC | 66 | 49 | NA | NA |
| SD | 93 | 85 | NA | NA |
| TN | 60 | 41 | NA | NA |
| ALL | 88 | 81 | NA | NA |

These 19 States planted 93% of last year's soybean acreage.

| Winter Wheat Percent Harvested | | | | |
|--------------------------------|----------------|--------------|--------------|-------------|
| | Jun 21 1998 | Prev Week | Prev Year | 5-Yr Avg |
| AR | 90 | 66 | 33 | 55 |
| CA | 20 | 15 | 66 | 47 |
| CO | 0 | 0 | 0 | 1 |
| GA | 97 | 87 | 85 | 90 |
| ID | 0 | 0 | 0 | 0 |
| IL | 16 | 1 | 0 | 5 |
| IN | 8 | 2 | 3 | 3 |
| KS | 36 | 2 | 4 | 12 |
| MI | 0 | 0 | 0 | 0 |
| MO | 28 | 10 | 6 | 12 |
| MT | 0 | 0 | 0 | 0 |
| NE | 0 | 0 | 0 | 1 |
| NC | 65 | 40 | 55 | 50 |
| OH | 0 | 0 | 0 | 0 |
| OK | 82 | 60 | 35 | 53 |
| OR | 0 | 0 | 0 | 0 |
| SD | 0 | 0 | 0 | 0 |
| TX | 72 | 56 | 40 | 53 |
| WA | 0 | 0 | 0 | 0 |
| ALL | 35 | 18 | 14 | 21 |

These 19 States harvested 92% of last year's winter wheat acreage.

| Corn Percent Silking | | | | |
|----------------------|----------------|--------------|--------------|-------------|
| | Jun 21 1998 | Prev Week | Prev Year | 5-Yr Avg |
| CO | 0 | NA | 0 | 0 |
| GA | 76 | NA | 77 | 76 |
| IL | 0 | NA | 0 | 0 |
| IN | 0 | NA | 0 | 0 |
| IA | 0 | NA | 0 | 0 |
| KS | 0 | NA | 1 | 1 |
| KY | 0 | NA | 0 | 0 |
| MI | 0 | NA | 0 | 0 |
| MN | 0 | NA | 0 | 0 |
| MO | 6 | NA | 0 | 1 |
| NE | 0 | NA | 0 | 0 |
| NC | 23 | NA | 9 | 15 |
| OH | 0 | NA | 0 | 0 |
| PA | 0 | NA | 0 | 0 |
| SD | 0 | NA | 0 | 0 |
| TX | 51 | NA | 37 | 50 |
| WI | 0 | NA | 0 | 0 |
| ALL | 3 | NA | 2 | 2 |

These 17 States planted 90% of last year's corn acreage.

| Cotton Percent Squaring | | | | |
|-------------------------|----------------|--------------|--------------|-------------|
| | Jun 21 1998 | Prev Week | Prev Year | 5-Yr Avg |
| AL | 49 | 20 | 21 | 43 |
| AZ | 60 | 31 | 80 | 79 |
| AR | 63 | 31 | 18 | 47 |
| CA | 10 | 5 | 54 | 32 |
| GA | 59 | 44 | 40 | 56 |
| LA | 82 | 55 | 35 | 60 |
| MS | 80 | 44 | 28 | 61 |
| MO | 52 | 22 | 9 | 27 |
| NM | 22 | 9 | 25 | 26 |
| NC | 40 | 15 | 17 | 20 |
| OK | 3 | 0 | 4 | 8 |
| SC | 31 | 14 | 38 | 32 |
| TN | 46 | 14 | 10 | 35 |
| TX | 31 | 22 | 26 | 27 |
| ALL | 43 | 26 | 29 | 38 |

These 14 States planted 98% of last year's cotton acreage.

| Sorghum Percent Planted | | | | |
|-------------------------|----------------|--------------|--------------|-------------|
| | Jun 21 1998 | Prev Week | Prev Year | 5-Yr Avg |
| AR | 100 | 99 | 100 | 99 |
| CO | 83 | 66 | 82 | 83 |
| IL | 62 | 54 | 79 | 72 |
| KS | 96 | 90 | 89 | 84 |
| LA | 100 | 99 | 100 | 99 |
| MS | 100 | 98 | 100 | 100 |
| MO | 94 | 91 | 93 | 86 |
| NE | 99 | 99 | 100 | 96 |
| NM | 36 | 33 | 95 | 74 |
| OK | 72 | 59 | 78 | 79 |
| SD | 90 | 80 | 83 | 80 |
| TX | 87 | 83 | 92 | 91 |
| ALL | 90 | 85 | 91 | 87 |

These 12 States planted 99% of last year's sorghum acreage.

| Spring Wheat Percent Headed | | | | |
|-----------------------------|----------------|--------------|--------------|-------------|
| | Jun 21 1998 | Prev Week | Prev Year | 5-Yr Avg |
| ID | 14 | NA | 31 | 21 |
| MN | 31 | NA | 3 | 13 |
| MT | 20 | NA | 4 | 4 |
| ND | 15 | NA | 3 | 4 |
| SD | 37 | NA | 16 | 19 |
| ALL | 21 | NA | 6 | 8 |

These 5 States planted 96% of last year's spring wheat acreage.

Crop Progress and Condition

Week Ending June 21, 1998

Oats Percent Headed

| | Jun 21 1998 | Prev Week | Prev Year | 5-Yr Avg |
|-----|----------------|--------------|--------------|-------------|
| IA | 60 | NA | 50 | 45 |
| MI | 47 | NA | 7 | 20 |
| MN | 46 | NA | 10 | 20 |
| NE | 68 | NA | 56 | 59 |
| ND | 7 | NA | 2 | 3 |
| OH | 81 | NA | 35 | 42 |
| PA | 50 | NA | 46 | 54 |
| SD | 31 | NA | 11 | 20 |
| WI | 58 | NA | 14 | 18 |
| ALL | 41 | NA | 19 | 23 |

These 9 States planted 57% of last year's oat acreage.

Peanuts Percent Pegging

| | Jun 21 1998 | Prev Week | Prev Year | 5-Yr Avg |
|-----|----------------|--------------|--------------|-------------|
| AL | 26 | 11 | 13 | 14 |
| FL | 28 | 28 | 28 | NA |
| GA | 31 | 19 | 15 | 26 |
| NC | 30 | 25 | 3 | 2 |
| OK | 18 | 0 | 10 | 7 |
| SC | 10 | 0 | 0 | 4 |
| TX | 3 | 1 | 2 | 2 |
| VA | 3 | 0 | 4 | NA |
| ALL | 21 | 13 | 11 | 14 |

These 8 States planted 99% of last year's peanut acreage.

Barley Percent Headed

| | Jun 21 1998 | Prev Week | Prev Year | 5-Yr Avg |
|-----|----------------|--------------|--------------|-------------|
| ID | 20 | NA | 32 | 19 |
| MN | 26 | NA | 3 | 14 |
| MT | 16 | NA | 9 | 6 |
| ND | 13 | NA | 2 | 5 |
| SD | 31 | NA | 8 | 18 |
| WA | 85 | NA | 67 | 63 |
| ALL | 23 | NA | 14 | 13 |

These 6 States planted 83% of last year's barley acreage.

Rice Percent Emerged

| | Jun 21 1998 | Prev Week | Prev Year | 5-Yr Avg |
|-----|----------------|--------------|--------------|-------------|
| AR | 99 | 95 | 100 | 99 |
| CA | 75 | 65 | 100 | 96 |
| LA | 100 | 100 | 100 | 100 |
| MS | 100 | 100 | 100 | 99 |
| TX | 99 | 98 | 98 | 99 |
| ALL | 95 | 91 | 100 | 99 |

These 5 States planted 96% of last year's rice acreage.

Rice Percent Headed

| | Jun 21 1998 | Prev Week | Prev Year | 5-Yr Avg |
|-----|----------------|--------------|--------------|-------------|
| AR | 0 | NA | 0 | 0 |
| CA | 0 | NA | 0 | 0 |
| LA | 20 | NA | 5 | 11 |
| MS | 7 | NA | 0 | 0 |
| TX | 7 | NA | 1 | 7 |
| ALL | 5 | NA | 1 | 3 |

These 5 States planted 96% of last year's rice acreage.

Winter Wheat Crop Condition by Percent

| | VP | P | F | G | EX |
|---------|----|----|----|----|----|
| AR | 0 | 5 | 35 | 50 | 10 |
| CA | 0 | 0 | 40 | 50 | 10 |
| CO | 2 | 9 | 19 | 47 | 23 |
| GA | 4 | 12 | 48 | 35 | 1 |
| ID | 0 | 1 | 2 | 58 | 39 |
| IL | 6 | 17 | 40 | 33 | 4 |
| IN | 4 | 13 | 33 | 40 | 10 |
| KS | 2 | 5 | 21 | 60 | 12 |
| MI | 2 | 14 | 38 | 41 | 5 |
| MO | 2 | 9 | 41 | 42 | 6 |
| MT | 8 | 25 | 50 | 15 | 2 |
| NE | 4 | 13 | 29 | 47 | 7 |
| NC | 1 | 2 | 34 | 60 | 3 |
| OH | 1 | 4 | 23 | 54 | 18 |
| OK | 0 | 3 | 18 | 63 | 16 |
| OR | 0 | 0 | 5 | 46 | 49 |
| SD | 0 | 1 | 18 | 54 | 27 |
| TX | 2 | 10 | 45 | 38 | 5 |
| WA | 0 | 0 | 9 | 82 | 9 |
| ALL | 2 | 7 | 26 | 52 | 13 |
| Prev Wk | 2 | 8 | 27 | 51 | 12 |
| Prev Yr | 2 | 8 | 27 | 52 | 11 |

Soybeans Crop Condition by Percent

| | VP | P | F | G | EX |
|---------|----|----|----|----|----|
| AL | 1 | 10 | 41 | 45 | 3 |
| AR | 1 | 6 | 28 | 51 | 14 |
| GA | 7 | 21 | 37 | 31 | 4 |
| IL | 5 | 8 | 35 | 44 | 8 |
| IN | 4 | 11 | 33 | 42 | 10 |
| IA | 2 | 9 | 30 | 47 | 12 |
| KS | 1 | 3 | 19 | 68 | 9 |
| KY | 2 | 5 | 23 | 54 | 16 |
| LA | 7 | 19 | 41 | 31 | 2 |
| MI | 4 | 13 | 34 | 41 | 8 |
| MN | 1 | 4 | 30 | 55 | 10 |
| MS | 0 | 6 | 29 | 52 | 13 |
| MO | 0 | 8 | 34 | 48 | 10 |
| NE | 1 | 5 | 17 | 62 | 15 |
| NC | 0 | 3 | 20 | 72 | 5 |
| OH | 1 | 7 | 30 | 50 | 12 |
| SC | 0 | 6 | 28 | 62 | 4 |
| SD | 0 | 2 | 16 | 61 | 21 |
| TN | 0 | 1 | 24 | 61 | 14 |
| ALL | 2 | 7 | 29 | 51 | 11 |
| Prev Wk | 1 | 6 | 26 | 56 | 11 |
| Prev Yr | 2 | 7 | 30 | 53 | 8 |

Corn Crop Condition by Percent

| | VP | P | F | G | EX |
|---------|----|----|----|----|----|
| CO | 1 | 2 | 25 | 60 | 12 |
| GA | 32 | 25 | 19 | 22 | 2 |
| IL | 4 | 9 | 30 | 47 | 10 |
| IN | 4 | 9 | 33 | 44 | 10 |
| IA | 3 | 6 | 24 | 49 | 18 |
| KS | 0 | 3 | 15 | 70 | 12 |
| KY | 2 | 10 | 25 | 47 | 16 |
| MI | 4 | 10 | 38 | 40 | 8 |
| MN | 1 | 2 | 21 | 59 | 17 |
| MO | 0 | 5 | 31 | 48 | 16 |
| NE | 1 | 5 | 18 | 60 | 16 |
| NC | 1 | 5 | 23 | 63 | 8 |
| OH | 1 | 5 | 26 | 52 | 16 |
| PA | 0 | 2 | 25 | 62 | 11 |
| SD | 0 | 2 | 12 | 61 | 25 |
| TX | 12 | 21 | 38 | 25 | 4 |
| WI | 1 | 2 | 16 | 47 | 34 |
| ALL | 3 | 6 | 25 | 51 | 15 |
| Prev Wk | 2 | 5 | 23 | 55 | 15 |
| Prev Yr | 1 | 6 | 26 | 54 | 13 |

Crop Progress and Condition

Week Ending June 21, 1998

| Cotton Crop Condition by Percent | | | | | |
|----------------------------------|----|----|----|----|----|
| | VP | P | F | G | EX |
| AL | 3 | 8 | 53 | 27 | 9 |
| AZ | 0 | 11 | 34 | 36 | 19 |
| AR | 0 | 3 | 38 | 38 | 21 |
| CA | 50 | 30 | 15 | 5 | 0 |
| GA | 6 | 12 | 30 | 43 | 9 |
| LA | 1 | 4 | 43 | 46 | 6 |
| MS | 1 | 2 | 14 | 65 | 18 |
| MO | 0 | 2 | 24 | 52 | 22 |
| NM | 0 | 0 | 34 | 39 | 27 |
| NC | 1 | 3 | 20 | 69 | 7 |
| OK | 0 | 0 | 31 | 65 | 4 |
| SC | 0 | 4 | 29 | 58 | 9 |
| TN | 0 | 2 | 22 | 59 | 17 |
| TX | 11 | 22 | 34 | 27 | 6 |
| ALL | 9 | 14 | 31 | 37 | 9 |
| Prev Wk | 8 | 13 | 30 | 41 | 8 |
| Prev Yr | 2 | 9 | 29 | 50 | 10 |

| Rice Crop Condition by Percent | | | | | |
|--------------------------------|----|----|----|----|----|
| | VP | P | F | G | EX |
| AR | 0 | 5 | 19 | 48 | 28 |
| CA | 0 | 10 | 40 | 50 | 0 |
| LA | 1 | 3 | 36 | 56 | 4 |
| MS | 0 | 2 | 23 | 64 | 11 |
| TX | 0 | 11 | 30 | 50 | 9 |
| ALL | 0 | 6 | 27 | 51 | 16 |
| Prev Wk | 0 | 5 | 29 | 52 | 14 |
| Prev Yr | 0 | 3 | 30 | 55 | 12 |

| Oats Crop Condition by Percent | | | | | |
|--------------------------------|----|----|----|----|----|
| | VP | P | F | G | EX |
| IA | 1 | 8 | 28 | 48 | 15 |
| MI | 4 | 15 | 47 | 31 | 3 |
| MN | 0 | 7 | 23 | 59 | 11 |
| NE | 0 | 4 | 13 | 49 | 34 |
| ND | 1 | 4 | 27 | 61 | 7 |
| OH | 0 | 7 | 29 | 57 | 7 |
| PA | 1 | 4 | 39 | 47 | 9 |
| SD | 0 | 2 | 19 | 67 | 12 |
| WI | 1 | 4 | 21 | 58 | 16 |
| ALL | 1 | 5 | 25 | 57 | 12 |
| Prev Wk | 1 | 6 | 27 | 53 | 13 |
| Prev Yr | 3 | 11 | 30 | 49 | 7 |

| Spring Wheat Crop Condition by Percent | | | | | |
|--|----|----|----|----|----|
| | VP | P | F | G | EX |
| ID | 0 | 1 | 5 | 56 | 38 |
| MN | 1 | 10 | 34 | 49 | 6 |
| MT | 3 | 18 | 44 | 33 | 2 |
| ND | 1 | 3 | 22 | 56 | 18 |
| SD | 0 | 2 | 22 | 55 | 21 |
| ALL | 1 | 7 | 28 | 50 | 14 |
| Prev Wk | 2 | 9 | 34 | 43 | 12 |
| Prev Yr | 2 | 12 | 34 | 44 | 8 |

| Peanuts Crop Condition by Percent | | | | | |
|-----------------------------------|----|----|----|----|----|
| | VP | P | F | G | EX |
| AL | 18 | 20 | 55 | 7 | 0 |
| FL | 4 | 13 | 80 | 3 | 0 |
| GA | 5 | 16 | 28 | 45 | 6 |
| NC | 0 | 0 | 9 | 76 | 15 |
| OK | 0 | 0 | 47 | 52 | 1 |
| SC | 0 | 6 | 40 | 52 | 2 |
| TX | 0 | 16 | 31 | 25 | 28 |
| VA | 0 | 0 | 5 | 66 | 29 |
| ALL | 5 | 13 | 34 | 37 | 11 |
| Prev Wk | 3 | 10 | 36 | 39 | 12 |
| Prev Yr | 0 | 4 | 27 | 60 | 9 |

| Barley Crop Condition by Percent | | | | | |
|----------------------------------|----|----|----|----|----|
| | VP | P | F | G | EX |
| ID | 0 | 3 | 6 | 56 | 35 |
| MN | 2 | 11 | 33 | 49 | 5 |
| MT | 5 | 18 | 47 | 24 | 6 |
| ND | 0 | 4 | 21 | 54 | 21 |
| SD | 0 | 2 | 18 | 62 | 18 |
| WA | 0 | 0 | 41 | 50 | 9 |
| ALL | 1 | 7 | 28 | 47 | 17 |
| Prev Wk | 1 | 7 | 31 | 45 | 16 |
| Prev Yr | 1 | 7 | 27 | 54 | 11 |

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

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/oce/waob/jawf>.

ALABAMA: Days suitable for fieldwork 6.3. Soil moisture conditions declined from last week's rating. Topsoil 29% very short, 46% short, 23% adequate, 2% surplus. Wheat harvested 83%, 51% 1997, 59% avg. Soybeans planted 90%, 70% 1997, 79% avg. Hay harvested 94%, 75% 1997, 88% avg. Wheat 2% very poor, 4% poor, 24% fair, 67% good, 3% excellent. Livestock 2% very poor, 8% poor, 41% fair, 45% good, 4% excellent. Pasture feed 16% very poor, 19% poor, 38% fair, 26% good, 1% excellent. Hay harvest continued ahead of schedule, 1st cuttings neared completion. Peach harvest is in full swing in Chilton county.

ALASKA: Days suitable for fieldwork 5.5. Topsoil 40% short, 55% adequate, 5% surplus. Subsoil 30% short, 65% adequate, 5% surplus. Scattered showers were reported throughout the State during the week. Daytime high temperatures ranged from the mid-50's degrees F to the mid-70's degrees F. Oats, barley were still in the pre-boot stage, rye was in the boot stage in the Matanuska Valley. Oat 70% below average, 20% average, 10% above average. Barley conditions 75% below average, 20% average, 5% above average. Average height of grain crops 5.3 in. Commercial potato crop 65% emerged; conditions 35% below average, 65% average. Vegetable conditions were also 35% below average, 65% average. General crop growth for the week was picking up at 30% slow, 45% moderate, 25% rapid. Hay harvest underway in many areas.

ARIZONA: As of June 21, setting bolls is still 2 weeks behind average, 3 weeks behind 1997. Setting bolls 3%, 30% 1997, 26% avg. Alfalfa harvest activity was reported as 36% not being harvested, 3% moderate, 61% active. Alfalfa condition declined again last week. Alfalfa 1% poor, 14% fair, 66% good, 19% excellent. Small grains 99% mature, 100% 1997, 97% avg. Small grain harvested 81%, 85% 1997, 84% avg. Small grain declined 1% poor, 8% fair, 41% good, 50% excellent. Central areas harvested a variety of vegetables, melons, potatoes, while western areas continued harvesting an assortment of melons and grapes last week. Central area growers shipped carrots, dry onions, sweet corn, table, manufacturing potatoes, watermelons. Western area growers harvested a variety of melons, including canary, cantaloupes, honeydews, orange flesh, Santa clauses, sharilyns, watermelons. Grape shipments from western State included seedless flames, perlette. Grapefruit, Valencia orange shipments from central, western areas continued sporadically last week.

ARKANSAS: Days suitable for fieldwork 7. Soil moisture 3% very short, 49% short, 45% adequate, 3% surplus. Few showers were reported during the week. Main farming activities: Wheat harvest continues across the State. Farmers planting double-cropped soybeans after wheat. Hay baling continues. Other farm activities: weed control in rice, cotton, full-season soybeans, insecticide applications for insects in cotton, fertilizing pastures, meadows, harvesting fescue seed, peaches. Corn 5% poor, 24% fair, 52% good, 19% excellent. Alfalfa 3% poor, 25% fair, 71% good, 1% excellent. Other hay 4% poor, 29% fair, 60% good, 7% excellent. Range, pasture feed 6% poor, 29% fair, 57% good, 8% excellent.

CALIFORNIA: Field activities progressed normally in most areas as drier conditions prevailed. Growth, development of spring planted crops improved considerably as temperatures approached seasonal normals. Grain harvests of wheat, barley, oats continued in the Imperial, San Joaquin valleys. Harvest in other areas had not begun, due to slow grain development caused by the cool, wet spring. Rice planting was complete in the Sacramento Valley, was ongoing in the San Joaquin Valley. Emerged rice fields were sprayed for weeds. Cotton growth was improving with the warmer weather, although progress was still a month behind normal in some fields. Short-season, non-Acala varieties were up 2 to 3 inches in the southern San Joaquin Valley. Cotton fields were cultivated, hand weeded, thinned, treated for aphids, mites. Corn for grain, silage showed good growth. Recently planted fields were emerging, while earlier fields began to tassle. Growers were active with second-crop field seedings that followed small grain harvesting. Black eye beans were growing well; some fields were still being planted. Safflower, seed alfalfa were blooming in southern counties. Seed alfalfa was sprayed for insects, worms. Sunflowers were treated for caterpillars in the Sacramento Valley. Old crop sugar beets were harvested, while new crop

fields were being planted. Some old crop sugar beet fields were going to seed due to the lack of good harvest conditions. Alfalfa, oats, winter forages were cut for hay or green chopped. Growers continued to apply sulfur to grape vines to control powdery mildew. Other activities in vineyards included spraying, discing for weed control, applying of insecticides for leafrollers. Table grape growers in the San Joaquin Valley were girdling vines, tipping bunches. In the Coachella Valley, grapes for fresh use were picked. Varieties picked were Perlette, Flame Seedless. San Joaquin Valley stone fruit growers were picking nectarines, plums, freestone peaches and apricots. Growers were concerned about brown rot, mold, split pits. Strawberry harvest was active, with improved quality. Harvest of grapefruit, Valencia oranges, south coast area lemons remained active. Most vegetable producers are 3-4 weeks behind schedule in the Sacramento Valley. Head, leaf lettuce harvest was winding down in the San Joaquin Valley. Melons were harvested in the Imperial-Coachella Valley. Melons were weeded and treated for white fly. Sweet corn in the San Joaquin Valley was in various stages of development; harvest was expected to begin in about 3 weeks. Southern areas' fresh market tomatoes were harvested. Fruit set was evident in some processing tomato fields. Potato harvest continued in Kern County. Spring potato crop was experiencing blight problems, internal discoloration, shape distortions. Sweet potatoes were planted in the San Joaquin Valley. Broccoli, cauliflower were harvested in the coastal valley, San Joaquin Valley. Harvest of white, red onions continued. Yellow onions were planted in the Tulelake-Butte Valley area, harvested in the Imperial-Coachella Valley. Spinach harvest continued in the San Joaquin Valley. Pasture, rangeland were in good to excellent condition, with vegetation drying at lower elevations. Forage continued to develop on middle elevation rangeland. Some rangeland was still under snow cover at higher elevations. Range livestock made good weight gains on abundant forage. Cattle were moved off the range, onto feedlots. Bees were active in seed onion fields, melon fields.

COLORADO: Days suitable for fieldwork 6.1. Topsoil 14% very short, 43% short, 41% adequate, 2% surplus. Subsoil 10% very short, 38% short, 50% adequate, 2% surplus. Warming temperatures, widely scattered rain showers dominated the week. Below-freezing temperatures that hit portions of the San Luis Valley on 18th blackened the upper leaves of potato, alfalfa crops. In addition, many areas of the State have experienced constant windy conditions, which have reduced soil moisture supplies, caused a rapid drying out of dryland pastures, ranges. Spring barley 57% headed, 79% 1997, 45% avg.; 2% turning color, 11% 1997, 9% avg.; 5% poor, 17% fair, 64% good, 14% excellent. Oats 43% headed, 57% 1997, 34% avg.; 1% very poor, 16% poor, 18% fair, 58% good, 7% excellent. Dry onions 1% poor, 6% fair, 64% good, 29% excellent. Sugar beets 1% poor, 20% fair, 54% good, 25% excellent. Summer potatoes 1% poor, 2% fair, 51% good, 46% excellent. Fall potatoes 96% emerged, 90% 1997, 77% avg.; 60% fair, 40% good. Dry beans 89% planted, 96% 1997, 85% avg.; 77% emerged, 72% 1997, 63% avg. Alfalfa 73% 1st cutting, 64% 1997, 48% avg. Winter wheat 67% turning color, 35% 1997, 40% avg. Spring wheat 30% headed, 35% 1997, 28% avg.; 8% poor, 20% fair, 48% good, 24% excellent. Livestock in mostly fair to good condition.

DELAWARE: Days suitable for fieldwork 5.5. Topsoil 5% short, 90% adequate, 5% surplus. Subsoil 2% very short, 3% short, 92% adequate, 3% surplus. Winter wheat 1% very poor, 2% poor, 25% fair, 60% good, 12% excellent; 10% harvested, 0% 1997, 3% avg. Barley 8% very poor, 8% poor, 20% fair, 54% good, 10% excellent; 87% harvested, 60% 1997, 54% avg. Soybeans 57% planted, 50% 1997, 59% avg.; 41% emerged. Apples 4% fair, 92% good, 4% excellent. Peaches 5% fair, 90% good, 5% excellent. Sorghum 67% planted, 62% 1997, 78% avg. Sweet corn 85% planted, 84% 1997, 95% avg. Cucumbers 50% planted, 50% 1997, 66% avg. Cantaloupes 78% planted, 79% 1997, 89% avg. Snap beans 44% planted, 84% 1997, 73% avg. Tomatoes 73% planted, 73% 1997, 92% avg. Watermelons 82% planted, 79% 1997, 94% avg. Green peas 70% harvested, 47% 1997, 58% avg. Other hay 93% 1st cutting harvested, 94% 1997, 97% avg.; 23% 2nd cutting harvested, 35% 1997, 14% avg. Alfalfa 93% 1st cutting harvested, 93% 1997, 96% avg.; 28% 2nd cutting, 31% 1997, 20% avg. Hay supplies 4% short, 96% adequate. Pasture 1% poor, 9% fair, 83% good, 7% excellent. Activities: Checking alfalfa fields for

leafhopper activity, green pea harvesting continued, cucumber harvesting started up.

FLORIDA: Topsoil moisture throughout State mostly very short to short, with scattered areas having adequate moisture. Brush fires problem in north, central areas. Sugarcane growth normal. All dryland crops under stress because of hot, dry conditions. Some dryland corn fields being plowed under because of drought. Peanuts are at a stand still because of drought. Drought has stopped haying in most areas. Peanuts planted 95%; pegged 28%; very poor 4%, poor 13%, fair 80%, good 3%. Most vegetable harvesting nearing end, with many central, southern Peninsula growers finished. Major vegetable shipments: carrots, celery, sweet corn, cucumbers, eggplant, parsley, peppers, potatoes, squash, tomatoes, watermelons. Record-breaking high temperatures with very little if any rain citrus areas. Growers, caretakers irrigating around the clock, non-irrigated groves showing signs of wilting, with some leaf drop, generally poor new crop fruit condition. Valencia harvest slowing as supplies run low. Grapefruit harvest almost over for season. Most packing houses closed. Only a few processors still receiving fruit. Caretakers cutting cover crop, watering groves, a little spraying. Pasture feed very poor 30%, poor 50%, fair 20%. Cattle very poor 5%, poor 10%, fair 75%, good 10%. Pasture condition continued to deteriorate from drought. Grass not growing; condition of pasture north, central considered disaster. Ranchers feeding hay in Panhandle, north, central areas. Some ranchers running out of hay. Central area ranchers heavily culling cattle. Where corn-for-feed also hurt by drought, ranchers checking for nitrate poison in corn. Cattle condition mostly fair to poor.

GEORGIA: Days suitable for fieldwork 6.0. Soil moisture 39% very short, 27% short, 32% adequate, 2% surplus. Corn 40% dough, 24% 1997, 32% avg.; 7% dent, 2% 1997, 8% avg. Cotton 5% setting bolls, 2% 1997, 4% avg. Hay 8% very poor, 18% poor, 31% fair, 40% good, 3% excellent. Peanuts 75% blooming, 56% 1997, 67% avg. Sorghum 16% very poor, 20% poor, 31% fair, 33% good; 88% planted, 78% 1997, 85% avg. Soybeans 3% blooming, 1% 1997, 2% avg. Tobacco 2% very poor, 14% poor, 42% fair, 39% good, 3% excellent. Onions 99% harvested, 100% 1997, 100% avg. Watermelons 5% very poor, 16% poor, 35% fair, 39% good, 5% excellent; 15% harvested, 8% 1997, 14% avg. Apples 1% very poor, 1% poor, 8% fair, 76% good, 14% excellent. Peaches 21% very poor, 19% poor, 20% fair, 21% good, 19% excellent; 43% harvested, 57% 1997, 56% avg. Pecans 12% very poor, 21% poor, 42% fair, 18% good, 7% excellent. Hot, dry conditions continue in many areas, especially southern areas. The areas that received rainfall are being quickly dried out by high temperatures and warm winds. Crop progress, overall, is holding up amazingly well. Irrigation is in full use where available. Corn condition declined, stunted in some areas. Cotton, peanut conditions slipped. Cotton is experiencing high insect pressure for this time of the year. Soybean planting is being delayed in some areas due to the dry conditions. Pasture conditions are suffering from the hot, dry conditions, available hay is being fed to cattle. Activities: Scouting, applying pesticides, side dressing cotton, tobacco sucker control, harvesting wheat, watermelons, peaches, other vegetables.

HAWAII: Variable weather conditions were mostly fair for agriculture. Windward areas partly cloudy, with morning showers. Leeward areas drier, isolated showers. Mixture of sunshine, showers helped bananas. Conditions mostly good. Maturing plantings, advent of summer will increase production. Papaya in good to poor condition, depending on location. Recent showers increase chance of disease. Spraying is heavy. Watermelon harvesting expected to increase during summer months. Crop condition good. Head cabbage harvesting is heavy. Good progress and condition. Tomato harvesting active on Molokai, Big Island. Supplies heavy, crop condition is mostly good.

IDAHO: Days suitable for fieldwork 5.2. Topsoil 18% surplus, 80% adequate, 2% short. Alfalfa harvest hampered by wet conditions. Barely stripe rust in south-central, northern areas of State. Alfalfa hay first cutting 46%, 1997 58%, avg. 59%. Irrigation supply 57% excellent, 42% good, 1% fair. Dry beans planted 93%, 1997 98%, avg. 94%; emerged 45%, 1997 88%, avg. 78%. Oats emerged 98%, 1997 99%, avg. 98%. Corn emerged 96%, 1997 99%, avg. 97%. Cherries harvested 1%, 1997 6%, avg. 11%. Potatoes emerged 91%, 1997 91%, avg. 86%; 12" high 21%, 1997 38%, avg. 25%; closing middles 2%, 1997 12%, avg. 6%. Barley jointed 75%; booting 37%; headed 20%. Spring wheat jointed 78%; booting 41%; headed 14%. Winter wheat booting 96%. Activities: Planting dry beans, cultivating corn, beans, sugar beets, potatoes, onions, mint, thinning sugar beets, weed control, irrigation, moving livestock to summer pasture.

ILLINOIS: Days suitable for fieldwork 1.5. Topsoil 1% short, 25% adequate, 74% surplus. Crop conditions continue to deteriorate as the rain continues to fall relentlessly over most of the State. Precipitation for the month of June, as of June 21, has averaged a total of 5.45 inches statewide, nearly double the normal of 2.77 inches for that time period. Many fields are ponding, some low-area fields have drowned for the second, third time already this year. Corn fields are spotty, turning yellow, while many bean fields are contending with weeds, due to the delay of post emergence spraying. Cutting, baling hay has also been difficult with the excess moisture. While farmers continue harvesting the wheat crop, the condition continues to drop. Limited activities included cultivating, corn and bean replanting, spraying where possible and mowing roadsides. Corn emerged 99%, N/A 1997, N/A avg. Corn height 20 in., 19 in. 1997, 16 in. avg. Soybeans blooming 1%, 1% 1997, 1% avg. Winter wheat filled 99%, 90% 1997, 94% avg. Winter wheat turning yellow 93%, 57% 1997, 73% avg.; ripe 65%, 3% 1997, 20% avg. Oats 2% poor, 25% fair, 52% good, 21% excellent; headed 82%, 60% 1997, 58% avg.; filled 32%, 12% 1997, 24% avg.; turning yellow 1%, 0% 1997, 3% avg. Alfalfa hay 1% very poor, 5% poor, 21% fair, 58% good, 15% excellent; 1st cut 86%, 89% 1997, 85% avg.; 2nd cut 3%, 4% 1997, 6% avg. Red clover 5% very poor, 15% poor, 30% fair, 44% good, 6% excellent; cut 60%, 59% 1997, 72% avg.

INDIANA: Days suitable for fieldwork 1.2. Topsoil 1% short, 29% adequate, 70% surplus. Subsoil 3% short, 39% adequate, 58% surplus. Field activities slowed in most of the State by continued rain, wet soils. Severe ponding, flooding in low-lying areas of fields. Reports indicate average loss of 7 to 8% for corn, soybean acreage, near 4% for wheat. Range, pasture feed 2% very poor, 3% poor, 16% fair, 58% good, 21% excellent. First cutting of alfalfa 88% complete. Transplanting of tobacco 60% complete. Activities: Harvesting winter wheat, planting corn, soybeans, side-dressing corn, applying post-emergence chemicals, cutting hay, caring for livestock.

IOWA: Days suitable for fieldwork 1.0. Topsoil adequate 25%, surplus 75%. Subsoil adequate 37%, surplus 63%. Rain virtually every day is starting to take its toll on crops. Throughout State, corn, soybeans are yellowing due to wet weather. Weeds continue to come on fast since farmers cannot get into fields. A good hay crop is being ruined because of all the rainfall after it has been cut. The 1998 row crops: Corn cultivated 36%, 46% 1997, 38% avg.; height tallest 32 in., 22 in. 1997; average 22 in., 16 in. 1997. Soybeans emerged 98%, 99% 1997, 84% avg. Corn 3% very poor, 6% poor, 24% fair, 49% good, 18% excellent. Soybean 2% very poor, 9% poor, 30% fair, 47% good, 12% excellent. Oat 1% very poor, 8% poor, 28% fair, 48% good, 15% excellent. All hay 1% very poor, 8% poor, 30% fair, 44% good, 17% excellent. Pasture feed 1% very poor, 4% poor, 20% fair, 49% good, 26% excellent.

KANSAS: Days suitable for fieldwork 6.1. Topsoil 10% very short, 47% short, 42% adequate, 1% surplus. Subsoil 6% very short, 26% short, 66% adequate, 2% surplus. Wheat harvest moving at a rapid pace due to hot windy weather, with most activity in the southern areas of the State. Some harvest activity in the central, east-central areas. Some reports of wheat sprouting in heads in the southeast. Wheat turning 100%, 94% 1997, 92% avg. Wheat ripe 85%, 33% 1997, 37% avg. Sorghum emerged 89%, NA 1997, NA avg. Sorghum 3% poor, 27% fair, 66% good, 4% excellent. Sunflowers planted 89%, 73% 1997, NA avg. Second cutting alfalfa hay 33%, 19% 1997, 16% avg. Major field activities were preparing for harvest, harvesting wheat, cultivating corn, planting fall crops, cutting alfalfa. Pasture feed 3% poor, 32% fair, 59% good, 6% excellent. Stock water supplies 9% short, 90% adequate, 1% surplus.

KENTUCKY: Days suitable fieldwork 2.7. Topsoil 49% adequate, 51% surplus. Subsoil 50% adequate, 50% surplus. Few days were dry, allowing some fieldwork. Some tobacco, corn were flooded. Blue mold, insects increasing in some areas. Most hay is too wet to be harvested. Second-cut alfalfa hay harvest 22% complete. Burley tobacco set 79%, 49% 1997, 80% avg. Dark tobacco 87%, 57% 1997, 86% avg. Set tobacco 1% very poor, 10% poor, 27% fair, 48% good, 14% excellent. Tobacco height 80% under 12", 18% 12"-24", 2% over 24". Pasture feed 1% poor, 22% fair, 55% good, 22% excellent. Wheat harvest 29%, 4% 1997, 23% avg. Barley harvest 98%, 43% 1997, 65% avg. Sorghum planted 38%, 33% 1997, 55% avg.

LOUISIANA: Days suitable for fieldwork 6.8. Soil moisture 51% very short, 32% short, 17% adequate. Corn 15% very poor, 20% poor, 33% fair, 31%

good, 1% excellent; 98% silked, 75% 1997, 81% avg.; 44% dough stage, 33% 1997, 37% avg. Cotton 100% emerged, 100% 1997, 100% avg.; 12%. Setting Bolls, 1% 1997, 6% avg. Cotton seems to be fairing pretty well regardless of dry conditions. Hay 90% first cutting, 84% 1997, 83% avg. Peaches 47% harvested, 39% 1997, 31% avg. Rice producers are having a difficult time keeping fields flooded due to dry conditions. Sorghum 3% very poor, 10% poor, 39% fair, 48% good; 100% emerged, 97% 1997, 97% avg.; 6% headed, 1% 1997, 8% avg. Soybeans 23% blooming, 14% 1997, 5% avg. Soybeans continue to suffer under dry conditions. Sugarcane 2% very poor, 9% poor, 25% fair, 51% good, 13% excellent. Sweet potatoes 84% planted, 65% 1997, 69% avg. Wheat 100% harvested, 92% 1997, 96% avg. Livestock 4% very poor, 13% poor, 38% fair, 40% good, 5% excellent. Vegetables 11% very poor, 21% poor, 35% fair, 31% good, 2% excellent. Pastures are getting extremely short and feeding may begin if rain is not received soon.

MARYLAND: Days suitable for fieldwork 3.6. Subsoil 5% short, 84% adequate, 11% surplus. Topsoil 7% short, 78% adequate, 15% surplus. Winter wheat 2% very poor, 7% poor, 33% fair, 51% good, 7% excellent; 96% tined, 64% 1997, 75% avg.; 24% harvested, 0% 1997, 3% avg. Barley 2% poor, 40% fair, 51% good, 7% excellent; 81% harvested, 40% 1997, 42% avg. Rye 1% poor, 20% fair, 68% good, 11% excellent; 53% harvested, 21% 1997, 16% avg. Soybeans 68% planted, 65% 1997, 65% avg.; 61% emerged. Sorghum 96% planted, 76% 1997, 78% avg. Tobacco 85% transplanted, 97% 1997, 93% avg. Sweet corn 93% planted, 93% 1997, 94% avg. Green peas 70% harvested, 71% 1997, 61% avg. Snap beans 77% planted, 85% 1997, 83% avg. Lima beans 71% planted, 40% 1997, 63% avg. Strawberries 91% harvested, 62% 1997, 83% avg. Pasture feed 4% poor, 18% fair, 58% good, 20% excellent. Apples 1% poor, 18% fair, 64% good, 17% excellent. Peaches 1% poor, 15% fair, 69% good, 15% excellent. Other hay 88% 1st cutting harvested, 81% 1997, 87% avg.; 23% 2nd cutting, 6% 1997, 4% avg. Alfalfa hay 25% 2nd cutting harvested, 24% 1997, 20% avg. Hay supplies 1% very short, 6% short, 86% adequate, 7% surplus. Activities: Continued harvesting of green peas, strawberries, cucumber harvesting begun, blue mold being reported in some tobacco beds, fields.

MICHIGAN: Days suitable for fieldwork 6.0. Topsoil 16% very short, 44% short, 39% adequate, 1% surplus. Subsoil 15% very short, 43% short, 41% adequate, 1% surplus. All hay 1st cutting 87%, 51% 1997, 54% avg. Corn height 15 in., 8 in. 1997, 10 in. avg. Drybeans planted 85%, 92% 1997, 73% avg. Potatoes emerged 98%. Strawberries harvested 78%. Scattered thunderstorms alleviated near-drought conditions, most areas received less than 1 inch of rain. Plant growth promoted by temperatures 4 to 8 degrees above normal. Fields replanted after killing frost emerged. Dry conditions have caused widely varied timing of emergence within fields. Soybeans good condition. Sugarbeet growth about to cover rows. Dry beans planted deeper for moisture for germination. Alfalfa first cutting winding down, recent rains helped second cutting growth. Hot, dry weather has accelerated turning of wheat fields. Cabbage harvest underway in Monroe county. Early-planted carrots 5 inches. Celery transplanting continued. Harvest of 'heart'-size plants will begin this week. Eggplants and peppers benefited from warm weather. Pepper plants began to blossom. Head lettuce harvest started. Wet weather helped snap bean growth. Early-planted sweet corn silked. Market tomatoes rebounded with warm temperatures, moisture. Fruit crops remained 10-14 days ahead of normal. Powdery mildew main disease problem in many orchards, especially apples. Dry conditions suppressed development of fire blight. Birds major pest blueberries and sweet cherries. Sweet cherry harvest began. Tart Cherries ripening rapidly, harvest to start about 23rd southwest. Earlier cool weather held back strawberry maturity, increased fruit size. Blueberry harvest will start this week. Pit-hardening stage was reached in peaches.

MINNESOTA: Days suitable for fieldwork 3.0. Topsoil 2% very short, 6% short, 67% adequate, 25% surplus. Corn 84% cultivated, 57% 1997, 45% avg.; 26 in. height, 13 in. 1997, 13 in. avg. Soybeans 46% cultivated, 24% 1997, 22% avg.; 7 in. height, 5 in. 1997, 5 in. avg. Spring wheat 90% jointed, 47% 1997, 63% avg. Oats 91% jointed, 74% 1997, 73% avg. Barley 86% jointed, 39% 1997, 62% avg. Alfalfa 92% 1st cutting, 78% 1997, 73% avg. Pasture feed 2% very poor, 5% poor, 25% fair, 56% good, 12% excellent. Sugar beets 2% very poor, 3% poor, 33% fair, 53% good, 9% excellent. Even though temperatures last week were above normal, crops did not see much sunshine due to the above-normal rainfall for the week. The average precipitation for the State was 1.74 inches last week. Crops would benefit from additional sunshine.

MISSISSIPPI: Days suitable for fieldwork 6.2. Soil moisture 13% very short, 39% short, 44% adequate, 4% surplus. Corn 73% silked, 39% 1997, 50% avg.; 29% dough, 7% 1997, 13% avg.; 1% very poor, 4% poor, 29% fair, 53% good, 13% excellent. Rice 7% heading, NA 1997, NA avg.; 2% poor, 23% fair, 64% good, 11% excellent. Soybeans 97% planted, 86% 1997, 89% avg.; 87% emerged, 77% 1997, 83% avg.; 36% setting bolls, 9% 1997, 8% avg.; 6% poor, 29% fair, 52% good, 13% excellent. Peanuts 85% planted, 100% 1997, 100% avg.; 19% pegging, NA 1997, NA avg.; 14% fair, 82% good, 4% excellent. Sweet potatoes 85% planted, 27% 1997, 63% avg.; 1% poor, 3% fair, 57% good, 39% excellent. Hay 43% harvested (warm season) 29% 1997, 41% avg.; 2% very poor, 11% poor, 26% fair, 54% good, 7% excellent. Peaches 20% harvested, 32% 1997, 33% avg.; 8% poor, 41% fair, 47% good, 4% excellent. Wheat 100% mature, 92% 1997, 98% avg.; 94% harvested, 58% 1997, 73% avg. Watermelons 93% planted, 97% 1997, 99% avg.; 2% poor, 25% fair, 62% good, 11% excellent. Blueberries 5% poor, 29% fair, 52% good, 14% excellent. Cattle 1% very poor, 6% poor, 28% fair, 54% good, 11% excellent. Pasture feed 2% very poor, 13% poor, 34% fair, 43% good, 8% excellent. Activities: Corn crop development progressed rapidly during the past week. Cotton progress is ahead of the 5-year average.

MISSOURI: Days suitable for fieldwork 2.8. Topsoil 2% short, 53% adequate, 45% surplus. Rain fell in most areas, causing flooding in many low areas, some decline in condition of wheat and row crops. Progress of row crop planting is near completion, with single crop soybeans, sorghum, wet weather is causing delays. Winter wheat harvest a week ahead of normal. Smut, rust, other problems showing up in wheat. Sorghum most advanced in northwest, southern third of State 98% or more planted, least advanced east-central at 82%. Cotton developing 6 days ahead of normal. First crop alfalfa cut 86%, 87% 1997, 82% avg. Second crop alfalfa cut 18%, 5% 1997, 6% avg. Other hay cut 60%, 49% 1997, 50% avg. Precipitation past week avg 2.04 in., from 0.75 in. southwest to 3.04 in. central district. Pasture feed 21% poor, 22% fair, 69% good, 8% excellent.

MONTANA: Days suitable for fieldwork 3.3. Topsoil moisture 9% very short, 23% short, 60% adequate, 8% surplus. Subsoil 24% very short, 33% short, 38% adequate, 5% surplus. State received significant rainfall this week, which helped improve crop conditions. Range, pasture feed also improved with the precipitation. Oats boot stage 54%, 34% 1997, 29% avg.; headed 9%, 7% 1997, 5% avg.; 3% very poor, 13% poor, 37% fair, 44% good, 3% excellent. First cutting alfalfa 8%, 13% 1997, 13% avg. First cutting other hay 2%, 8% 1997, 8% avg. Cattle moved to summer ranges 100%, sheep moved 96%.

NEBRASKA: Days suitable for fieldwork 3.5. Topsoil 3% very short, 8% short, 76% adequate, 13% surplus. Subsoil 2% very short, 9% short, 78% adequate, 11% surplus. Soil moisture 4% very short, 26% short, 64% adequate, 6% surplus. Heavy precipitation recorded in many central counties. Crops in lower southwestern, south-central counties continue stressed from lack of moisture. Winter wheat 4% very poor, 13% poor, 29% fair, 47% good, 7% excellent; 59% turning color, 44% 1997, 45% avg. Harvested expected to start in southern drought-stressed counties the last full week of June. Corn 1% very poor, 5% poor, 18% fair, 60% good, 16% excellent; eastern fields continued to show signs of yellowing in lowlands due to the wet, cool conditions. Soybeans 97% emerged, 97% 1997, 86% avg.; 1% very poor, 5% poor, 17% fair, 62% good, 15% excellent. Sorghum 96% emerged, 96% 1997, 85% avg.; 4% poor, 33% fair, 57% good, 6% excellent. Dry beans 94% planted, 94% 1997, 91% avg.; emerged 77%, 70% 1997, 75% avg. Oats 68% headed, 56% 1997; 4% poor, 13% fair, 49% good, 34% excellent. Alfalfa 3% very poor, 8% poor, 30% fair, 49% good, 10% excellent, 75% 1st cutting, 79% 1997, 81% avg.; poor drying conditions hampered hay growers from baling hay for the third week in a row; quality poor in some counties. Wild hay 1% very poor, 4% poor, 19% fair, 60% good, 16% excellent. Pasture feed 1% very poor, 6% poor, 22% fair, 58% good, 13% excellent. Activities: Cultivating, preparing for irrigation, haying, moving grain to market, working cattle.

NEVADA: Weather conditions moderated during the week, with only light precipitation falling in the northeast. Temperatures were well below normal for a couple of days early in the week, then near normal the remainder. Light breezes were common. Although most snow was gone below the 7,500 elevation, the snow pack in the eastern Sierra, northern areas remained much above normal. The water supply outlook for most area watersheds, irrigation districts remains excellent. Mostly dry weather allowed hay harvest to resume, haying was very active. First cutting of alfalfa advanced in the

north, as did the second cutting in the extreme south. Alfalfa crop condition mostly good, with crop progress remaining behind normal. Grain, potato crops also behind normal in growth. Most calving, lambing complete. Branding, movement of livestock to summer range underway continued. Main farm, ranch activities: Swathing, raking and baling hay, irrigating, weed control, fertilizing, working livestock.

NEW ENGLAND: Days suitable for fieldwork 2.6. Topsoil 29% adequate, 71% surplus. Subsoil 35% adequate, 65% surplus. Pasture feed 23% fair, 71% good, 6% excellent. Maine potatoes 100% planted, 100% 1997, 100% avg.; 85% emerged, condition good. Massachusetts potatoes 100% planted, 100% 1997, 100% avg.; 100% emerged, condition good. Rhode Island potatoes 100% planted, 100% 1997, 100% avg.; 100% emerged, condition good to fair. Oats in Maine 100% planted, 99% 1997, 99% avg.; 95% emerged, condition good to fair. Barley in Maine 100% planted, 99% 1997; 95% emerged, condition good to fair. Field corn 99% planted, 99% 1997, 99% avg.; 90% emerged, condition good to fair. Sweet corn 90% planted, 90% 1997, 90% avg.; 80% emerged, condition good to fair. Shade tobacco 100% planted, 100% 1997, 100% avg.; condition good to fair. Broadleaf tobacco 80% planted, 70% 1997, 85% avg.; condition good to fair. First-cut hay 60% harvested, 45% 1997, 50% avg.; condition good to fair. Apples set average to below average, size average; condition good to fair. Peaches set average, size average; condition good to fair. Pears set average, size average; condition good. Strawberries 50% harvested, 0% 1997, 15% avg.; set average, size average, condition good to fair. Cranberries full bloom to early bloom, set average, condition good. Highbush blueberries set average to above average, size average to above average; condition good. Wild blueberries set average, size average; condition good to excellent. Heavy rains flooded many fields. Farmers were unable to plant or cultivate any new crops. Major farm activities: harvesting vegetables, strawberries, chopping grass, spreading manure, applying pesticides, herbicides, assessing water damage.

NEW JERSEY: Days suitable for fieldwork 5. Topsoil short to adequate. Farmers are spraying for disease, pests, fertilizing, harvesting, irrigating. Harvesting of asparagus, spring spinach is nearing completion. Good but declining volume of spring greens, lettuce, (Bib, Boston, Iceberg). Increasing volume of green beans, beets, Italian eggplant. Good volume of green, yellow squash, turnips, cabbage, cucumbers, pickles. Harvesting of snap beans, fava beans occurring. Peaches, apples are sizing well. Good, increasing volume of blueberries reported. Harvesting of barley increasing with a very limited amount of wheat being harvested. First, second cuttings of hay reported throughout the State. Early-planted field corn up to 18 inches in height. Planting single-crop soybeans is complete except for a few localities. Pastures are in fair to good condition.

NEW MEXICO: Days suitable for fieldwork 7. Topsoil 24% very short, 54% short, 22% adequate. Winter wheat harvest continued well ahead of normal for this time of the year, 57% harvested, 6% 1997, 28% avg.; 11% poor, 36% fair, 53% good. Cotton 3% poor, 35% fair, 42% good, 20% excellent; 22% squaring, 25% 1997, 26% avg. Condition of the corn crop remained stable; 16% fair, 79% good, 5% excellent. Dry, windy conditions continued across the State last week. Temperatures averaged slightly above normal, with a maximum of a 0.02 inch of precipitation reported. Precipitation was far behind normal for the year in major sorghum-producing counties. As a result, sorghum plantings continue to lag far behind normal for the year; 36% planted, 95% 1997, 74% avg.; 12% very poor, 50% poor, 26% fair, 12% good. Second cutting of alfalfa 68% complete, 55% 1997; 5% poor, 24% fair, 61% good, 10% excellent. Despite strong winds, the condition of the chile crop remained steady, 1% poor, 21% fair, 62% good, 16% excellent; pod set 97% avg. Onion harvest continued, 25% complete; condition remained good to excellent. Apples and pecans remained in good condition. Cattle, sheep were in mostly fair to good condition. Dry conditions pushed pasture, range feed condition lower again last week, to 6% very poor, 36% poor, 38% fair, 20% good.

NEW YORK: Days suitable for fieldwork 3.0. Soil moisture 13% short, 46% adequate, 41% surplus. Pasture feed 12% poor, 11% fair, 65% good, 12% excellent. Corn 98% planted, 93% 1997, 97% avg. Dry beans 83% planted, 44% 1997, 53% avg. Soybeans 96% planted, 90% 1997, 90% avg. First cutting alfalfa 87% finished, 61% 1997, 58% avg. Clo-tim 71% harvested, 52% 1997, 52% avg. Ample soil moisture should provide good hay regrowth. Strawberry harvest at peak. Early-sweet corn tasseling. Orange county onions showed effects of hail damage. Hail damage evident in many apple orchards.

NORTH CAROLINA: Days suitable for fieldwork 6.0. Soil moisture 4% very short, 26% short, 64% adequate, 6% surplus. Previous week's rains gave way to mostly hot, dry weather this week, intermixed with some precipitation. Portions of the State experienced significant rains. Isolated incidents of hail damage to cotton were reported in the northeast, while rains in the west did not help the blue mold disease problems in burley tobacco. However, the majority of the State could use some rain. The warm weather did allow small grain harvest, soybean planting, tremendous gains in Irish potato harvesting. Pest control in all crops, especially tobacco, continue. Other activities for the week included: Harvesting vegetable crops; planting sorghum; transplanting sweet potatoes; tending livestock; repairing equipment. For the first time this season there were reports of farmers preparing irrigation equipment for use if the dry weather continues.

NORTH DAKOTA: Days suitable for fieldwork 3. Topsoil 0% very short, 8% short, 81% adequate, 11% surplus. Subsoil 3% very short, 16% short, 72% adequate, 9% surplus. Wide spread rain showers during later part of week improved crop, pasture conditions in west, raised disease concerns in east. Topsoil moisture supplies continued to be replenished to level above average. Small grain, late-season crop development remained ahead of average, except durum. Below-normal temperatures caused late season crop development to slow down, however. Durum wheat 39% jointing, 28% 1997, 32% avg.; 7% boot, 11% 1997, 9% avg.; 1% heading, 4% 1997, 2% avg. Canola 79% rosette, 37% 1997; 22% blooming, 1997 not available. Dry edible beans 99% emerged, 97% 1997, 94% avg. Flaxseed 2% blooming, 0% 1997, 0% avg. Potatoes 3% blooming, 0% 1997, 0% avg. Sunflower 97% emerged, 93% 1997, 90% avg; 1% blooming, 0% 1997, 0% avg. Condition of all crops, except soybeans, sugar beets, and sunflowers improved due to precipitation. Emerged crop condition: Durum 2% poor, 29% fair, 63% good, 6% excellent; canola 1% very poor, 6% poor, 18% fair, 55% good, 20% excellent; corn 1% very poor, 5% poor, 32% fair, 51% good, 11% excellent; dry edible beans 2% very poor, 2% poor, 26% fair, 50% good, 20% excellent; flaxseed 2% poor, 23% fair, 65% good, 10% excellent; potatoes 18% fair, 53% good, 29% excellent; soybeans 4% very poor, 8% poor, 30% fair, 52% good, 6% excellent; sugar beets 1% very poor, 2% poor, 13% fair, 48% good, 36% excellent; sunflower 1% very poor, 5% poor, 25% fair, 62% good, 7% excellent. Stock water 6% short, 86% adequate, 8% surplus. Broadleaf, wild oat spraying 73%, 89% complete, respectively. Pasture conditions continued to improve with rain received. Hay 66% of normal.

OHIO: Days suitable for fieldwork 1.7. Topsoil 1% very short, 3% short, 47% adequate, 49% surplus. Corn virtually emerged. Avg. corn development stage for the State was 5 to 6 leaves; 3 to 4 leaves, 1997. Soybeans planted nearing completion; emerged 12 days ahead of the avg.; slightly over 1 week ahead of 1997; 3% blooming, 0% 1997, 0% avg. Winter wheat 90% turning color, 8% 1997, 35% avg.; 7% ripe, 0% 1997. Oats headed 11 days ahead of the avg.; 10% ripe, 0% 1997. Alfalfa hay 86% 1st cutting, 65% 1997, 77% avg.; 8% 2nd cutting, 1% 1997, 4% avg. Other hay 71% 1st cutting, 47% 1997, 63% avg.; 3% 2nd cutting, 1% 1997, 2% avg. Tobacco 65% transplanted. Cucumbers planted 85%. Strawberries 86% harvested, 19% 1997, 43% avg. Hay 3% very poor, 7% poor, 25% fair, 55% good, 10% excellent. Activities: Reporting acreage to the FSA offices for certifications; filling out 709's for loan deficiency at FSA office, marketing CCC grain loans; assessing the hail damage; scouting fields; applying post herbicide, pesticide chemicals; applying anhydrous ammonia, nitrogen, manure; replanting, cultivating corn, soybeans; raking, baling hay; mowing ditches; mowing CRP for noxious weeds; equipment maintenance, preparing combines for small grain harvest; hauling grain; shearing Christmas trees; shoveling ditches; repairing wind damage; cutting up downed trees; buying supplies; picking rocks; odd jobs. Southwestern growers are trenching out ponding water from crop fields. Washington county producers are harvesting potatoes, squash, sweet corn. Reported weed pressures: Canadian thistles; yellow nutsedge; common, giant ragweed; lambs quarters; foxtail; quack grass; hemp dogbane; Johnson grass; prickly sida. Reporters in the northern third of the State mentioned the weeds were thriving due to the lack of moisture after the herbicide applications, the recent supply of moisture. Other reporters stated the fields are even too wet to get into to spray or cultivate. Reported insects: European corn borer, corn earworm, slugs in wet low-lying areas, black cutworm, corn flea beetle in corn; wireworm in sweet corn; Japanese beetle, slugs in soybeans; potato leafhoppers in hay; Colorado potato beetles in potatoes; gypsy moths; aphids. Reported diseases: Stewart's wilt in field, sweet corn; phytophthora root rot in soybean; leaf spot, some scab, rust, Gibberella zea in wheat; blue mold, target spot in tobacco; late blight on cherry tomatoes; early blight, timber rot in tomatoes. There were some reports of growers replanting their corn, soybeans due to unfavorable weather conditions. There were also reports of winter wheat laying down due to the

high winds, heavy rains. The rain was welcomed in the northern third of the State to aid pasture growth. In the southern third of the State, some reporters mentioned the ground was muddy, compaction was a problem in the pastures. A Knox County reporter noted the raspberries are beginning to ripen. There were reports of excessive water causing damage to the fruit, vegetable crop in the Southwestern district. There was some reported wind and hail damage to tomatoes, sweet corn, cherries in the southern part of the State.

OKLAHOMA: Days suitable for fieldwork 6.4. Topsoil 26% very short, 49% short, 24% adequate, 1% surplus. Subsoil 11% very short, 36% short, 52% adequate, 1% surplus. Warm, open weather allowed wheat harvest to gain momentum. Harvesting progressed past 80% sooner than any other year in recent history. Wheat 99% soft dough, 98% 1997, 98% avg. Oats 100% soft dough, 94% 1997, 91% avg.; 75% harvested, 31% 1997, 34% avg. Corn 8% fair, 92% good; 9% tasseled, 4% 1997, 20% avg. Sorghum 46% up-to-stand, 38% 1997, 58% avg. Soybeans 82% planted, 76% 1997, 72% avg.; 57% up-to-stand, 62% 1997, 55% avg. Peanuts 93% up-to-stand, 86% 1997, 80% avg. Cotton 86% up-to-stand, 90% 1997, 82% avg. Alfalfa hay 1% poor, 24% fair, 60% good, 15% excellent; 75% 2nd cutting, 48% 1997, 48% avg.; 9% 3rd cutting, 6% 1997, 5% avg. Other hay 68% 1st cutting, 60% 1997, 64% avg. Livestock 2% poor, 17% fair, 79% good, 2% excellent. Feeder cattle prices up \$0.50 per cwt. from preceding week.

OREGON: Days suitable for fieldwork 6.0. Topsoil 6% short, 89% adequate, 5% surplus. Subsoil 4% short, 91% adequate, 5% surplus. Winter wheat 5% fair, 46% good, 49% excellent; headed 98%, 100% 1997, 98% avg. Range, pasture feed 8% fair, 45% good, 47% excellent. Activities: Winter wheat excellent, spring wheat looked good, across east side due to abundant spring rains, recent warm weather. Malheur County reported some areas unable to begin planting until last week. Cultivating, spraying of sugar beets began in Klamath Basin, Malheur County. Hay cutting continued. Barley stripe evident in spring barley in Mid-Columbia Basin. Mint being irrigated in northeast. Westside haying underway. Winter wheat good; red clover growing rapidly toward seed bloom. Field corn doing well. Nurseries, greenhouses into summer maintenance, activities. Shipping of balled, container nursery material limited to orders. Last of spring bedding, perennial plants at nurseries. Potato planting about completed in most eastern areas, cultivation began in emerging fields. Fungicides being applied for prevention of early, late blight. Green pea harvest began in northeast, onions developing slowly. North Willamette Valley growers harvesting slicing cucumbers. Asparagus still being cut. Sweet corn planted in April on plastic mulch, with row covers nearing tasseling stage, other sweet corn mostly planted, greening up. Cauliflower transplant beds being seeded. Warmer weather helped the onion, potato growth. Willamette Valley strawberries at peak harvest, blackberries sizing fast; in some areas, early varieties being harvested. Raspberry harvest began in some areas. Sweet cherry harvest started, apples, pears, peaches sizing. Rogue River Valley strawberries being harvested, orchardists applying second cover sprays on pears. South coast cranberries continued to bloom. Hood River Valley apple, pear thinning continued, irrigation started. Processor cherry harvest began. Mid-Columbia Basin cherries ripening slower than expected due to cool weather, fresh harvest began. Livestock condition good to excellent in all parts of the State. Pasture conditions excellent statewide. Klamath Basin pastures, range in best condition in 35 years. Cattle being moved to high pasture in northeast.

PENNSYLVANIA: Days suitable for fieldwork 2.9. Soil moisture 5% short, 63% adequate, 32% surplus. Poor week for fieldwork. Corn planting was complete. Corn height 10 in., 9 in. 1997, 11 in. avg. Field crop conditions improved, with steady rain throughout the week. Progress of oat, wheat fields reached near record pace. Tobacco transplanted 90% complete, 82% 1997, 83% avg. Potatoes planted 98% complete, 99% 1997, 100% avg. Barley 97% turning yellow, 83% 1997, 77% avg.; 70% ripe, 35% 1997, 29% avg.; 45% harvested, 4% 1997, 6% avg. Wheat 70% turning yellow, 30% 1997, 34% avg.; 5% ripe, 0% 1997, 1% avg. Alfalfa 1st cutting 85% complete, 69% 1997, 72% avg. Timothy clover 1st cutting 51% complete, 39% 1997, 48% avg. Quality of hay made 7% very poor, 19% poor, 31% fair, 34% good, 9% excellent. Peach 12% fair, 58% good, 30% excellent. Apple 2% very poor, 9% poor, 17% fair, 65% good, 7% excellent. Activities: Planting, spraying field crops; cutting hay; transplanting tobacco; machinery maintenance; hauling manure; caring for livestock.

SOUTH CAROLINA: Days suitable for fieldwork 5.8. Soil moisture 4% very short, 34% short, 59% adequate, 3% surplus. Apples 13% poor, 43% fair, 39% good, 5% excellent. Barley 99% ripe, 100% 1997, 93% avg.; 95% harvested, 87% 1997, 75% avg.; 25% fair, 60% good, 15% excellent.

Cantaloupes 20% harvested, 18% 1997, 27% avg.; 22% poor, 53% fair, 21% good, 4% excellent. Cucumbers 52% harvested, 44% 1997, 54% avg.; 2% very poor, 14% poor, 22% fair, 59% good, 3% excellent. Oats 97% ripe, 98% 1997, 97% avg.; 93% harvested, 84% 1997, 83% avg.; 4% poor, 22% fair, 62% good, 12% excellent. Peaches 21% harvested, 29% 1997, 21% avg.; 3% very poor, 7% poor, 20% fair 50% good, 20% excellent. Rye 97% ripe, 99% 1997, 95% avg.; 91% harvested, 88% 1997, 75% avg.; 2% poor, 19% fair, 70% good, 9% excellent. Snap beans 45% harvested, 42% 1997, 29% avg.; 4% very poor, 7% poor, 22% fair, 52% good, 15% excellent. Sorghum 79% planted, 74% 1997, 72% avg.; 2% fair, 43% good, 55% excellent. Sweet potatoes 6% poor, 15% fair, 79% good. Tobacco 27% topped, 29% 1997, 26% avg.; 4% poor, 16% fair, 70% good, 10% fair. Watermelons 15% harvested, 11% 1997, 21% avg.; 2% very poor, 16% poor, 49% fair, 26% good, 7% excellent. Winter Wheat 99% ripe, 74% 1997, 93% avg.; 85% harvested, 29% 1997, 68% avg.; 6% very poor, 24% poor, 35% fair, 29% good, 6% excellent.

SOUTH DAKOTA: Days suitable for fieldwork 2.3. Topsoil 2% short, 72% adequate, 26% surplus. Subsoil 5% short, 65% adequate, 30% surplus. Cool, wet weather halted crop development. Winter wheat 99% boot, 91% 1997, 94% avg. Winter wheat 94% headed, 76% 1997, 76% avg. Winter rye 99% boot, 99% 1997, 98% avg. Winter rye 96% headed, 73% 1997, 83% avg. Spring wheat 79% boot, 50% 1997, 50% avg. Oats 78% boot, 45% 1997, 48% avg. Sunflower 93% seeded, 86% 1997, 86% avg. Soybeans 98% seeded, 97% 1997, 86% avg. Soybeans 93% emerged. Alfalfa 2% very poor, 15% poor, 25% fair, 47% good, 11% excellent; 55% cut, 47% 1997, 46% avg. Alfalfa being harvested early due to weevil infestation. Corn 99% emerged; 50% cultivated, 26% 1997, 32% avg. Corn averages 13 in. tall, 9 in. 1997, 10 in. avg. Livestock 7% fair, 69% good, 24% excellent. Stock water 3% short, 77% adequate, 20% surplus.

TENNESSEE: Days suitable for fieldwork 5.0. Topsoil 9% short, 70% adequate, 21% surplus. Subsoil 5% short, 76% adequate, 19% surplus. Corn 18% tasseling, 3% 1997, 14% avg.; 4% poor, 19% fair, 60% good, 17% excellent. Tobacco 80% transplanted, 68% 1997, 89% avg.; 7% poor, 39% fair, 47% good, 7% excellent. Wheat 99% ripe, 77% 1997, 87% avg.; 65% harvested, 12% 1997, 42% avg. Other hay 92% 1st cutting completed; 3% poor, 24% fair, 59% good, 14% excellent. Pasture feed 2% poor, 16% fair, 64% good, 18% excellent. Producers took advantage of favorable weather to make good progress with all field activities. Wheat harvest, tobacco transplanting and the first cutting of hay were all over two-thirds complete by week's end. Corn development was slightly ahead of schedule as of Sunday. Some farmers were still waiting for fields to dry to continue normal activities. Lauderdale County reported flooding from the Mississippi River; however, the amount, extent of damage was unknown. Henry, Sumner Counties reported significant erosion due to above-normal rainfall this year.

TEXAS: Extremely hot weather, limited rainfall continued to stress crops in most areas. Irrigation wells ran full time. Dryland crops continued very stressed, may suffer heavy losses as harvest neared many southern, coastal fields. Planting operations slowed considerably in dryland fields of western areas, where some remaining acreage may not be planted due to low soil moisture. Haying operations slow, with activity down significantly from last year. Livestock conditions deteriorated, with some producers forced into herd reduction.

Field Crops: Corn: Fields in the Plains continued to make good progress under steady irrigation. Early fields silking; however, hot weather has been stressful on fields despite constant watering. Dryland fields in many other areas have not developed, because of dry conditions, some cut for hay will be disastered out. Harvest will begin soon in the south, Rio Grande Valley, where dryland yields maturing rapidly. Development 30% dough, 17% 1997, 29% avg.; 11% dented, 1% 1997, 7% avg. Cotton: Irrigated fields in the Plains made fair progress under steady irrigation despite extremely hot weather. Dryland fields not much progress, some loss may occur. Producers dry planting north-central areas. Growth slow in Blacklands, Central. Plants continued to shed bolls in Coastal Bend, along Upper Coast. Bolls beginning to open in Coastal Bend, Rio Grande Valley. Development 15% setting bolls, 6% 1997, 11% avg.; 1% open bolls, 0% 1997, 1% avg. Grain sorghum: Dryland fields in most areas need rain since planting in the Plains, north-central continued to be slow due to dry conditions. Poor stands reported many Black land fields with early fields turning color rapidly under very hot weather. Some improvement fields in the Hill Country, with scattered showers; however, more rain needed. Fields rapidly turning color in Coastal Bend, Rio Grande Valley, Upper Coast. Dryland fields continued to suffer under hot, dry conditions. Statewide grain sorghum condition rated 55% normal, compared with 87% last year. Development 42% headed, 31% 1997, 48% avg.; 24% turning color, 8% 1997, 24% avg.; 5% mature, 0%

1997, 7% avg. Peanuts: Irrigated plants pegging in the Plains, north-central making good progress. In other areas, planting on dryland fields continued to be slow. Early-planted irrigated fields making fair progress in these areas.

Rice: Early-planted fields continued to head. Hot weather could adversely affect pollination in these fields. Late-planted fields not making very good progress. Soybeans: Dry conditions in the Plains increased need for constant irrigation. Hot, dry conditions left many fields along Upper Coast with poor pod filling. Dryland planting very slow. Small grains: Harvest winding down in some fields in the Plains, where yields continued to be good. Other crops: Sunflowers 72% planted, 60% 1997, 71% avg. Oats 61% harvested, 71% 1997, 61% avg.

Commercial vegetables: Rio Grande Valley, harvest operations continued; however, production down in many fields due to hot weather. San Antonio- Winter Garden, watermelon, cantaloup harvest continued without much delay during the week. Onion harvest beginning to wind down in most fields. East, hot weather limited production. Sweet potatoes beginning to show some stress from hot, dry conditions. High Plains, irrigation remained active, with little, or no insect problems reported. Harvest should begin soon. Trans Pecos, cantaloup harvest underway during the week, with good quality reported, although hot, dry, windy conditions hard on vines. Peaches: Harvest continued in the east, Hill Country. Production in Hill Country slowed due to hot, dry conditions. Sizes remained small. Pecans: Trees continued to suffer from hot, dry conditions, were shedding nuts. Second generation case bearer damage heavy in many groves. Irrigation active where available.

Range and Livestock: Scattered showers Hill Country helped improve conditions during the week; however, return of very hot weather made improvement but was short lived. Other areas continued to suffer as forage conditions continued to decline. Hay production continued to be down where cutting occurred. Many producers elected to graze rather than cut hay fields due to short growth. The need for hay and supplement feeding increased.

UTAH: Days suitable for fieldwork 4. Topsoil 5% short, 74% adequate, 19% surplus. Subsoil 7% short, 77% adequate, 16% surplus. Pasture feed, range 3% poor, 12% fair, 69% good, 16% excellent. Winter wheat headed 87%, 92% 1997, 87% avg. Spring wheat headed 43%. Oats headed 19%. Corn emerged 100%; height 7 in., 15 in. 1997, 12 in. avg. Dry beans planted 100%, 99% 1997. Alfalfa hay 1st cutting 52%, 67% 1997, 74% avg. Barley headed 33%. Other hay cut 10%, 17% 1997, 21% avg. Sheep moved to summer range 77%, 89% 1997, 85% avg. Cattle/calves moved to summer range 86%, 91% 1997, 91% avg. Cool weather has slowed crop growth.

VIRGINIA: Days suitable for fieldwork 4.1. Topsoil 5% short, 78% adequate, 17% surplus. Subsoil 5% short, 82% adequate, 13% surplus. Corn 98% planted, 99% 1997, 100% avg.; 94% emerged; 1% poor, 7% fair, 69% good, 23% excellent. Cotton 13% fair, 65% good, 22% excellent. Peanuts 5% fair, 66% good, 29% excellent. Soybeans 60% planted, 54% 1997, 57% avg.; 54% emerged; 4% poor, 10% fair, 68% good, 18% excellent. Flue-cured tobacco 100% transplanted, 100% 1997, 100% avg.; 8% fair, 57% good, 35% excellent. Dark fire cured tobacco 99% transplanted, 100% 1997, 100% avg.; 11% fair, 57% good, 32% excellent. Burley tobacco 92% transplanted, 93% 1997, 92% avg.; 8% fair, 91% good, 1% excellent. Sun tobacco 99% transplanted, 100% 1997, 100% avg.; 93% good, 7% excellent. Winter wheat 17% harvested, 9% 1997, 14% avg.; 3% very poor, 11% poor, 28% fair, 48% good, 10% excellent. Barley 65% harvested, 50% 1997, 58% avg.; 3% very poor, 11% poor, 27% fair, 51% good, 8% excellent. Summer potatoes 3% poor, 14% fair, 61% good, 22% excellent. Apples 5% poor, 16% fair, 62% good, 17% excellent. Peaches 14% fair, 74% good, 12% excellent. Pasture feed 1% poor, 14% fair, 66% good, 19% excellent. Alfalfa 7% fair, 73% good, 20% excellent. Other hay 16% fair, 67% good, 17% excellent. Many localities in the State received heavy rainfall last week. Thunderstorms, hail were reported in some localities; however, the extent of the damage to crops was limited to isolated localities. Other localities still report a shortage of moisture. Soybeans were generally in good to excellent condition, although some producers reported problems with thrip. Small grain producers reported low test weights, as well as below-average yields due to adverse weather conditions, diseases. Spread of blue mold continues to be a problem in burley fields. Some yellowing has also occurred in burley tobacco due to excess moisture. Other farming activities included vegetable cultivation, harvesting, herbicide application, spraying orchards for insects, haymaking.

WASHINGTON: Days suitable for fieldwork 6.4. Topsoil 10% short; 89% adequate, 1% surplus. Subsoil 11% short, 89% adequate. Winter wheat, dryland 10% fair, 80% good, 10% excellent; irrigated 99% good, 1% excellent. Spring wheat 78% headed, 54% 1997, 64% avg. Spring wheat, dryland 35% fair, 55% good, 10% excellent; irrigated 100% good. Barley 85% headed, 67% 1997, 63% avg.; dryland, 45% fair, 45% good, 10%

excellent; irrigated 100% good. Potatoes, 5% fair, 95% good. Overall condition of field crops remained good. Crops benefited from scattered thundershowers, and conditions were good for crop development. Winter wheat was headed, with wheat heads in the medium milk stage, spring wheat, barley crops were heading out earlier than normal. Hay, other roughage supplies, 70% adequate, 30% surplus. Haying operations continued, some 1st cutting alfalfa was rained on, some 2nd cutting alfalfa began, dairy farmers were making a 3rd cutting of green chop. Range, pasture feed 10% poor, 30% fair, 50% good, 10% excellent. Cherry harvest continued, with the crop looking very good, a high volume of cherries will be picked over the next 3 to 4 weeks. Strawberry harvest continued, with both a favorable crop, market. Windy weather slowed tree fruit work, apple thinning continued. Cannery peas were thriving under ideal conditions whereas some mildew, rust maggot problems were reported by other vegetable producers. Flower bulbs were being harvested, green pea harvest, sweet corn planting continued in central regions. Christmas tree growers reported damage from white pine weevils.

WEST VIRGINIA: Days suitable for fieldwork 2.0. Topsoil 49% adequate, 51% surplus. Wheat 52% fair, 34% good, 14% excellent. Wheat headed 94%, 99% 1997, 94% avg.; harvested 4%. Apple 15% poor, 66% fair, 10% good, 8% excellent. Peach 16% poor, 66% fair, 18% good. Flooding, severe weather disrupted farm activities in some areas of the State, caused the quality of 1st cut hay to deteriorate. Hay 8% poor, 23% fair, 60% good, 9% excellent; 1st cut 61%, 50% 1997, 60% avg. Corn 2% poor, 41% fair, 52% good, 5% excellent; planted 92%, 99% 1997, 97% avg. Oats 9% poor, 36% fair, 54% good, 1% excellent; emerged 95%, 97% 1997, 98% avg.; headed 45%, 64% 1997. Soybean 35% fair, 64% good, 1% excellent; planted 77%, 92% 1997, 87% avg. Tobacco 14% poor, 36% fair, 50% good; transplanted 68%, 81% 1997, 90% avg. Cattle 3% poor, 16% fair, 74% good, 7% excellent. Sheep 3% poor, 9% fair, 86% good, 2% excellent.

WISCONSIN: Days suitable for fieldwork 4.5. Soil moisture 1% very short, 9% short, 64% adequate, 26% surplus. Soybean 3% poor, 18% fair, 54% good, 25% excellent. Rain across the State made it hard for farmers to complete first crop hay harvest. However, due to lack of rain, the northeast, east-central districts' hay harvest rose to 93% and 97% complete, respectively, compared with the State average of 67% 1997. Hay harvest 88% complete, 57% avg. Many counties reported that second crop hay looks great, will be cut in the next week if weather permits. Chippewa County reporter indicated that because of the right combination of moisture, temperature, and sunshine, the corn condition improved by leaps and bounds and frosted corn has somewhat recovered. It was reported by a Pierce County reporter that corn is as tall as 29 in.; Jefferson County reporter said that some corn was 40 in. tall. Statewide, 79% of the soybeans are in good to excellent condition. Reporters in Grant County indicated a lot of water standing in the fields and storms brought scattered hail. A Columbia County reporter noted that some crops were covered with mud. Vernon, Rock, and Dane County reporters stated that a majority of the tobacco is set and looks good. Cranberry harvest is expected to be above normal this year, according to a Wood County reporter. A Manitowoc County reporter indicated that wheat showed signs of turning color. Some wheat and oats are loaded with rust, according to a Walworth County reporter. Winter wheat 3% poor, 14% fair, 63% good, 20% excellent. Pasture feed 1% very poor, 3% poor, 15% fair, 54% good, 27% excellent.

WYOMING: Days suitable for fieldwork 3.7. Topsoil 1% very short, 13% short, 71% adequate, 15% surplus. Subsoil 1% very short, 17% short, 68% adequate, 14% surplus. Winter wheat headed 95%, 94% 1997, 84% avg.; turning color 16%, 7% 1997, 7% avg. Barley boot 76%, 77% 1997, 68% avg.; headed 40%, 45% 1997, 36% avg.; turning color 2%, 0% 1997, 2% avg. Oats boot 61%, 47% 1997, 45% avg.; headed 36%, 17% 1997, 15% avg.; turning color 2%, 0% 1997, 2% avg. Spring wheat boot 83%, 58% 1997, 53% avg.; headed 43%, 28% 1997, 24% avg.; turning color 9%, 0% 1997, 0% avg. Sugar beets thinned 75%, 75% 1997, 74% avg. Corn height 10 in., 15 in. 1997, 11 in. avg. Dry beans emerged 94%, 88% 1997, 77% avg. Alfalfa 1st cutting 13%, 15% 1997, 21% avg. Range flock ewes lambed 95%, 99% 1997, 98% avg. Additional precipitation keep soil moisture mostly adequate. Warm, sunny weather needed for haying, crop growth.

International Weather and Crop Summary

June 14 - 20, 1998

HIGHLIGHTS

FSU-WESTERN: Unfavorably hot, dry weather continued in Russia, negatively affecting winter grains and spring-sown crops.

FSU-NEW LANDS: Hot, dry weather reduced topsoil moisture in western areas, increasing stress on spring grains in the vegetative stage.

EUROPE: Weather conditions favored crop development in most areas.

AUSTRALIA: Showers maintained favorable conditions for wheat and barley establishment.

CANADA: Soaking rain over much of the Prairies aided early development of spring grains and oilseeds.

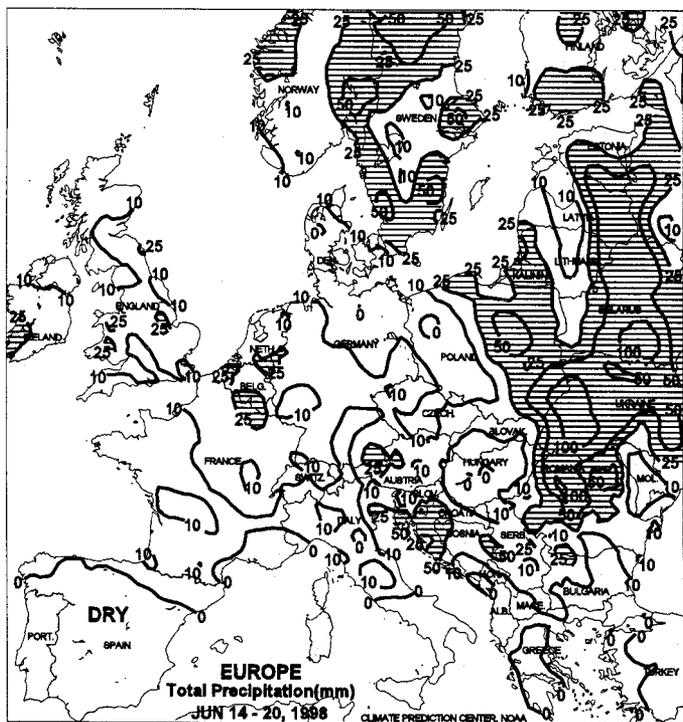
SOUTH ASIA: The advancing monsoon brought timely rains to central India conducive for planting grains, oilseeds, and cotton.

SOUTHEAST ASIA: Hot, mostly dry weather caused concern for Thai crops, while shower activity continued over Malaysia, Indonesia, and the Philippines.

EASTERN ASIA: Inundating rain in the Yangtze Valley caused some flooding and hampered rice cultivation.

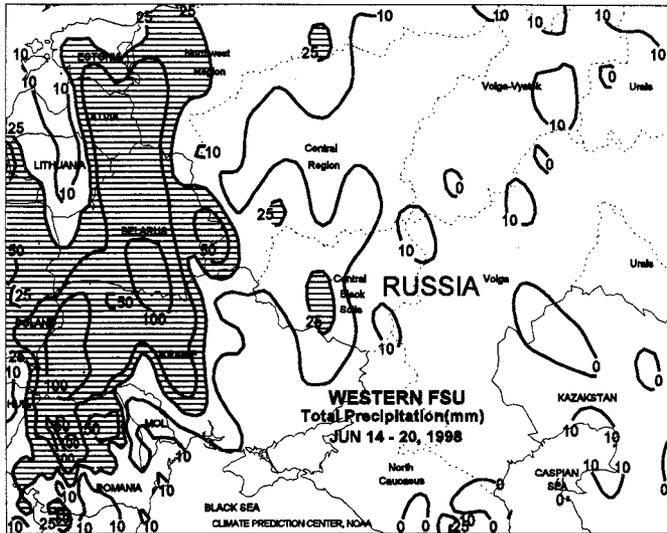
SOUTH AMERICA: Heavy rain slowed final summer crop harvests and winter wheat plantings in sections of southern Brazil and northeastern Argentina.

MEXICO: Hot, dry weather returned to the corn belt, slowing corn planting.



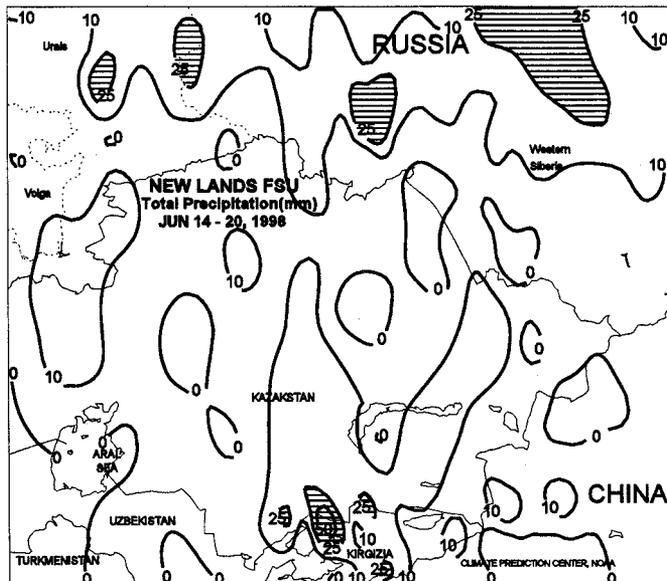
EUROPE

Widespread light to moderate showers (7-50 mm) continued in most of northern and eastern Europe, benefiting winter grains in the filling stage and spring grains in, or nearing, the heading stage. Greatest amounts of rain (25-50 mm) fell in parts of Scandinavia, eastern Poland, and northern Romania. Unseasonably cool weather slowed crop development in most of Europe, with weekly temperatures averaging 2 to 4 degrees C below normal. The exceptions were in Romania and Bulgaria, where weekly temperatures averaged slightly above normal. In the south, dry weather prevailed in Spain and southern Italy, helping winter grain harvesting.



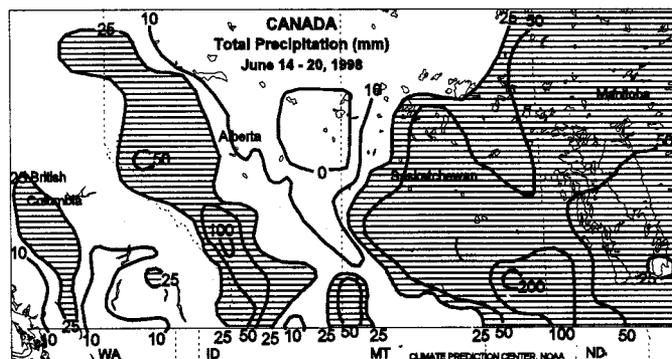
FSU-WESTERN

In Russia, a large area of high pressure remained centered over the Volga Valley, bringing unfavorably hot, dry weather to most areas. Little, if any, precipitation (mostly less than 5 mm, with scattered amounts in excess of 10 mm) fell in most of Russia, with drought conditions developing in parts of the North Caucasus, Volga Valley, and eastern portions of the Central Black Soils Region. The dryness in Russia was accompanied by persistent heat, with extreme maximum temperatures ranging from 35 to 40 degrees C. These hot, dry conditions were accompanied by very low humidities, irreversibly damaging winter grains in the filling to maturing stages and reducing prospects for spring grains (oats, barley, and wheat) in or nearing reproduction. Rain and cooler weather is needed to halt further declines in the yield potential of grain crops and to improve conditions for sugar beet and sunflower development. In Ukraine, hot, dry weather prevailed in the east, hastening maturity in winter grains and increasing stress on spring-sown crops. However, drenching rains (50 to more than 100 mm) fell in the western crop areas. The moderate to heavy rains extended northward into Belarus and eastern Latvia. Weekly temperatures averaged 5 to 10 degrees C above normal in Russia and 3 to 7 degrees C above normal in Ukraine, Belarus, and the Baltics.



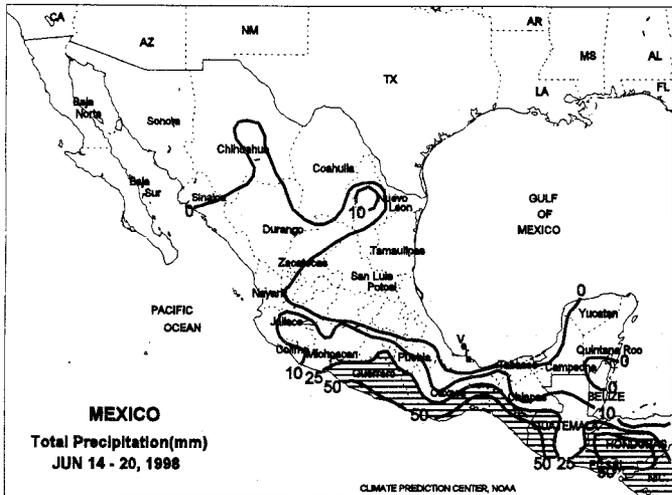
FSU-NEW LANDS

Hot, dry weather prevailed in the Urals and major spring grain-producing areas in Kazakhstan during most of the week, rapidly depleting topsoil moisture. Extreme maximum temperatures in these areas ranged from 34 to 37 degrees C, increasing stress on spring grains in the jointing stage. Elsewhere in Russia, scattered showers (3-22 mm, with local amounts in excess of 25 mm) fell in Western Siberia, moistening topsoils. Although hot weather extended into parts of Western Siberia during the week, cooler weather spread south over the area at week's end, improving conditions for crop development. In the cotton-producing regions of Central Asia, unseasonably cool weather prevailed over most areas, slowing cotton development.



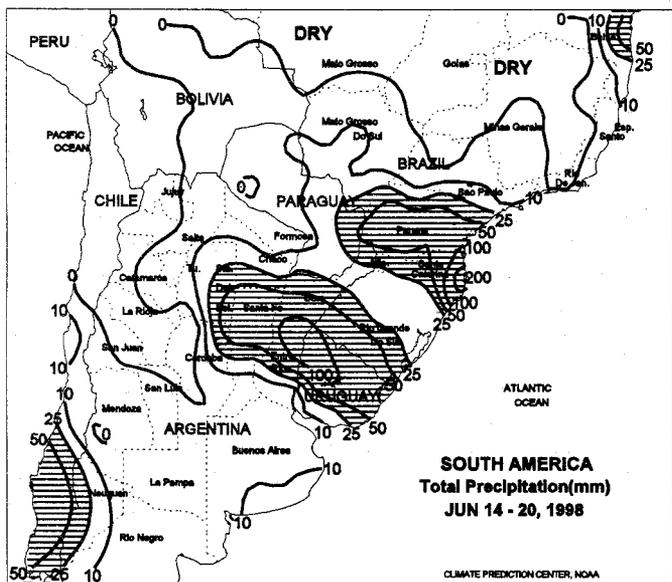
CANADA

Beneficial rain (10-50 mm or more) swept across the Prairies, bringing some relief from long-term dryness and aiding the recovery of freeze-damaged grains and oilseeds. Heaviest rain (50 mm or greater) was concentrated over Saskatchewan and southern Manitoba. A few dry pockets (less than 10 mm total precipitation) persisted over southern Saskatchewan and northern Alberta. However, the area experiencing prolonged dryness has been declining steadily in recent weeks. Prairie temperatures averaged below normal due to the rainy weather, but no freezes were reported in the main agricultural regions. In eastern Canada, warm, mostly dry weather dominated Ontario, placing high moisture demands on corn and soybeans but hastening winter wheat maturity. Showers (10-20 mm or more) benefited Quebec's agriculture.



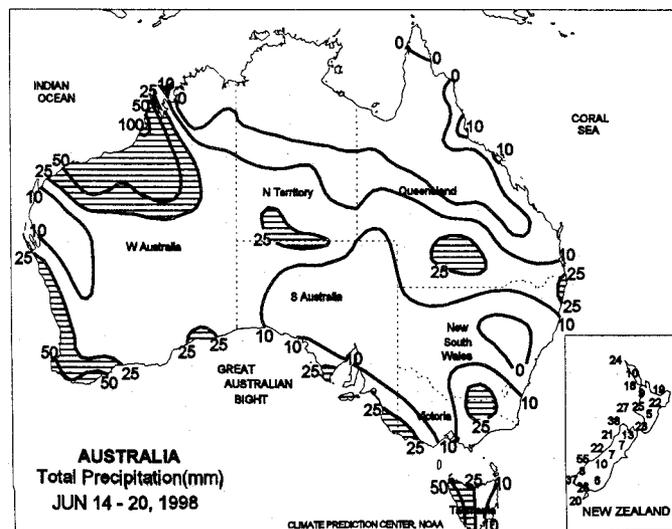
MEXICO

Dry weather returned to the southern Plateau corn belt, slowing corn planting. Significant showers (10 to locally more than 50 mm) were confined to coastal areas of southwestern Mexico. Farther north, hot, dry weather continued in northeastern Mexico, stressing pastures and livestock. Weekly temperatures averaged 3 to 5 degrees C above normal, with extreme maximum temperatures ranging from 34 to 46 degrees C.



SOUTH AMERICA

Lingering showers continued to impede seasonal fieldwork over sections of southern Brazil and northeastern Argentina. In Brazil, the rain expanded northward to Parana this week, slowing late soybean harvesting and winter wheat planting. Above-normal temperatures continued to favor coffee maturation and harvesting in Minas Gerais and northern Sao Paulo. In Argentina, the chronic wetness kept unharvested cotton in northern Santa Fe unfavorably wet, and likely contributed to some flooding near the border with Uruguay. According to reports as of June 19, Argentine soybean, corn, and cotton crops were 91, 76, and 59 percent harvested, respectively.

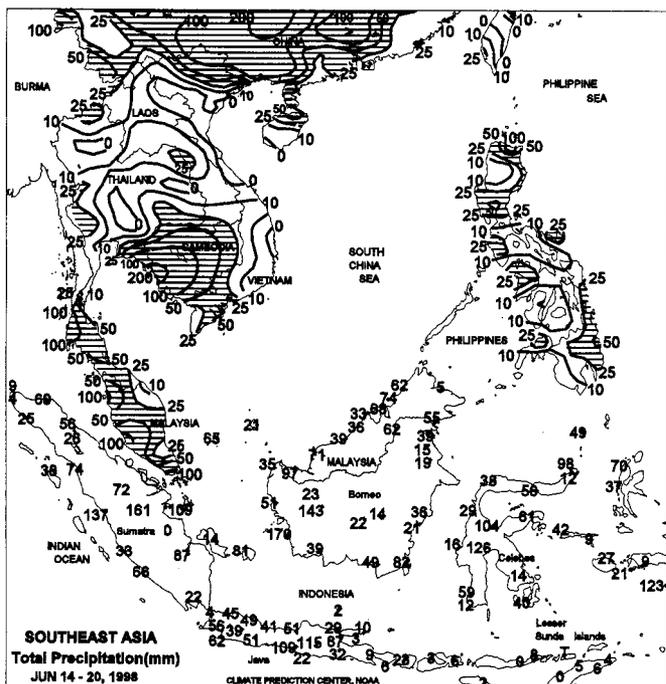


AUSTRALIA

Rain (10-25 mm or more) maintained adequate to abundant moisture levels for crop establishment throughout Western Australia's winter grain belt. Light to moderate showers continued across the southeast, although areas farthest from the coast again received less than 10 mm. Moderate showers (10-25 mm or more) swept across southern Queensland, boosting moisture reserves as far south as Darling Downs, and developed later in the week over southern sections of New South Wales. Temperatures were near to below normal, with patches of frost and freezing temperatures scattered across the main wheat and barley areas. In New Zealand, light to moderate showers (5-25 mm or more) covered the main agricultural areas.

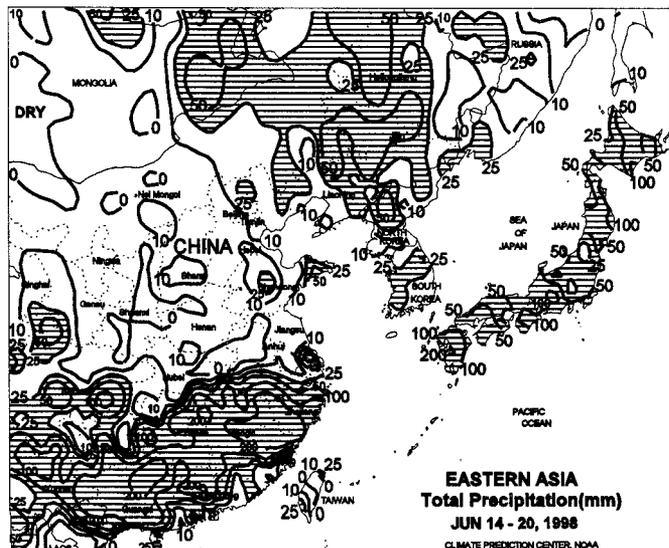
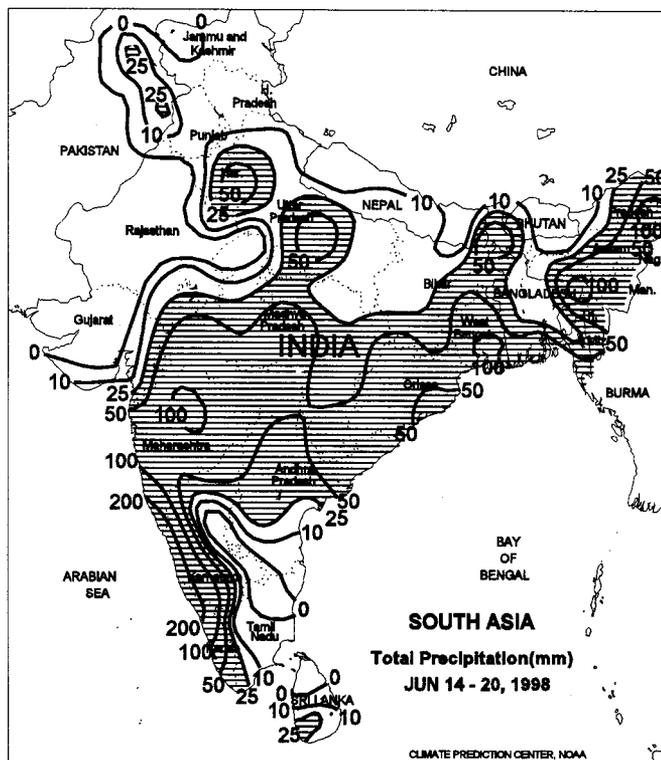
SOUTHEAST ASIA

Warm (temperatures 2-4 degrees C above normal, highs from 37-40 degrees C), mostly dry weather reduced moisture reserves for vegetative crops in Thailand's main rice, corn, and sugarcane areas. In addition, shower activity diminished over the Mekong Delta, with just a few spots recording more than 25 mm. Farther south, locally heavy rain (25-100 mm or more) covered the Malay Peninsula, Sarawak, and Indonesia, further increasing moisture supplies for rice and plantation crops. Scattered showers (10-50 mm or more) brought some relief to Philippine rice, corn, and sugarcane, but more will be needed to ease long-term moisture deficits.



SOUTH ASIA

The southwest monsoon brought moderate to heavy showers (25-50 mm or more) to much of central India, improving prospects for grain, oilseed, and cotton planting. The rain reached important east coastal rice areas (Orissa and Andhra Pradesh) as well as soybean, coarse grain, cotton, and sugarcane areas of west-central India. Showers diminished somewhat over the main far-eastern rice areas, but pockets of heavy rain (50-100 mm or more) continued over India's Assam State. Scattered showers (1-25 mm, locally exceeding 50 mm) across northern India brought some relief from seasonably high temperatures (lower to middle 40's degrees C). However, the rainy season is not expected to begin in earnest across the north for a few more weeks and any current fieldwork will likely be confined to the tending of irrigated cotton and rice.



EASTERN ASIA

A near-stationary frontal system brought frequent, locally heavy rain to southern China and Japan. In China, the rainfall (50-100 mm or more, exceeding 200 mm at many locations) stretched from Yunnan in the southwest to Zhejiang on the east coast. The lower two-thirds of the Yangtze River Valley experienced flooding and disruptions in rice fieldwork from the stormy pattern. In Japan, the moderate to heavy rain (25-50 mm or more, locally exceeding 100 mm) that spanned the main islands was excessive for rice and other crops and likely caused localized flooding. Elsewhere, drier weather in the North China Plain favored wheat harvesting. Moderate to heavy rain (25-50 mm or more) covering most of Manchuria increased moisture reserves for soybeans and spring wheat, while somewhat lighter showers (10-25 mm or more) fell throughout the Korean Peninsula. Temperatures averaged near to above normal across the region.

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U.S. DEPARTMENT OF COMMERCE

National Oceanic and Atmospheric Administration
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Managing Editor (Acting) *A. James Miller*
Meteorologists *David Miskus*
..... *Jeff Savadel, Brian Morris, and James Brotherton*
Special Requests (202) 720-7917
Subscriptions *John Kopman* (301) 763-8227, ext. 7534
fax: (301) 763-8125

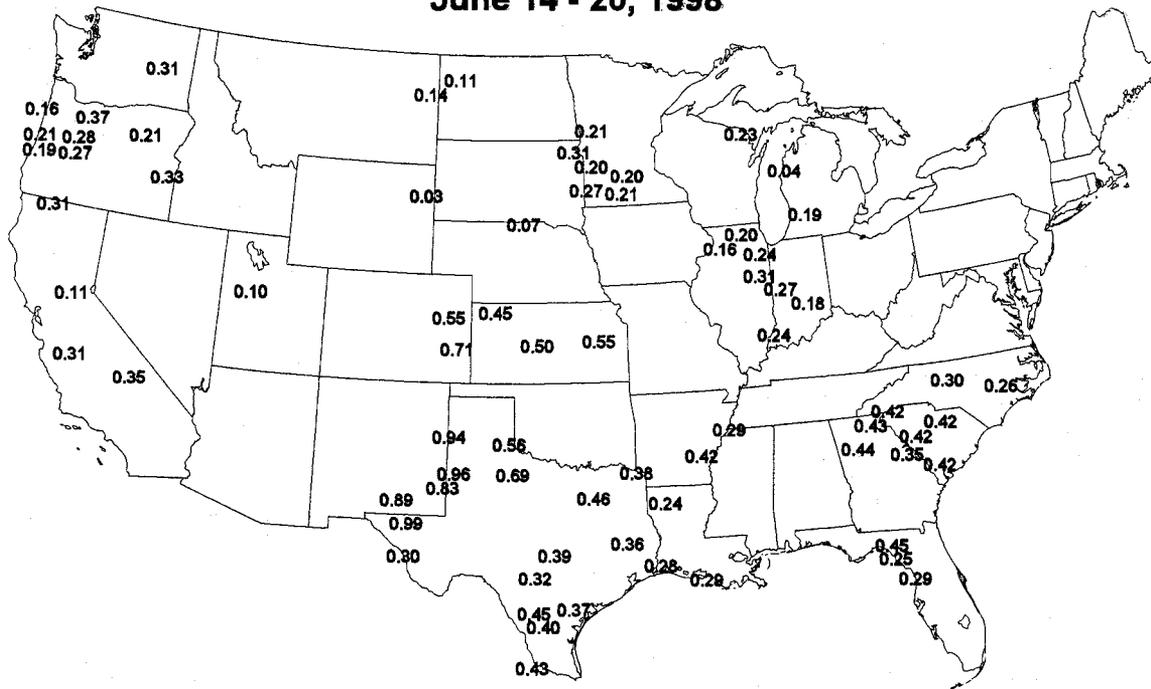
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NOAA/NWS/NCEP
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