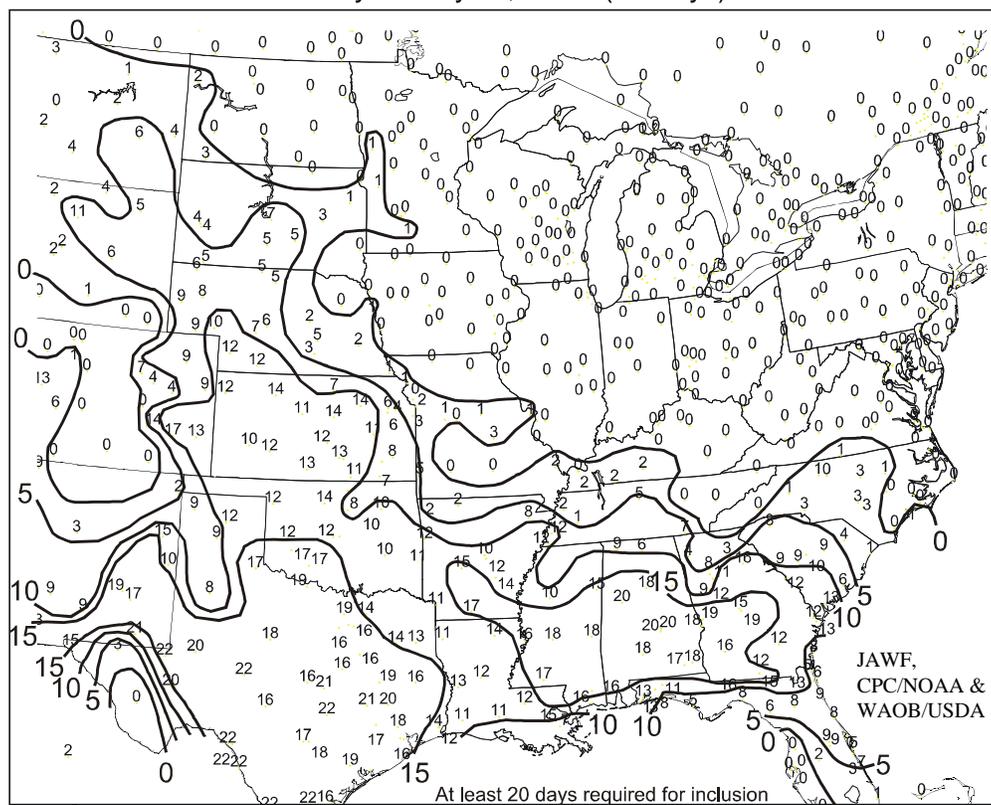


WEEKLY WEATHER AND CROP BULLETIN

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

Number of Days Maximum Temperature 95F or Greater
July 1 - July 22, 2000 (22 Days)



After a relatively cool June in the Nation's midsection (temperatures averaged 2° to 4°F below normal), hot weather was absent again across most of the Corn Belt, Great Lakes region, New England, mid-Atlantic, and Appalachians during the first 22 days of July. Highs failed to reach even 90°F in most locations, and July average temperature departures were -2°F to -6°F in the eastern Great Lakes region and the Northeast. The lack of summer heat and surplus rainfall has most Midwest and mid-Atlantic soybean and corn crops in good to excellent condition, according to NASS. In contrast, subnormal rainfall and excessive heat in parts of the Southeast and far western Corn Belt has had adverse agricultural and hydrological impacts.

HIGHLIGHTS

July 16 - 22, 2000

Favorably drier air overspread the **northern Corn Belt**, while **Midwestern** temperatures remained nearly ideal for silking-to dough-stage corn and blooming to pod-setting soybeans. While **Corn Belt** temperatures remained below 90°F and averaged 4 to 12°F below normal, record-setting heat continued to grip the **South**. From **Texas** to **Georgia**, temperatures averaged up to 7°F above normal, frequently ranging from 95 to 105°F. Across the **Southeast**, the heat severely stressed pastures and summer crops—including cotton, soybeans, and peanuts—already adversely affected by long-term drought. Late-week showers and thundershowers in the **Southeast** provided only localized and limited relief. From the **Delta westward**, heat and dryness depleted topsoil moisture and increased

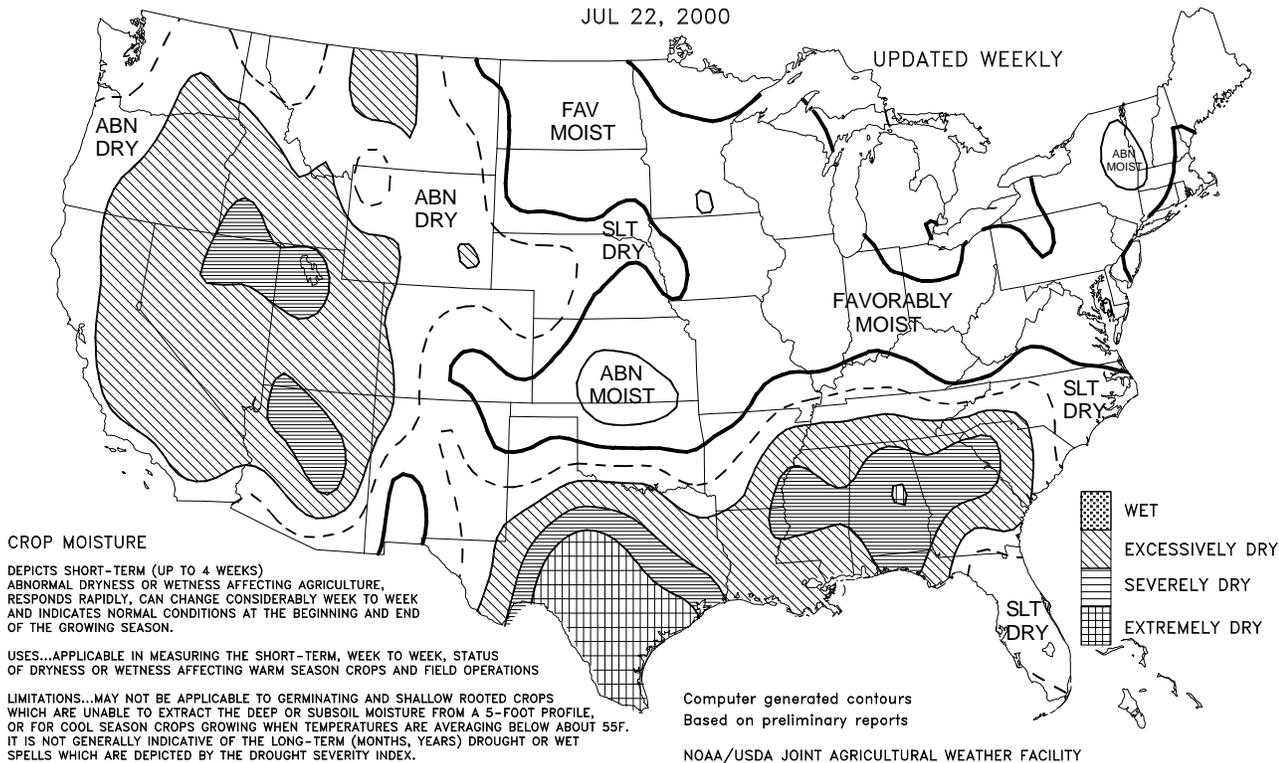
(Continued on page 7)

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Crop Moisture
SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE
JUL 22, 2000

UPDATED WEEKLY



CROP MOISTURE

DEPICTS SHORT-TERM (UP TO 4 WEEKS) ABNORMAL DRYNESS OR WETNESS AFFECTING AGRICULTURE. RESPONDS RAPIDLY, CAN CHANGE CONSIDERABLY WEEK TO WEEK AND INDICATES NORMAL CONDITIONS AT THE BEGINNING AND END OF THE GROWING SEASON.

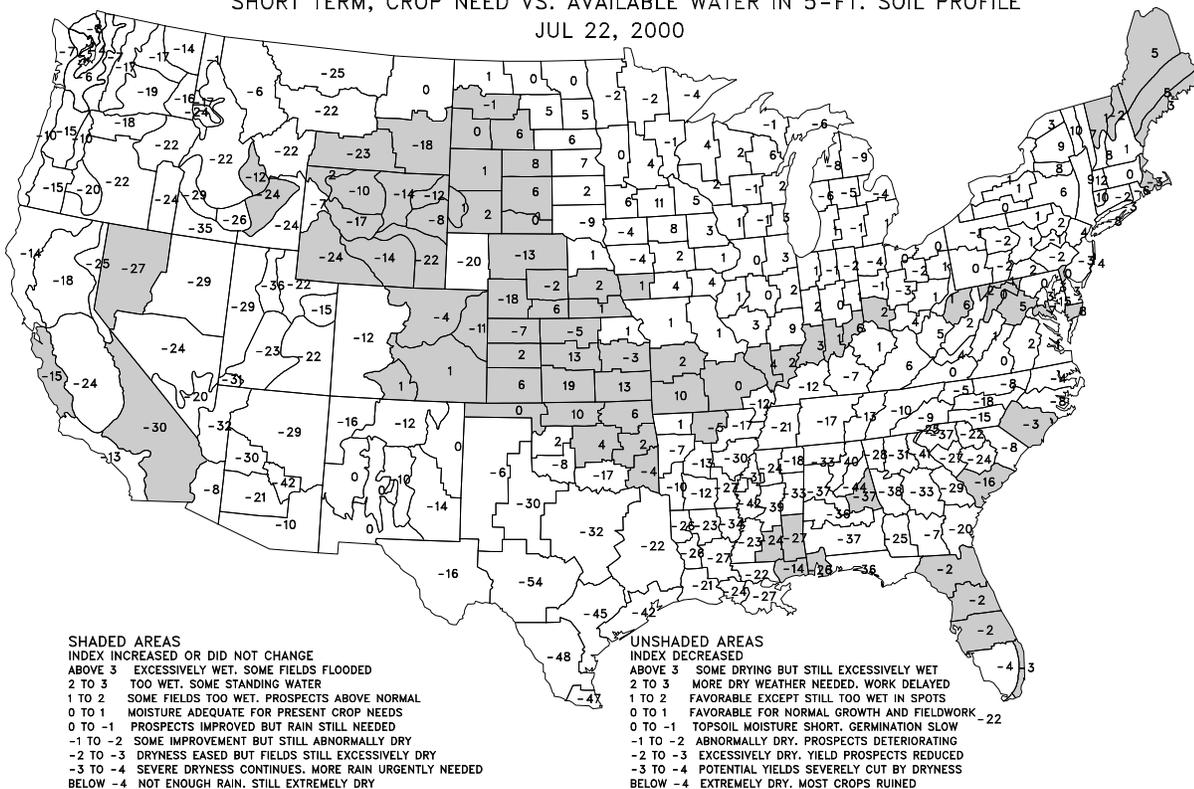
USES...APPLICABLE IN MEASURING THE SHORT-TERM, WEEK TO WEEK, STATUS OF DRYNESS OR WETNESS AFFECTING WARM SEASON CROPS AND FIELD OPERATIONS

LIMITATIONS...MAY NOT BE APPLICABLE TO GERMINATING AND SHALLOW ROOTED CROPS WHICH ARE UNABLE TO EXTRACT THE DEEP OR SUBSOIL MOISTURE FROM A 5-FOOT PROFILE, OR FOR COOL SEASON CROPS GROWING WHEN TEMPERATURES ARE AVERAGING BELOW 55F. IT IS NOT GENERALLY INDICATIVE OF THE LONG-TERM (MONTHS, YEARS) DROUGHT OR WET SPELLS WHICH ARE DEPICTED BY THE DROUGHT SEVERITY INDEX.

Computer generated contours
Based on preliminary reports

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

Crop Moisture Index
SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE
JUL 22, 2000



SHADED AREAS
INDEX INCREASED OR DID NOT CHANGE
ABOVE 3 EXCESSIVELY WET. SOME FIELDS FLOODED
2 TO 3 TOO WET. SOME STANDING WATER
1 TO 2 SOME FIELDS TOO WET. PROSPECTS ABOVE NORMAL
0 TO 1 MOISTURE ADEQUATE FOR PRESENT CROP NEEDS
0 TO -1 PROSPECTS IMPROVED BUT RAIN STILL NEEDED
-1 TO -2 SOME IMPROVEMENT BUT STILL ABNORMALLY DRY
-2 TO -3 DRYNESS EASED BUT FIELDS STILL EXCESSIVELY DRY
-3 TO -4 SEVERE DRYNESS CONTINUES. MORE RAIN URGENTLY NEEDED
BELOW -4 NOT ENOUGH RAIN. STILL EXTREMELY DRY

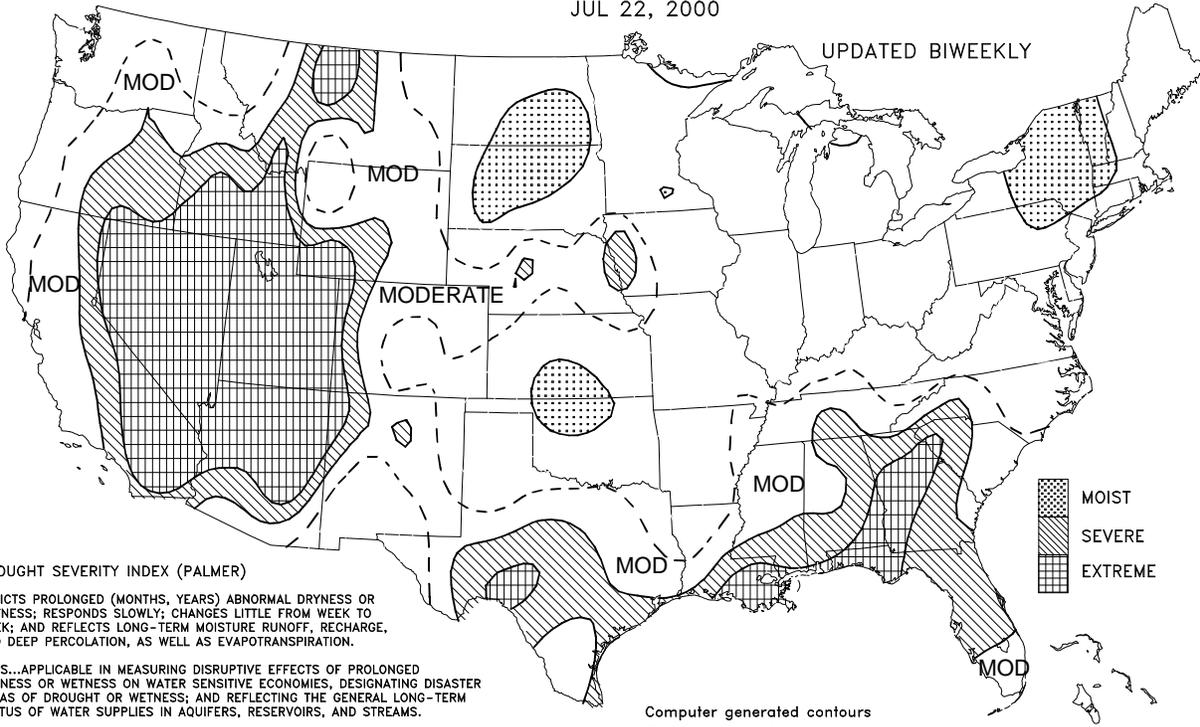
UNSHADED AREAS
INDEX DECREASED
ABOVE 3 SOME DRYING BUT STILL EXCESSIVELY WET
2 TO 3 MORE DRY WEATHER NEEDED. WORK DELAYED
1 TO 2 FAVORABLE EXCEPT STILL TOO WET IN SPOTS
0 TO 1 FAVORABLE FOR NORMAL GROWTH AND FIELDWORK
0 TO -1 TOPSOIL MOISTURE SHORT. GERMINATION SLOW
-1 TO -2 ABNORMALLY DRY. PROSPECTS DETERIORATING
-2 TO -3 EXCESSIVELY DRY. YIELD PROSPECTS REDUCED
-3 TO -4 POTENTIAL YIELDS SEVERELY CUT BY DRYNESS
BELOW -4 EXTREMELY DRY. MOST CROPS RUINED

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

BASED ON PRELIMINARY DATA

DROUGHT SEVERITY
LONG TERM PALMER
JUL 22, 2000

UPDATED BIWEEKLY



DROUGHT SEVERITY INDEX (PALMER)

DEPICTS PROLONGED (MONTHS, YEARS) ABNORMAL DRYNESS OR WETNESS; RESPONDS SLOWLY; CHANGES LITTLE FROM WEEK TO WEEK; AND REFLECTS LONG-TERM MOISTURE RUNOFF, RECHARGE, AND DEEP PERCOLATION, AS WELL AS EVAPOTRANSPIRATION.

USES...APPLICABLE IN MEASURING DISRUPTIVE EFFECTS OF PROLONGED DRYNESS OR WETNESS ON WATER SENSITIVE ECONOMIES, DESIGNATING DISASTER AREAS OF DROUGHT OR WETNESS; AND REFLECTING THE GENERAL LONG-TERM STATUS OF WATER SUPPLIES IN AQUIFERS, RESERVOIRS, AND STREAMS.

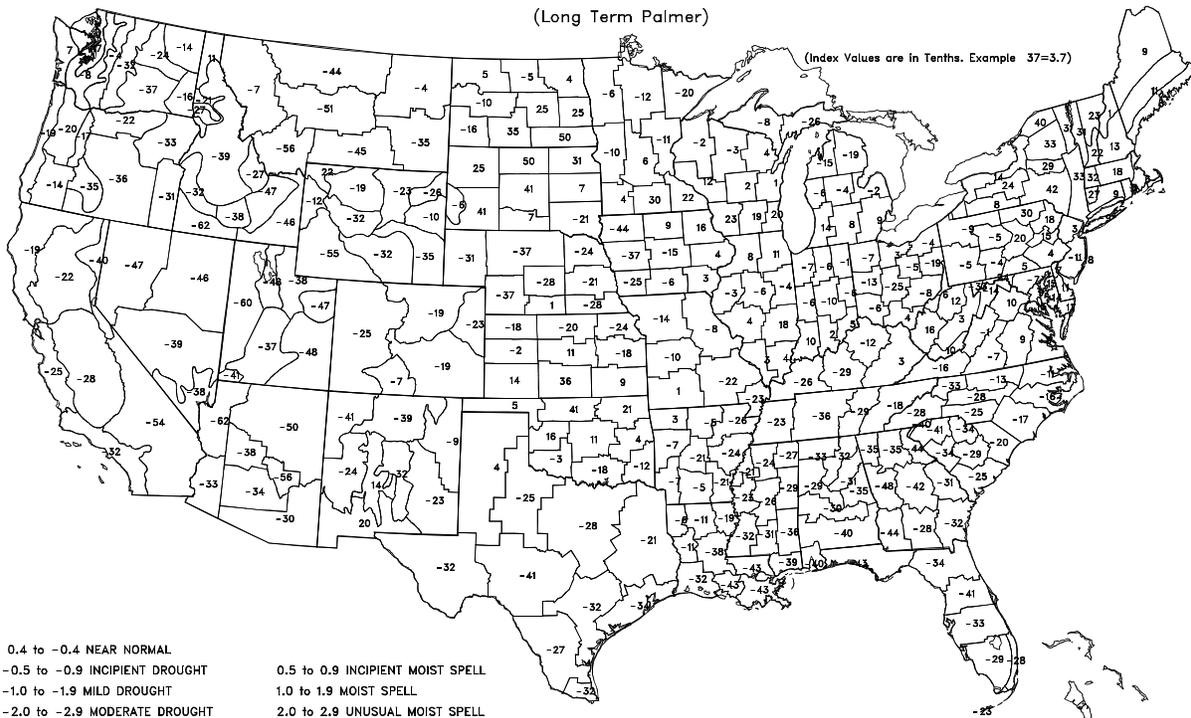
LIMITATIONS...IS NOT GENERALLY INDICATIVE OF SHORT-TERM (FEW WEEKS) STATUS OF DROUGHT OR WETNESS SUCH AS FREQUENTLY AFFECTS CROPS AND FIELD OPERATIONS (THIS IS INDICATED BY THE CROP MOISTURE INDEX).

Computer generated contours
Based on preliminary reports

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

Drought Severity Index by Division
JUL 22, 2000
(Long Term Palmer)

(Index Values are in Tenths. Example 37=3.7)



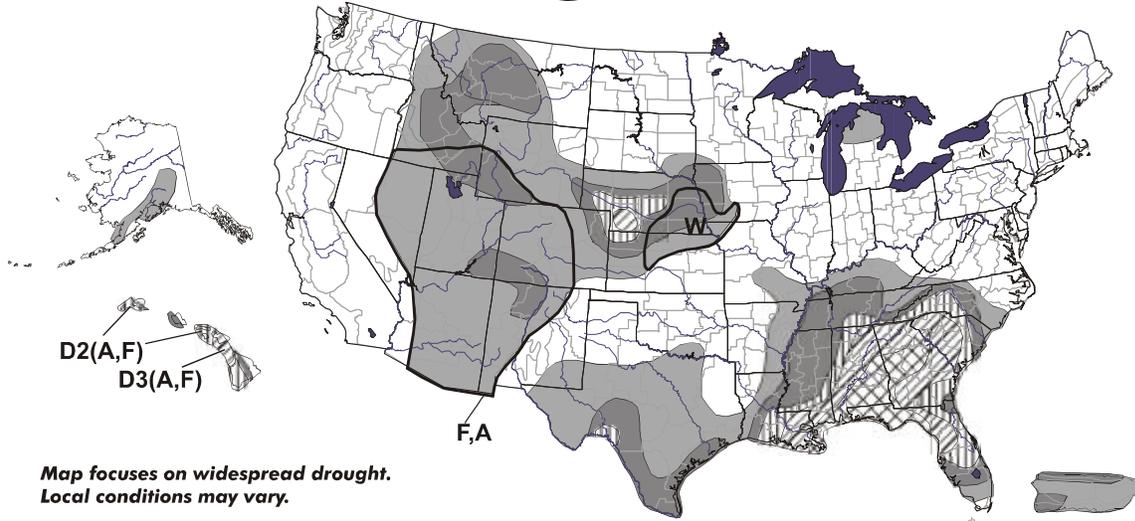
0.4 to -0.4 NEAR NORMAL
-0.5 to -0.9 INCIPENT DROUGHT
-1.0 to -1.9 MILD DROUGHT
-2.0 to -2.9 MODERATE DROUGHT
-3.0 to -3.9 SEVERE DROUGHT
BELOW -4.0 EXTREME DROUGHT

0.5 to 0.9 INCIPENT MOIST SPELL
1.0 to 1.9 MOIST SPELL
2.0 to 2.9 UNUSUAL MOIST SPELL
3.0 to 3.9 VERY MOIST SPELL
ABOVE 4.0 EXTREME MOIST SPELL

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary data
Bolded values are RFC/CADB derived

July 18, 2000 Valid 8 a.m. EDT

U.S. Drought Monitor



Map focuses on widespread drought. Local conditions may vary.

- D0 Abnormally Dry
 - D1 Drought-First Stage
 - ▨ D2 Drought-Severe
 - ▩ D3 Drought-Extreme
 - ▧ D4 Drought-Exceptional
 - Delineates Overlapping Areas
- Drought type: used only when impacts differ
- A = Agriculture
W = Water
F = Wildfire danger

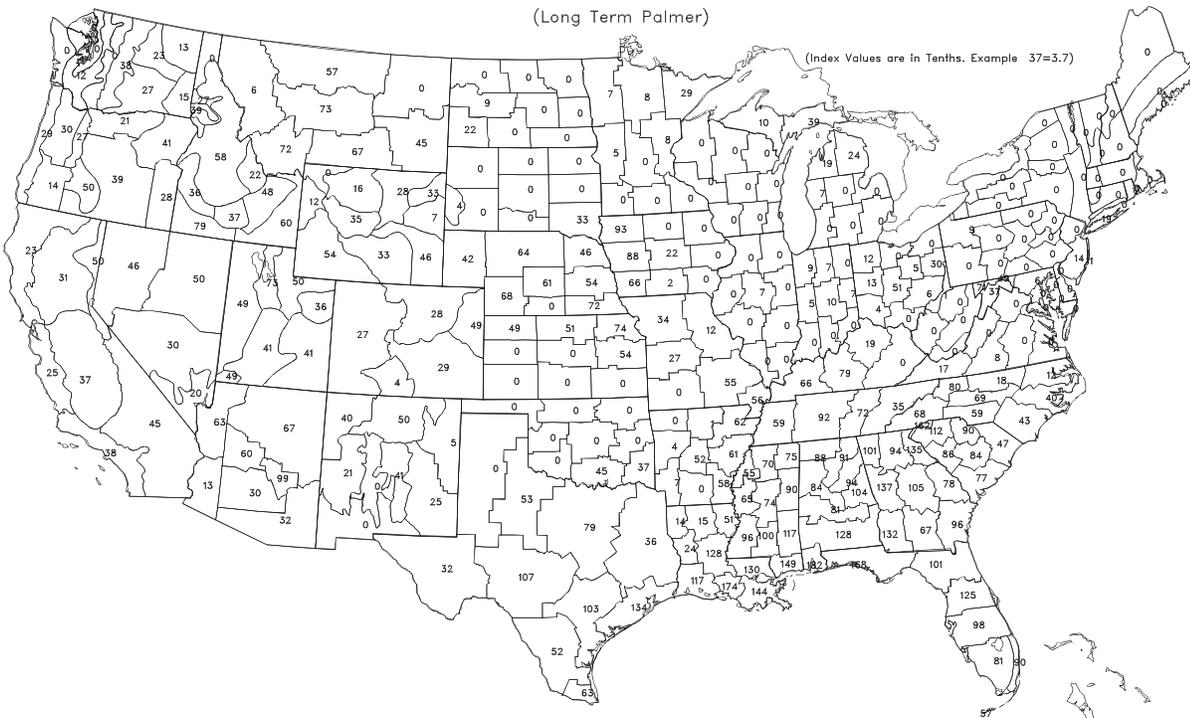


See accompanying text summary for forecast statements

● Released Thursday, July 20, 2000 ●
 Drought Monitor Web Site:
<http://enso.unl.edu/monitor/monitor.html>

Additional Precipitation Needed to Bring Index Near Zero

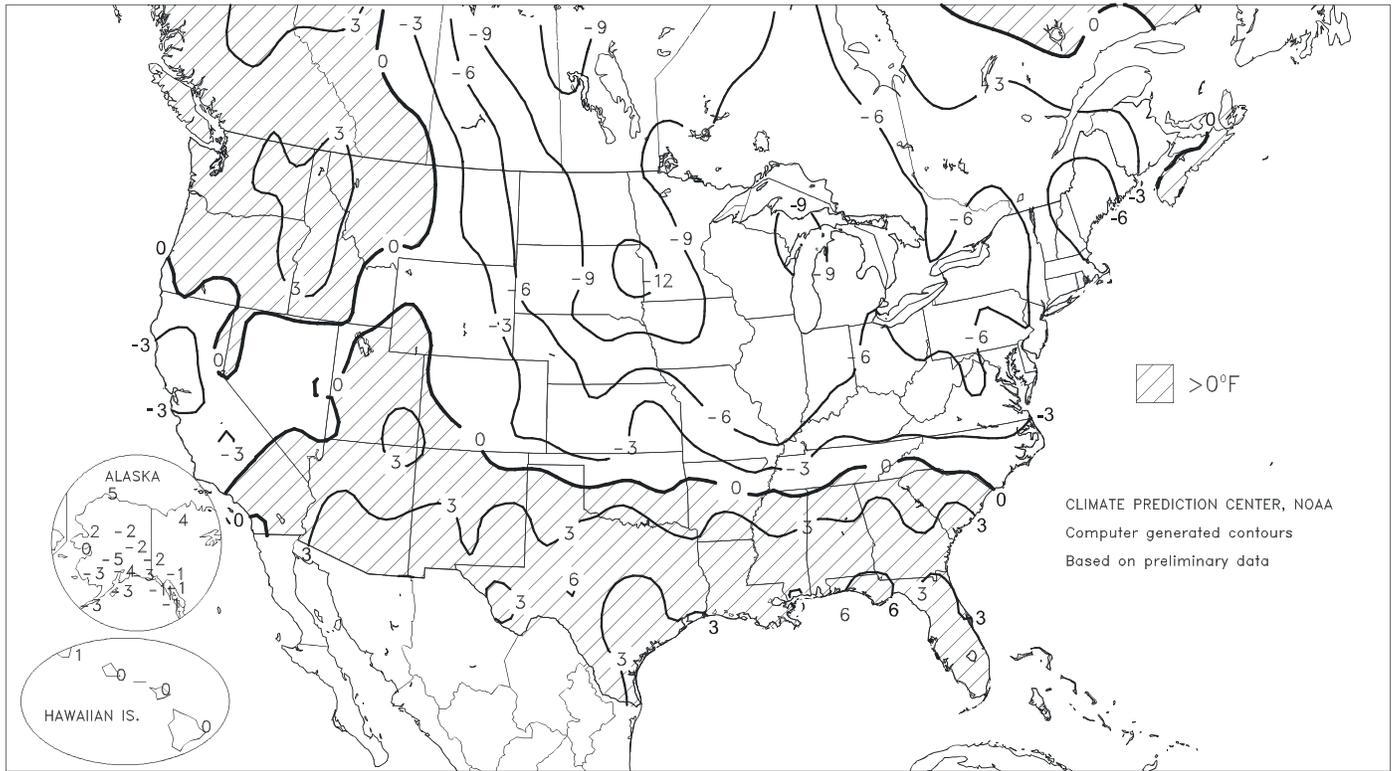
JUL 22, 2000
(Long Term Palmer)



NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary data

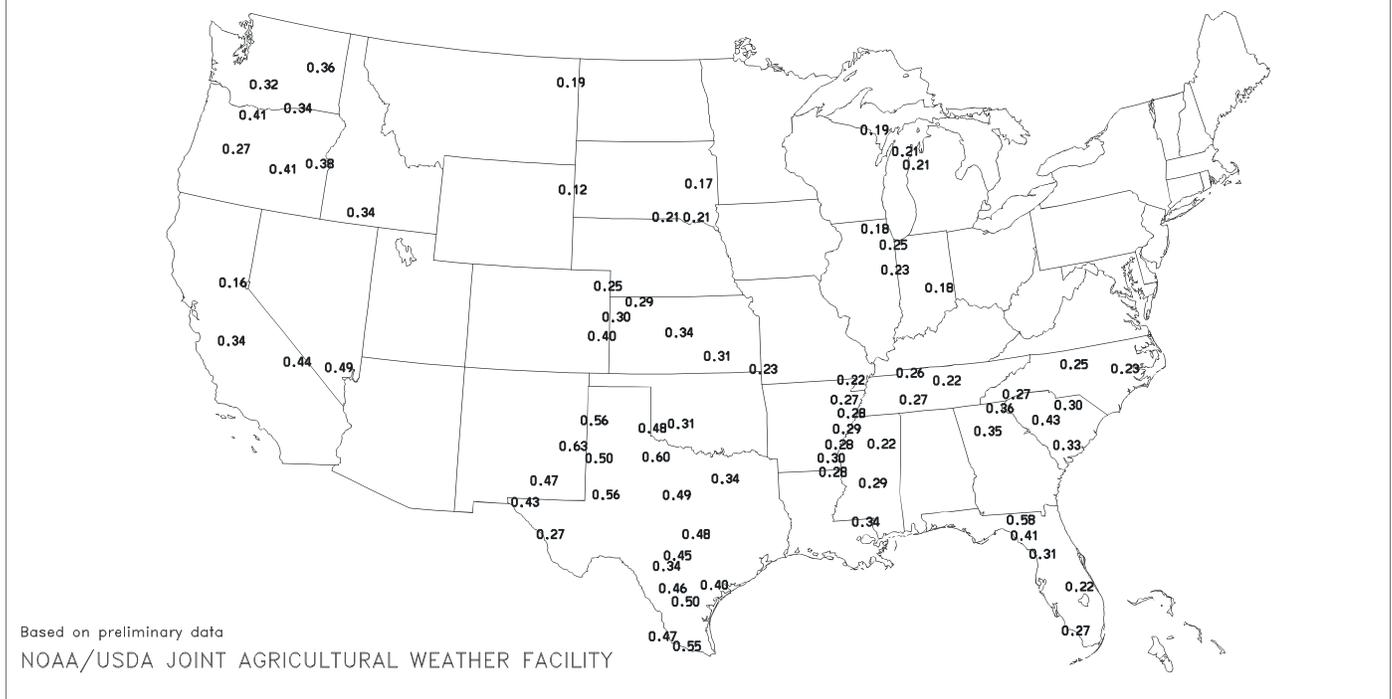
Departure of Average Temperature from Normal (°F)

JUL 16 - 22, 2000



Average Pan Evaporation (Inches)

JUL 16 - 22, 2000



(Continued from front cover)

irrigation requirements. Meanwhile, widespread, locally heavy rainfall boosted soil moisture for summer crops from the **central Plains** to the **middle Mississippi Valley**. More than 4 inches of rain soaked portions of **central and southern Kansas**. Farther north, cool weather and occasional showers in the **Dakotas** slowed the development of spring-sown small grains. In contrast, very warm, mostly dry weather prevailed in the **Intermountain West**, increasing crop-water demands and fostering the spread of wildfires. Temperatures were cooler in the **West Coast States**, however, averaging as much as 5°F below normal in **California's Central Valley**.

Record-breaking heat persisted across the **South** until week's end, when a cold front's passage brought limited relief from heat and dryness. In **western Florida**, **Pensacola** netted six consecutive daily-record highs (101, 101, 98, 103, 99, and 102°F) from July 15-20. On July 20, **Tuscaloosa, AL** posted their fourth consecutive daily-record high and ninth in 12 days. **Tuscaloosa's** maxima peaked at 105°F on July 15 and 19, their highest readings since the mercury hit 105°F on July 12, 1980. In **Mississippi**, **Meridian's** high of 106°F on July 16 was their second-highest reading on record, behind only 107°F on July 14, 1980. For the week, high temperatures averaged 101.1°F in **Meridian** and 100.4°F in **Birmingham, AL**.

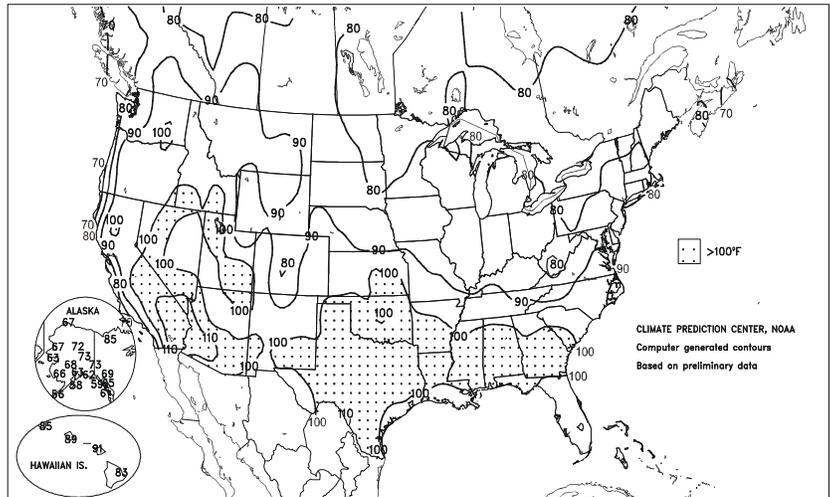
Farther west, highs in **Wichita Falls, TX** soared to 109°F on July 16 and 108°F on July 17 and 20. In the **Rio Grande Valley**, **Del Rio, TX** recorded a high of 108°F on July 16 and a weekly average maximum temperature of 103.7°F. In contrast, **Denver, CO** registered a high of 80°F on Sunday, ending a near-record 17-day streak with highs at or above 90°F. During **Denver's** 128-year period of record, only two streaks (18 days apiece in July 1874 and July 1901) were longer. Heat returned to the **High Plains** at week's end, however, as highs in **Montana** on Saturday soared to 98°F in **Helena** and **Great Falls**. Heat also shifted into the **Southwest** late in the week. In **Utah**, daily records on July 22 included 108°F in **Moab** and 103°F in **Salt Lake City**.

In contrast, cool conditions persisted from the **Midwest** into the **Northeast**. On Tuesday, highs of 58°F in **Rochester, MN** and **Green Bay, WI** were the stations' lowest on record for July. Temperatures again remained below 90°F nearly **Corn Belt-wide**, including **Chicago, IL** and **Indianapolis, IN**. Since 1900, **Chicago's** only later first occurrence of 90-degree heat was on September 14, 1915. **Indianapolis** approached their all-time-record latest first observance of 90-degree heat, set on August 6, 1979. On July 19, July-record lows were set in **Michigan's Upper Peninsula** at **Manistique** (34°F) and **Escanaba** (36°F). Previous records at both locations had stood since July 1972. In **northeastern Minnesota**, Wednesday's lows dipped to 29°F in **Tower** and 31°F in **Embarrass**. Near-freezing readings were observed as far south as **northern Lower Michigan**, where **Pellston** registered 33°F.

While soaking rains were observed in the **central Plains**, **middle Mississippi Valley**, and **Peninsular Florida**, moisture

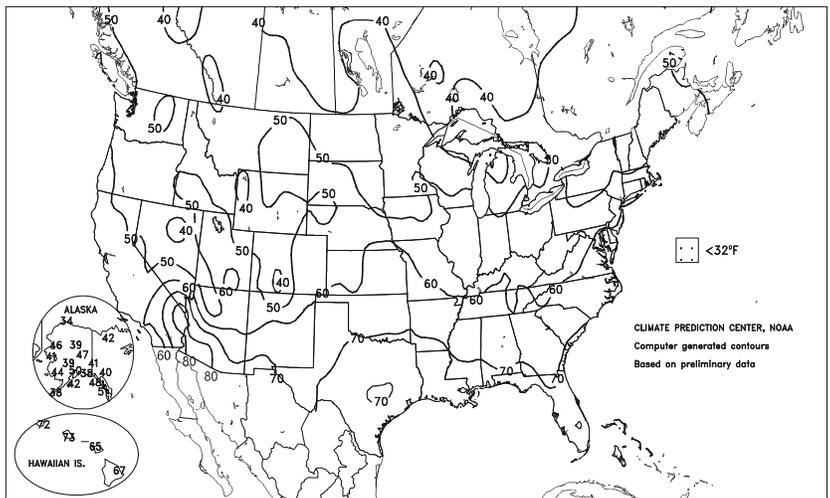
Extreme Maximum Temperature (°F)

JUL 16 - 22, 2000



Extreme Minimum Temperature (°F)

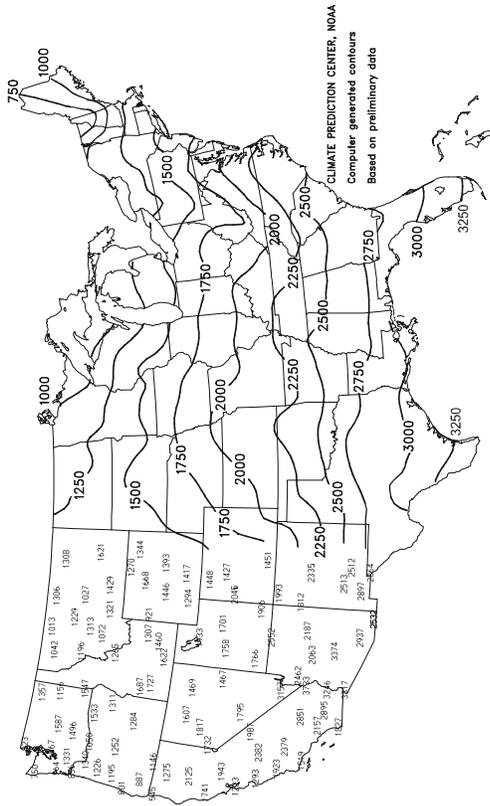
JUL 16 - 22, 2000



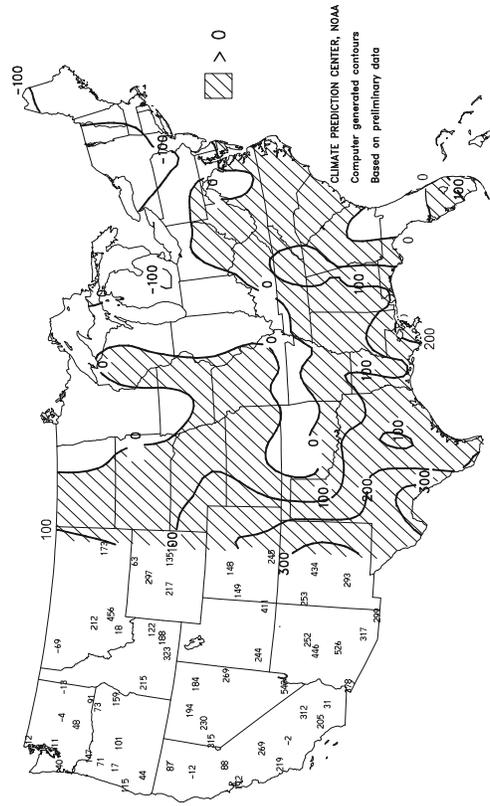
deficits continued to mount in most of the drought-stricken **Southeast**. Through July 22, year-to-date rainfall stood as low as 12.23 inches (32 percent of normal) in **Tallahassee, FL**, 14.71 inches (45 percent) in **Montgomery, AL**, and 15.86 inches (57 percent) in **Macon, GA**. In contrast, month-to-date rainfall reached 6.09 inches in **Tampa, FL**, accounting for 44 percent of their January 1 - July 22 total of 13.73 inches (61 percent of normal). Farther north, heavy rain ended across the **Northeast** early in the week, but nevertheless boosted the year-to-date precipitation in **Binghamton, NY** to 29.66 inches (147 percent of normal), well above their January-July 1998 record of 29.00 inches. In addition, **Binghamton's** high temperature last reached the 80-degree mark on June 25 (83°F), and never exceeded 78°F during the first 22 days of July. **Binghamton's** record-low total of days with 80-degree warmth in July was 3 days in 1992.

Cool, showery conditions further eased dryness across **mainland Alaska**, where temperatures averaged as much as 5°F below normal. Cool, wet weather lingered across **southern Alaska**. In the **Aleutians**, **Cold Bay** noted daily-record lows on Monday (38°F) and Saturday (41°F). Meanwhile in **Hawaii**, significant rainfall was confined to windward locations, resulting in little change across drought-affected leeward areas.

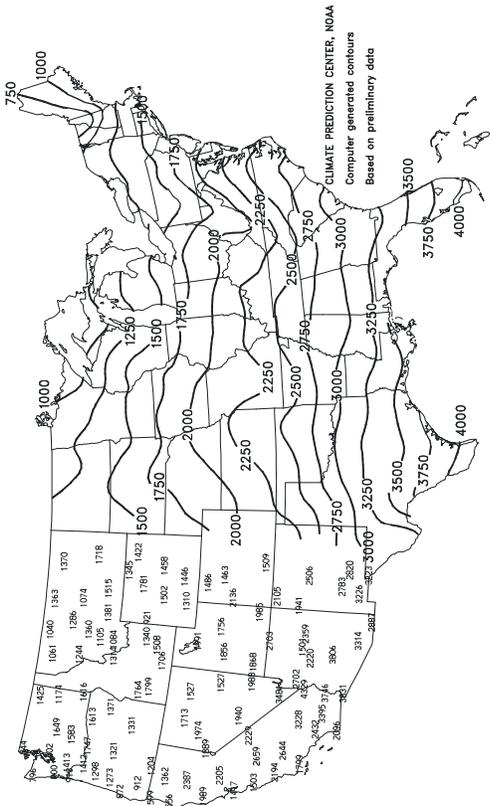
Total Growing Degree Days
APR 1 - JUL 22, 2000



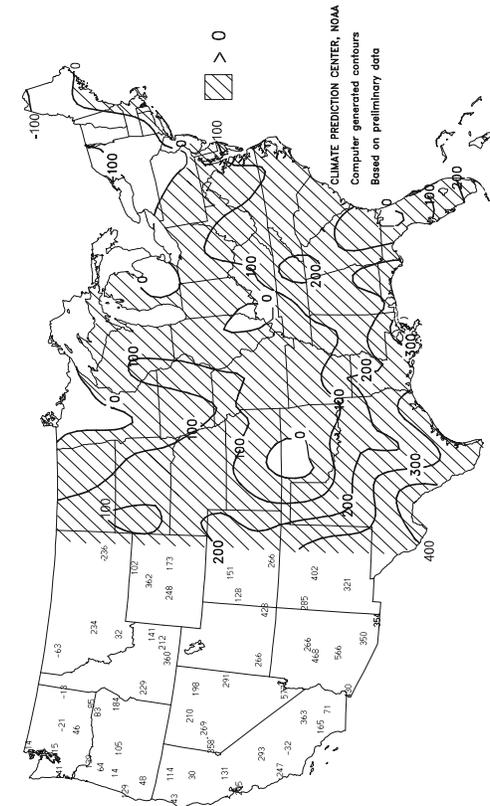
Departure From Normal Growing Degree Days
APR 1 - JUL 22, 2000



Total Growing Degree Days
MAR 1 - JUL 22, 2000



Departure From Normal Growing Degree Days
MAR 1 - JUL 22, 2000



National Weather Data for Selected Cities

Weather Data for the Week Ending July 22, 2000

Data Provided by Climate Prediction Center (301-763-8000, Ext. 7503)

| STATES AND STATIONS | TEMPERATURE EF | | | | | | PRECIPITATION | | | | | | RELATIVE HUMIDITY PERCENT | | NUMBER OF DAYS | | | | | |
|---------------------|-----------------|-----------------|--------------|-------------|---------|-----------------------|-------------------|-----------------------|--------------------------|-----------------------|-------------------------|-----------------------|---------------------------|-----------------|-----------------|--------------|--------------|-----------------|-----------------|---|
| | AVERAGE MAXIMUM | AVERAGE MINIMUM | EXTREME HIGH | EXTREME LOW | AVERAGE | DEPARTURE FROM NORMAL | WEEKLY TOTAL, IN. | DEPARTURE FROM NORMAL | GREATEST IN 24-HOUR, IN. | TOTAL IN, SINCE Jun 1 | PCT. NORMAL SINCE Jun 1 | TOTAL IN, SINCE Jun 1 | PCT. NORMAL SINCE Jun 1 | AVERAGE MAXIMUM | AVERAGE MINIMUM | TEMP. EF | | PRECIP. | | |
| | | | | | | | | | | | | | | | | 90 AND ABOVE | 32 AND BELOW | 01 INCH OR MORE | 50 INCH OR MORE | |
| AL | BIRMINGHAM | 97 | 69 | 103 | 65 | 83 | 3 | 1.21 | 0.17 | 1.21 | 4.13 | 55 | 31.76 | 95 | *** | 6 | 0 | 1 | 1 | |
| | HUNTSVILLE | 92 | 68 | 99 | 63 | 80 | 1 | 0.31 | -0.63 | 0.31 | 5.50 | 72 | 27.79 | 81 | 90 | 57 | 4 | 0 | 1 | 0 |
| | MOBILE | 98 | 74 | 101 | 71 | 86 | 4 | 1.08 | -0.30 | 0.62 | 5.81 | 59 | 21.53 | 59 | 88 | 59 | 6 | 0 | 2 | 1 |
| | MONTGOMERY | 100 | 71 | 104 | 68 | 85 | 3 | 0.10 | -0.92 | 0.10 | 3.15 | 41 | 14.71 | 45 | 78 | 29 | 6 | 0 | 1 | 0 |
| AK | ANCHORAGE | 59 | 50 | 63 | 50 | 55 | -4 | 0.81 | 0.46 | 0.34 | 3.05 | 133 | 6.89 | 116 | 96 | 81 | 0 | 0 | 5 | 0 |
| | BARROW | 50 | 38 | 67 | 34 | 44 | 4 | 0.27 | 0.07 | 0.12 | 2.49 | 271 | 3.33 | 188 | 99 | 90 | 0 | 0 | 4 | 0 |
| | FAIRBANKS | 69 | 51 | 72 | 47 | 60 | -2 | 0.81 | 0.43 | 0.79 | 2.48 | 93 | 5.22 | 108 | 86 | 63 | 0 | 0 | 2 | 1 |
| | JUNEAU | 59 | 50 | 62 | 47 | 55 | -1 | 1.87 | 1.03 | 0.53 | 7.94 | 132 | 27.73 | 117 | 99 | 92 | 0 | 0 | 6 | 1 |
| | KODIAK | 55 | 48 | 58 | 42 | 51 | -4 | 0.85 | 0.15 | 0.42 | 6.56 | 89 | 29.81 | 87 | 89 | 82 | 0 | 0 | 5 | 0 |
| | NOME | 58 | 45 | 63 | 41 | 52 | 0 | 0.18 | -0.27 | 0.13 | 2.04 | 79 | 6.48 | 111 | 88 | 72 | 0 | 0 | 2 | 0 |
| AZ | FLAGSTAFF | 88 | 49 | 90 | 43 | 69 | 2 | 0.00 | -0.60 | 0.00 | 1.28 | 56 | 6.63 | 59 | 44 | 11 | 3 | 0 | 0 | 0 |
| | PHOENIX | 109 | 85 | 113 | 81 | 97 | 3 | 0.00 | -0.18 | 0.00 | 0.57 | 83 | 3.56 | 109 | 30 | 16 | 6 | 0 | 0 | 0 |
| | TUCSON | 105 | 77 | 108 | 70 | 91 | 4 | 1.03 | 0.52 | 1.03 | 2.87 | 159 | 4.09 | 89 | 36 | 21 | 6 | 0 | 1 | 1 |
| | YUMA | 110 | 84 | 115 | 80 | 97 | 3 | 0.00 | -0.06 | 0.00 | 0.00 | 0 | 0.50 | 44 | 38 | 29 | 6 | 0 | 0 | 0 |
| AR | FORT SMITH | 92 | 73 | 101 | 70 | 82 | 0 | 0.82 | 0.25 | 0.35 | 9.70 | 176 | 21.66 | 93 | 95 | 54 | 3 | 0 | 3 | 0 |
| | LITTLE ROCK | 93 | 74 | 102 | 68 | 84 | 2 | 0.12 | -0.58 | 0.10 | 6.75 | 110 | 24.27 | 84 | 93 | 52 | 4 | 0 | 2 | 0 |
| CA | BAKERSFIELD | 94 | 65 | 99 | 61 | 79 | -6 | 0.00 | 0.00 | 0.00 | 0.06 | 60 | 4.57 | 119 | 62 | 39 | 5 | 0 | 0 | 0 |
| | FRESNO | 96 | 63 | 100 | 59 | 79 | -3 | 0.00 | 0.00 | 0.00 | 0.56 | 700 | 12.40 | 177 | 68 | 43 | 5 | 0 | 0 | 0 |
| | LOS ANGELES | 76 | 63 | 79 | 61 | 70 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 9.82 | 126 | 87 | 66 | 0 | 0 | 0 | 0 |
| | REDDING | 95 | 62 | 100 | 57 | 78 | -4 | 0.00 | -0.02 | 0.00 | 1.11 | 166 | 26.97 | 143 | 62 | 36 | 5 | 0 | 0 | 0 |
| | SACRAMENTO | 89 | 56 | 95 | 53 | 72 | -4 | 0.00 | 0.00 | 0.00 | 0.03 | 20 | 21.83 | 203 | 91 | 34 | 4 | 0 | 0 | 0 |
| | SAN DIEGO | 75 | 65 | 79 | 64 | 70 | -1 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 5.40 | 88 | 87 | 74 | 0 | 0 | 0 | 0 |
| | SAN FRANCISCO | 67 | 55 | 69 | 54 | 61 | -2 | 0.00 | 0.00 | 0.00 | 0.16 | 145 | 19.47 | 159 | 91 | 73 | 0 | 0 | 0 | 0 |
| | STOCKTON | 93 | 55 | 98 | 51 | 74 | -4 | 0.00 | 0.00 | 0.00 | 0.03 | 25 | 11.46 | 136 | 82 | 49 | 5 | 0 | 0 | 0 |
| CO | ALAMOSA | 86 | 47 | 89 | 43 | 66 | 0 | 0.10 | -0.14 | 0.10 | 0.86 | 58 | 2.25 | 62 | 76 | 29 | 0 | 0 | 1 | 0 |
| | CO SPRINGS | 80 | 57 | 90 | 55 | 68 | -3 | 1.08 | 0.50 | 0.74 | 3.49 | 82 | 8.26 | 89 | 93 | 39 | 1 | 0 | 5 | 1 |
| | DENVER | 87 | 59 | 91 | 57 | 73 | -1 | 0.37 | -0.01 | 0.37 | 3.09 | 97 | 9.07 | 94 | 89 | 27 | 3 | 0 | 1 | 0 |
| | GRAND JUNCTION | 97 | 61 | 100 | 58 | 79 | 0 | 0.00 | -0.14 | 0.00 | 0.54 | 57 | 4.60 | 102 | 32 | 21 | 6 | 0 | 0 | 0 |
| | PUEBLO | 89 | 61 | 97 | 59 | 75 | -3 | 1.04 | 0.61 | 1.02 | 3.98 | 147 | 9.36 | 150 | 93 | 55 | 2 | 0 | 2 | 1 |
| CT | BRIDGEPORT | 78 | 62 | 89 | 60 | 70 | -4 | 0.03 | -0.70 | 0.03 | 5.77 | 94 | 23.45 | 98 | 87 | 66 | 0 | 0 | 1 | 0 |
| | HARTFORD | 81 | 58 | 89 | 52 | 69 | -5 | 0.42 | -0.19 | 0.41 | 8.75 | 146 | 25.44 | 105 | 90 | 50 | 0 | 0 | 2 | 0 |
| DC | WASHINGTON | 83 | 66 | 89 | 63 | 74 | -6 | 0.59 | -0.16 | 0.56 | 8.15 | 135 | 25.41 | 121 | 90 | 51 | 0 | 0 | 2 | 1 |
| DE | WILMINGTON | 80 | 63 | 87 | 60 | 72 | -5 | 1.01 | 0.18 | 0.59 | 7.05 | 107 | 28.23 | 122 | 97 | 52 | 0 | 0 | 4 | 1 |
| FL | DAYTONA BEACH | 94 | 73 | 97 | 71 | 84 | 3 | 0.21 | -0.82 | 0.21 | 6.92 | 70 | 19.31 | 80 | 96 | 53 | 5 | 0 | 1 | 0 |
| | JACKSONVILLE | 99 | 72 | 103 | 70 | 85 | 3 | 1.85 | 0.75 | 1.82 | 5.18 | 54 | 14.66 | 55 | 95 | 44 | 6 | 0 | 2 | 1 |
| | KEY WEST | 91 | 80 | 92 | 79 | 86 | 1 | 0.00 | -0.67 | 0.00 | 5.33 | 70 | 11.46 | 62 | 84 | 65 | 6 | 0 | 0 | 0 |
| | MIAMI | 92 | 77 | 94 | 75 | 85 | 2 | 0.45 | -0.57 | 0.36 | 10.04 | 75 | 17.32 | 60 | 88 | 60 | 6 | 0 | 3 | 0 |
| | ORLANDO | 95 | 74 | 97 | 72 | 85 | 3 | 0.80 | -0.59 | 0.67 | 7.88 | 63 | 13.14 | 50 | 96 | 57 | 5 | 0 | 5 | 1 |
| | PENSACOLA | 99 | 77 | 103 | 73 | 88 | 6 | 0.07 | -1.39 | 0.07 | 4.05 | 35 | 14.53 | 41 | 83 | 45 | 6 | 0 | 1 | 0 |
| | TALLAHASSEE | 100 | 76 | 103 | 73 | 88 | 6 | 0.35 | -1.39 | 0.19 | 3.81 | 29 | 12.25 | 32 | 96 | 43 | 6 | 0 | 2 | 0 |
| | TAMPA | 90 | 78 | 92 | 76 | 84 | 1 | 0.11 | -1.19 | 0.08 | 10.64 | 106 | 13.76 | 61 | 88 | 69 | 4 | 0 | 3 | 0 |
| | WEST PALM | 92 | 75 | 94 | 73 | 84 | 2 | 2.81 | 1.68 | 1.59 | 9.09 | 72 | 17.34 | 56 | 91 | 63 | 6 | 0 | 5 | 2 |
| GA | ATHENS | 98 | 70 | 101 | 66 | 84 | 4 | 0.00 | -0.96 | 0.00 | 2.31 | 31 | 15.98 | 53 | 79 | 38 | 6 | 0 | 0 | 0 |
| | ATLANTA | 97 | 70 | 100 | 67 | 83 | 4 | 0.03 | -0.96 | 0.03 | 1.83 | 26 | 16.10 | 52 | 77 | 43 | 6 | 0 | 1 | 0 |
| | AUGUSTA | 98 | 69 | 101 | 63 | 83 | 2 | 0.18 | -0.65 | 0.18 | 6.38 | 90 | 18.44 | 68 | 83 | 37 | 6 | 0 | 1 | 0 |
| | COLUMBUS | 95 | 72 | 102 | 69 | 84 | 2 | 0.31 | -0.78 | 0.19 | 2.49 | 31 | 17.07 | 54 | 72 | 33 | 5 | 0 | 2 | 0 |
| | MACON | 99 | 67 | 104 | 62 | 83 | 2 | 0.05 | -0.80 | 0.03 | 4.11 | 62 | 15.86 | 57 | 91 | 31 | 6 | 0 | 2 | 0 |
| | SAVANNAH | 99 | 73 | 104 | 71 | 86 | 4 | 0.19 | -1.07 | 0.19 | 6.82 | 68 | 19.20 | 69 | 87 | 37 | 6 | 0 | 1 | 0 |
| HI | HILO | 81 | 70 | 83 | 67 | 75 | -1 | 3.46 | 1.48 | 1.70 | 19.65 | 152 | 53.46 | 74 | 95 | 85 | 0 | 0 | 5 | 2 |
| | HONOLULU | 87 | 75 | 89 | 74 | 81 | 0 | 0.09 | -0.03 | 0.05 | 0.35 | 38 | 2.57 | 22 | 80 | 72 | 0 | 0 | 2 | 0 |
| | KAHULUI | 88 | 68 | 91 | 65 | 78 | -1 | 0.00 | -0.07 | 0.00 | 0.43 | 83 | 2.98 | 23 | 83 | 69 | 1 | 0 | 0 | 0 |
| | LIHUE | 85 | 76 | 85 | 73 | 80 | 1 | 0.04 | -0.39 | 0.02 | 1.97 | 61 | 8.93 | 38 | 81 | 76 | 0 | 0 | 2 | 0 |
| ID | BOISE | 95 | 66 | 102 | 60 | 80 | 5 | 0.03 | -0.02 | 0.03 | 0.17 | 16 | 7.27 | 101 | 42 | 27 | 5 | 0 | 1 | 0 |
| | LEWISTON | 95 | 63 | 101 | 56 | 79 | 4 | 0.01 | -0.11 | 0.01 | 1.30 | 75 | 7.84 | 105 | 51 | 31 | 6 | 0 | 1 | 0 |
| | POCATELLO | 91 | 49 | 104 | 46 | 70 | -1 | 0.13 | 0.01 | 0.13 | 0.47 | 32 | 5.68 | 78 | 76 | 28 | 3 | 0 | 1 | 0 |
| IL | CHICAGO/O'HARE | 75 | 59 | 88 | 53 | 67 | -7 | 0.01 | -0.70 | 0.01 | 6.59 | 104 | 20.26 | 107 | 82 | 57 | 0 | 0 | 1 | 0 |
| | MOLINE | 79 | 60 | 85 | 54 | 69 | -7 | 0.19 | -0.78 | 0.17 | 10.31 | 132 | 24.79 | 114 | 89 | 57 | 0 | 0 | 2 | 0 |
| | PEORIA | 78 | 59 | 84 | 56 | 68 | -8 | 0.17 | -0.63 | 0.16 | 5.40 | 77 | 16.23 | 80 | 93 | 58 | 0 | 0 | 2 | 0 |
| | ROCKFORD | 77 | 58 | 83 | 53 | 67 | -7 | 0.00 | -0.78 | 0.00 | 8.29 | 111 | 23.08 | 118 | 90 | 57 | 0 | 0 | 0 | 0 |
| | SPRINGFIELD | 78 | 58 | 82 | 52 | 68 | -9 | 0.30 | -0.39 | 0.29 | 10.66 | 179 | 18.56 | 94 | 94 | 62 | 0 | 0 | 2 | 0 |
| IN | EVANSVILLE | 81 | 63 | 88 | 57 | 72 | -7 | 1.05 | 0.26 | 0.75 | 7.66 | 120 | 27.43 | 107 | 93 | 63 | 0 | 0 | 2 | 1 |
| | FORT WAYNE | 78 | 58 | 83 | 53 | 68 | -6 | 0.12 | -0.54 | 0.12 | 9.99 | 166 | 21.56 | 110 | 96 | 55 | 0 | 0 | 1 | 0 |
| | INDIANAPOLIS | 80 | 59 | 86 | 52 | 70 | -6 | 0.45 | -0.43 | 0.37 | 7.32 | 110 | 22.69 | 99 | 93 | 52 | 0 | 0 | 2 | 0 |
| | SOUTH BEND | 75 | 56 | 85 | 51 | 66 | -7 | 0.00 | -0.73 | 0.00 | 9.01 | 132 | 23.14 | 110 | 87 | 58 | 0 | 0 | 0 | 0 |
| IA | BURLINGTON | 77 | 59 | 83 | 52 | 68 | -8 | 0.21 | -0.62 | 0.21 | 9.93 | 140 | 19.90 | 101 | 93 | 54 | 0 | 0 | 1 | 0 |
| | CEDAR RAPIDS | 75 | 55 | 81 | 50 | 65 | -10 | 0.05 | -0.73 | 0.03 | 9.30 | 124 | 19.89 | 106 | 98 | 58 | 0 | 0 | 2 | 0 |
| | DES MOINES | 76 | 60 | 83 | 54 | 68 | -9 | 0.42 | -0.29 | 0.39 | 6.61 | 93 | 15.10 | 81 | 89 | 62 | 0 | 0 | 2 | 0 |
| | DUBUQUE | 75 | 57 | 82 | 55 | 66 | -7 | 0.03 | -0.75 | 0.02 | 10.82 | 156 | 23.50 | 115 | 84 | 55 | 0 | 0 | 2 | 0 |
| | SIOUX CITY | 74 | 57 | 82 | 48 | 65 | -11 | 0.03 | -0.59 | 0.03 | 7.37 | 122 | 15.09 | 99 | 91 | 67 | 0 | 0 | 1 | 0 |
| | WATERLOO | 76 | 54 | 81 | 49 | 65 | -8 | 0.00 | -0.93 | 0.00 | 10.69 | 134 | 26.00 | 133 | 87 | 54 | 0 | 0 | 0 | 0 |
| KS | CONCORDIA | 83 | 68 | 90 | 64 | 75 | -5 | 0.14 | -0.55 | 0.08 | 4.48 | 63 | 12.94 | 75 | 94 | 66 | 1 | 0 | 4 | 0 |
| | DODGE CITY | 87 | 62 | 95 | 58 | 74 | -7 | 2.86 | 2.23 | 1.15 | 6.26 | 115 | 15.77 | 120 | 96 | 52 | 1 | 0 | 5 | 3 |
| | GOODLAND | 82 | 57 | 92 | 53 | 69 | -7 | 3.07 | 2.53 | 1.38 | 5.27 | 99 | 10.31 | 85 | 96 | 70 | 1 | 0 | 6 | 2 |
| | TOPEKA | 82 | 68 | 89 | 63 | 75 | -4 | 0.47 | -0.18 | 0.32 | 9.12 | 112 | 17.08 | 85 | 92 | 69 | 0 | 0 | 4 | 0 |

Weather Data for the Week Ending July 22, 2000

| STATES AND STATIONS | TEMPERATURE EF | | | | | | 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 Jan 1 | PCT. NORMAL SINCE Jan 1 | TOTAL IN, SINCE Jan 1 | PCT. NORMAL SINCE Jan 1 | AVERAGE MAXIMUM | AVERAGE MINIMUM | TEMP. EF | | PRECIP | | |
| | | | | | | | | | | | | | | | | 90 AND ABOVE | 32 AND BELOW | .01 INCH OR MORE | .50 INCH OR MORE | |
| KY WICHITA | 87 | 68 | 95 | 64 | 78 | -4 | 2.42 | 1.85 | 1.39 | 9.50 | 144 | 23.34 | 138 | 87 | 61 | 2 | 0 | 4 | 2 | |
| KY JACKSON | 79 | 62 | 82 | 58 | 70 | -5 | 0.09 | -0.92 | 0.09 | 11.45 | 144 | 28.85 | 100 | 97 | 61 | 0 | 0 | 1 | 0 | |
| KY LEXINGTON | 80 | 61 | 85 | 59 | 71 | -5 | 0.40 | -0.59 | 0.39 | 5.33 | 74 | 25.00 | 96 | 91 | 62 | 0 | 0 | 2 | 0 | |
| KY LOUISVILLE | 82 | 67 | 87 | 61 | 74 | -4 | 0.65 | -0.25 | 0.65 | 9.70 | 145 | 31.69 | 120 | 85 | 54 | 0 | 0 | 1 | 1 | |
| LA PADUCAH | 83 | 63 | 89 | 56 | 73 | -6 | 0.11 | -0.70 | 0.08 | 3.62 | 51 | 29.23 | 100 | 98 | 55 | 0 | 0 | 2 | 0 | |
| LA BATON ROUGE | 96 | 77 | 99 | 74 | 86 | 4 | 0.02 | -1.34 | 0.01 | 7.20 | 78 | 16.69 | 48 | 93 | 44 | 6 | 0 | 2 | 0 | |
| LA LAKE CHARLES | 96 | 76 | 99 | 74 | 86 | 4 | 0.00 | -1.02 | 0.00 | 6.21 | 72 | 27.90 | 96 | 95 | 52 | 6 | 0 | 0 | 0 | |
| LA NEW ORLEANS | 96 | 79 | 98 | 75 | 88 | 6 | 0.13 | -1.05 | 0.13 | 5.73 | 56 | 13.40 | 38 | 88 | 55 | 6 | 0 | 1 | 0 | |
| LA SHREVEPORT | 97 | 76 | 101 | 74 | 87 | 4 | 0.00 | -0.69 | 0.00 | 7.90 | 113 | 37.14 | 136 | 86 | 42 | 6 | 0 | 0 | 0 | |
| ME CARIBOU | 70 | 51 | 75 | 44 | 60 | -6 | 2.22 | 1.42 | 1.11 | 7.24 | 127 | 24.02 | 133 | 98 | 64 | 0 | 0 | 5 | 2 | |
| ME PORTLAND | 74 | 55 | 77 | 51 | 65 | -4 | 0.48 | -0.11 | 0.36 | 4.98 | 88 | 23.45 | 98 | 90 | 62 | 0 | 0 | 4 | 0 | |
| MD BALTIMORE | 82 | 62 | 89 | 61 | 72 | -5 | 0.80 | 0.09 | 0.68 | 8.20 | 131 | 26.07 | 115 | 93 | 53 | 0 | 0 | 2 | 1 | |
| MA BOSTON | 75 | 61 | 83 | 58 | 68 | -6 | 0.77 | 0.23 | 0.60 | 9.50 | 187 | 26.33 | 115 | 89 | 61 | 0 | 0 | 3 | 1 | |
| MA WORCESTER | 74 | 56 | 81 | 54 | 65 | -5 | 0.22 | -0.54 | 0.11 | 7.27 | 109 | 27.17 | 105 | 97 | 56 | 0 | 0 | 4 | 0 | |
| MI ALPENA | 71 | 47 | 83 | 42 | 59 | -9 | 0.16 | -0.41 | 0.15 | 2.91 | 57 | 14.37 | 95 | 92 | 48 | 0 | 0 | 2 | 0 | |
| MI GRAND RAPIDS | 74 | 54 | 83 | 46 | 64 | -8 | 0.00 | -0.61 | 0.00 | 6.98 | 117 | 24.70 | 135 | 83 | 47 | 0 | 0 | 0 | 0 | |
| MI HOUGHTON LAKE | 72 | 45 | 84 | 35 | 58 | -10 | 0.22 | -0.28 | 0.17 | 2.76 | 57 | 13.48 | 94 | 87 | 50 | 0 | 0 | 3 | 0 | |
| MI LANSING | 74 | 50 | 85 | 44 | 62 | -9 | 0.00 | -0.46 | 0.00 | 3.92 | 71 | 17.48 | 109 | 92 | 65 | 0 | 0 | 0 | 0 | |
| MI MUSKOGON | 72 | 51 | 81 | 45 | 62 | -9 | 0.02 | -0.39 | 0.02 | 4.77 | 126 | 20.40 | 131 | 86 | 53 | 0 | 0 | 1 | 0 | |
| MI TRAVERSE CITY | 70 | 49 | 83 | 41 | 60 | -10 | 0.05 | -0.42 | 0.03 | 3.41 | 68 | 11.80 | 80 | 89 | 42 | 0 | 0 | 2 | 0 | |
| MN DULUTH | 68 | 48 | 72 | 46 | 58 | -9 | 0.01 | -0.68 | 0.01 | 7.59 | 119 | 16.61 | 107 | 92 | 58 | 0 | 0 | 1 | 0 | |
| MN INT'L FALLS | 70 | 46 | 77 | 44 | 58 | -9 | 0.36 | -0.32 | 0.36 | 6.78 | 104 | 12.55 | 95 | 89 | 49 | 0 | 0 | 1 | 0 | |
| MN MINNEAPOLIS | 72 | 56 | 77 | 52 | 64 | -10 | 0.23 | -0.43 | 0.23 | 9.62 | 147 | 18.37 | 114 | *** | *** | 0 | 0 | 1 | 0 | |
| MN ROCHESTER | 69 | 52 | 75 | 49 | 61 | -10 | 0.04 | -0.79 | 0.04 | 17.86 | 266 | 29.79 | 184 | 92 | 62 | 0 | 0 | 1 | 0 | |
| MN ST. CLOUD | 70 | 50 | 77 | 47 | 60 | -11 | 0.38 | -0.19 | 0.34 | 5.45 | 80 | 12.77 | 85 | 92 | 51 | 0 | 0 | 2 | 0 | |
| MS JACKSON | 99 | 73 | 102 | 71 | 86 | 4 | 0.24 | -0.66 | 0.10 | 6.70 | 105 | 24.77 | 76 | 86 | 42 | 6 | 0 | 4 | 0 | |
| MS MERIDIAN | 100 | 71 | 104 | 70 | 86 | 5 | 0.27 | -0.75 | 0.27 | 5.70 | 78 | 21.91 | 63 | 91 | 43 | 6 | 0 | 1 | 0 | |
| MS TUPELO | 94 | 71 | 102 | 67 | 83 | 2 | 0.00 | -0.84 | 0.00 | 3.80 | 55 | 25.31 | 75 | 85 | 52 | 4 | 0 | 0 | 0 | |
| MO COLUMBIA | 79 | 64 | 86 | 57 | 72 | -6 | 1.74 | 1.05 | 1.20 | 8.84 | 127 | 21.78 | 98 | 95 | 67 | 0 | 0 | 4 | 1 | |
| MO KANSAS CITY | 80 | 66 | 85 | 63 | 73 | -6 | 2.23 | 1.40 | 1.86 | 11.65 | 148 | 22.45 | 108 | 93 | 66 | 0 | 0 | 3 | 1 | |
| MO SAINT LOUIS | 79 | 65 | 88 | 60 | 72 | -8 | 0.74 | 0.00 | 0.52 | 9.16 | 140 | 23.06 | 107 | 97 | 75 | 0 | 0 | 2 | 1 | |
| MO SPRINGFIELD | 81 | 68 | 87 | 61 | 74 | -5 | 3.11 | 2.60 | 1.61 | 13.57 | 188 | 23.86 | 101 | 93 | 81 | 0 | 0 | 5 | 2 | |
| MT BILLINGS | 84 | 58 | 95 | 55 | 71 | -2 | 0.19 | 0.03 | 0.12 | 1.73 | 64 | 8.59 | 89 | 74 | 27 | 1 | 0 | 3 | 0 | |
| MT BUTTE | 84 | 48 | 94 | 43 | 66 | 2 | 0.02 | -0.20 | 0.02 | 1.12 | 36 | 5.06 | 67 | 80 | 22 | 1 | 0 | 1 | 0 | |
| MT GLASGOW | 79 | 57 | 92 | 53 | 68 | -3 | 0.25 | -0.07 | 0.25 | 6.41 | 190 | 10.80 | 157 | 89 | 62 | 1 | 0 | 1 | 0 | |
| MT GREAT FALLS | 89 | 55 | 98 | 52 | 72 | 3 | 0.07 | -0.14 | 0.07 | 2.30 | 70 | 6.48 | 66 | 70 | 18 | 2 | 0 | 1 | 0 | |
| MT KALISPELL | 89 | 46 | 98 | 44 | 67 | 3 | 0.00 | -0.19 | 0.00 | 2.04 | 68 | 6.62 | 69 | 89 | 32 | 2 | 0 | 0 | 0 | |
| MT MILES CITY | 85 | 59 | 93 | 58 | 72 | -4 | 0.95 | 0.68 | 0.60 | 4.09 | 104 | 9.69 | 105 | 89 | 29 | 1 | 0 | 3 | 1 | |
| MT MISSOULA | 90 | 51 | 99 | 49 | 70 | 2 | 0.00 | -0.17 | 0.00 | 1.35 | 55 | 6.31 | 77 | 71 | 29 | 2 | 0 | 0 | 0 | |
| NE GRAND ISLAND | 78 | 61 | 80 | 59 | 69 | -8 | 1.47 | 0.95 | 0.71 | 3.99 | 67 | 10.70 | 70 | 94 | 71 | 0 | 0 | 4 | 2 | |
| NE LINCOLN | 78 | 63 | 84 | 58 | 70 | -9 | 1.54 | 0.93 | 0.79 | 9.09 | 147 | 15.30 | 95 | 91 | 62 | 0 | 0 | 3 | 2 | |
| NE NORFOLK | 76 | 59 | 82 | 50 | 68 | -8 | 0.07 | -0.51 | 0.05 | 9.38 | 137 | 15.55 | 97 | 92 | 64 | 0 | 0 | 3 | 0 | |
| NE NORTH PLATTE | 84 | 58 | 93 | 53 | 71 | -4 | 0.45 | -0.12 | 0.33 | 3.61 | 64 | 8.46 | 65 | 96 | 50 | 1 | 0 | 2 | 0 | |
| NE OMAHA | 76 | 60 | 82 | 53 | 68 | -9 | 0.56 | -0.11 | 0.55 | 9.62 | 151 | 18.09 | 106 | 94 | 67 | 0 | 0 | 2 | 1 | |
| NE SCOTTSBLUFF | 86 | 56 | 92 | 51 | 71 | -4 | 0.00 | -0.37 | 0.00 | 2.12 | 51 | 8.65 | 82 | 91 | 49 | 2 | 0 | 0 | 0 | |
| NE VALENTINE | 80 | 53 | 83 | 48 | 67 | -8 | 0.19 | -0.40 | 0.15 | 6.43 | 126 | 14.84 | 127 | 95 | 62 | 0 | 0 | 4 | 0 | |
| NV ELY | 91 | 48 | 95 | 43 | 70 | 2 | 0.00 | -0.14 | 0.00 | 0.32 | 23 | 5.95 | 102 | 28 | 13 | 4 | 0 | 0 | 0 | |
| NV LAS VEGAS | 108 | 80 | 111 | 79 | 94 | 2 | 0.00 | -0.07 | 0.00 | 0.00 | 0 | 1.81 | 82 | 17 | 13 | 6 | 0 | 0 | 0 | |
| NV RENO | 92 | 56 | 96 | 53 | 74 | 2 | 0.00 | -0.05 | 0.00 | 0.23 | 35 | 4.30 | 96 | 43 | 19 | 4 | 0 | 0 | 0 | |
| NV WINNEMUCCA | 95 | 48 | 102 | 41 | 72 | -1 | 0.05 | 0.00 | 0.05 | 0.06 | 6 | 6.27 | 128 | 49 | 22 | 6 | 0 | 1 | 0 | |
| NH CONCORD | 78 | 53 | 85 | 46 | 65 | -5 | 0.13 | -0.51 | 0.08 | 5.29 | 97 | 22.35 | 116 | 94 | 47 | 0 | 0 | 4 | 0 | |
| NJ NEWARK | 82 | 64 | 91 | 60 | 73 | -5 | 0.58 | -0.32 | 0.26 | 5.81 | 91 | 23.40 | 95 | 84 | 56 | 1 | 0 | 3 | 0 | |
| NM ALBUQUERQUE | 94 | 67 | 96 | 64 | 80 | 1 | 0.44 | 0.15 | 0.42 | 1.49 | 99 | 3.44 | 87 | 56 | 20 | 6 | 0 | 2 | 0 | |
| NY ALBANY | 76 | 56 | 81 | 51 | 66 | -6 | 0.13 | -0.48 | 0.10 | 10.63 | 181 | 29.88 | 151 | 96 | 53 | 0 | 0 | 3 | 0 | |
| NY BINGHAMTON | 71 | 53 | 74 | 49 | 62 | -8 | 0.11 | -0.56 | 0.07 | 6.63 | 109 | 29.70 | 147 | 94 | 63 | 0 | 0 | 3 | 0 | |
| NY BUFFALO | 72 | 56 | 76 | 51 | 64 | -8 | 0.78 | 0.19 | 0.78 | 8.68 | 153 | 23.93 | 123 | 91 | 57 | 0 | 0 | 1 | 1 | |
| NY ROCHESTER | 72 | 55 | 78 | 48 | 64 | -7 | 0.11 | -0.41 | 0.09 | 7.98 | 163 | 22.28 | 133 | 93 | 62 | 0 | 0 | 2 | 0 | |
| NY SYRACUSE | 73 | 54 | 80 | 48 | 64 | -7 | 0.47 | -0.26 | 0.46 | 6.92 | 106 | 23.32 | 114 | 94 | 59 | 0 | 0 | 2 | 0 | |
| NC ASHEVILLE | 85 | 62 | 89 | 56 | 73 | 0 | 0.21 | -0.68 | 0.13 | 3.56 | 48 | 19.19 | 71 | 89 | 59 | 0 | 0 | 2 | 0 | |
| NC CHARLOTTE | 88 | 67 | 91 | 64 | 78 | -2 | 0.24 | -0.54 | 0.24 | 4.71 | 76 | 21.61 | 88 | 91 | 51 | 2 | 0 | 1 | 0 | |
| NC GREENSBORO | 84 | 67 | 89 | 63 | 75 | -2 | 0.07 | -0.82 | 0.06 | 5.16 | 73 | 20.53 | 85 | 88 | 55 | 0 | 0 | 2 | 0 | |
| NC HATTERAS | 85 | 72 | 87 | 65 | 78 | -1 | 1.49 | 0.49 | 1.09 | 8.23 | 109 | 28.02 | 97 | 93 | 66 | 0 | 0 | 2 | 1 | |
| NC RALEIGH | 87 | 65 | 95 | 63 | 76 | -2 | 0.26 | -0.52 | 0.25 | 3.96 | 61 | 19.87 | 83 | 94 | 61 | 2 | 0 | 2 | 0 | |
| NC WILMINGTON | 89 | 70 | 92 | 69 | 80 | 0 | 0.96 | -0.65 | 0.78 | 8.52 | 73 | 25.45 | 83 | 98 | 59 | 4 | 0 | 2 | 1 | |
| ND BISMARCK | 72 | 52 | 80 | 47 | 62 | -9 | 2.04 | 1.65 | 1.65 | 9.15 | 214 | 16.79 | 172 | 96 | 73 | 0 | 0 | 4 | 1 | |
| ND DICKINSON | 73 | 52 | 82 | 48 | 62 | -9 | 1.20 | 0.83 | 0.92 | 6.09 | 127 | 11.46 | 107 | 99 | 53 | 0 | 0 | 3 | 1 | |
| ND FARGO | 72 | 49 | 80 | 45 | 60 | -12 | 0.18 | -0.34 | 0.10 | 14.74 | 310 | 21.85 | 195 | 90 | 48 | 0 | 0 | 2 | 0 | |
| ND GRAND FORKS | 72 | 49 | 79 | 46 | 60 | -10 | 0.09 | -0.43 | 0.09 | 8.10 | 169 | 12.36 | 119 | 93 | 46 | 0 | 0 | 1 | 0 | |
| ND JAMESTOWN | 70 | 49 | 79 | 46 | 59 | -13 | 0.13 | -0.39 | 0.10 | 6.06 | 121 | 13.29 | 128 | 98 | 53 | 0 | 0 | 2 | 0 | |
| ND WILLISTON | 76 | 52 | 88 | 47 | 64 | -7 | 0.64 | 0.25 | 0.47 | 6.55 | 171 | 12.18 | 139 | 91 | 69 | 0 | 0 | 3 | 0 | |
| OH AKRON-CANTON | 74 | 56 | 81 | 53 | 65 | -7 | 2.28 | -0.52 | 0.24 | 10.39 | 171 | 29.05 | 140 | 90 | 69 | 0 | 0 | 3 | 0 | |
| OH CINCINNATI | 80 | 60 | 84 | 56 | 70 | -5 | 1.06 | 0.23 | 1.05 | 7.65 | 111 | 30.63 | 125 | 92 | 59 | 0 | 0 | 2 | 1 | |
| OH CLEVELAND | 74 | 58 | 82 | 53 | 66 | -6 | 0.04 | -0.64 | 0.03 | 7.75 | 125 | 23.17 | 116 | 92 | 59 | 0 | 0 | 2 | 0 | |
| OH COLUMBUS | 79 | 60 | 85 | 55 | 69 | -5 | 0.93 | 0.10 | 0.77 | 6.13 | 86 | 24.67 | 112 | 87 | 58 | 0 | 0 | 2 | 1 | |
| OH DAYTON | 80 | 60 | 85 | 54 | 70 | -5 | 0.49 | -0.19 | 0.49 | 5.25 | 83 | 19.98 | 93 | 89 | 50 | 0 | 0 | 1 | 0 | |
| OH MANSFIELD | 75 | 57 | 82 | 54 | 66 | -7 | 0.77 | -0.01 | 0.66 | 7.32 | 108 | 24.59 | 111 | 95 | 57 | 0 | 0 | 2 | 1 | |

Based on

Weather Data for the Week Ending July 22, 2000

| STATES AND STATIONS | TEMPERATURE EF | | | | | | 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 Jan 1 | PCT. NORMAL SINCE Jan 1 | AVERAGE MAXIMUM | AVERAGE MINIMUM | TEMP. EF | | PRECIP | |
| | | | | | | | | | | | | | | | | 90 AND ABOVE | 32 AND BELOW | .01 INCH OR MORE | .50 INCH OR MORE |
| OK TOLEDO | 78 | 59 | 86 | 56 | 68 | -5 | 0.02 | -0.59 | 0.01 | 7.11 | 117 | 22.08 | 122 | 89 | 59 | 0 | 0 | 2 | 0 |
| OK YOUNGSTOWN | 74 | 54 | 82 | 49 | 64 | -7 | 0.48 | -0.30 | 0.43 | 8.35 | 122 | 22.96 | 111 | 93 | 67 | 0 | 0 | 2 | 0 |
| OK OKLAHOMA CITY | 94 | 70 | 99 | 63 | 82 | 0 | 1.12 | 0.66 | 1.10 | 10.99 | 177 | 22.85 | 117 | 76 | 44 | 5 | 0 | 2 | 1 |
| OR TULSA | 89 | 72 | 98 | 67 | 81 | -3 | 4.12 | 3.55 | 2.85 | 10.37 | 155 | 26.03 | 113 | 88 | 63 | 3 | 0 | 4 | 2 |
| OR ASTORIA | 68 | 58 | 71 | 57 | 63 | 3 | 0.04 | -0.15 | 0.03 | 4.42 | 136 | 34.62 | 97 | 96 | 81 | 0 | 0 | 2 | 0 |
| OR BURNS | 88 | 51 | 96 | 49 | 70 | 3 | 0.83 | 0.76 | 0.83 | 1.15 | 104 | 6.66 | 121 | 72 | 35 | 2 | 0 | 1 | 1 |
| OR EUGENE | 81 | 52 | 88 | 45 | 67 | -1 | 0.00 | -0.08 | 0.00 | 1.12 | 62 | 28.09 | 107 | 89 | 64 | 0 | 0 | 0 | 0 |
| OR MEDFORD | 91 | 60 | 95 | 54 | 76 | 2 | 0.00 | -0.05 | 0.00 | 1.01 | 133 | 14.63 | 156 | 70 | 32 | 4 | 0 | 0 | 0 |
| OR PENDLETON | 93 | 61 | 105 | 55 | 77 | 3 | 0.00 | -0.07 | 0.00 | 0.79 | 88 | 10.40 | 154 | 52 | 28 | 5 | 0 | 0 | 0 |
| OR PORTLAND | 80 | 59 | 87 | 55 | 70 | 1 | 0.06 | -0.04 | 0.04 | 1.36 | 70 | 19.26 | 101 | 84 | 68 | 0 | 0 | 2 | 0 |
| PA SALEM | 81 | 55 | 87 | 47 | 68 | 1 | 0.00 | -0.09 | 0.00 | 0.81 | 46 | 20.62 | 100 | 89 | 57 | 0 | 0 | 0 | 0 |
| PA ALLENTOWN | 79 | 58 | 87 | 53 | 69 | -6 | 0.42 | -0.39 | 0.24 | 8.24 | 124 | 27.02 | 114 | 96 | 63 | 0 | 0 | 2 | 0 |
| PA ERIE | 72 | 58 | 80 | 53 | 65 | -7 | 0.58 | -0.07 | 0.34 | 9.20 | 141 | 25.05 | 121 | 83 | 68 | 0 | 0 | 2 | 0 |
| PA MIDDLETOWN | 81 | 64 | 90 | 61 | 72 | -4 | 0.65 | -0.04 | 0.49 | 5.75 | 90 | 22.81 | 99 | 96 | 49 | 1 | 0 | 2 | 0 |
| PA PHILADELPHIA | 81 | 64 | 87 | 61 | 73 | -4 | 0.49 | -0.35 | 0.48 | 6.73 | 99 | 24.45 | 104 | 92 | 52 | 0 | 0 | 2 | 0 |
| PA PITTSBURGH | 75 | 58 | 81 | 54 | 66 | -7 | 0.11 | -0.61 | 0.05 | 8.86 | 139 | 24.19 | 113 | 91 | 56 | 0 | 0 | 3 | 0 |
| PA WILKES-BARRE | 75 | 54 | 84 | 51 | 65 | -7 | 0.21 | -0.51 | 0.16 | 7.96 | 119 | 21.05 | 105 | 97 | 51 | 0 | 0 | 3 | 0 |
| PA WILLIAMSPORT | 78 | 57 | 85 | 52 | 67 | -6 | 0.13 | -0.63 | 0.08 | 6.51 | 90 | 24.23 | 106 | 94 | 55 | 0 | 0 | 3 | 0 |
| RI PROVIDENCE | 78 | 60 | 85 | 55 | 69 | -4 | 0.47 | -0.14 | 0.41 | 5.48 | 98 | 26.56 | 106 | 87 | 57 | 0 | 0 | 4 | 0 |
| SC BEAUFORT | 98 | 76 | 102 | 73 | 87 | 5 | 0.00 | -1.26 | 0.00 | 3.62 | 34 | 13.89 | 49 | 94 | 39 | 6 | 0 | 0 | 0 |
| SC CHARLESTON | 95 | 75 | 98 | 70 | 85 | 3 | 1.35 | 0.02 | 1.35 | 11.29 | 100 | 23.35 | 80 | 95 | 49 | 6 | 0 | 1 | 1 |
| SC COLUMBIA | 97 | 73 | 99 | 66 | 85 | 4 | 0.00 | -1.09 | 0.00 | 3.43 | 40 | 19.75 | 68 | 78 | 40 | 6 | 0 | 0 | 0 |
| SC GREENVILLE | 94 | 71 | 97 | 67 | 82 | 4 | 0.00 | -0.89 | 0.00 | 1.45 | 18 | 18.28 | 60 | 75 | 46 | 6 | 0 | 0 | 0 |
| SD ABERDEEN | 69 | 52 | 77 | 47 | 60 | -13 | 0.86 | 0.34 | 0.58 | 9.35 | 181 | 16.92 | 145 | 94 | 76 | 0 | 0 | 2 | 1 |
| SD HURON | 74 | 53 | 82 | 48 | 63 | -12 | 0.43 | -0.06 | 0.43 | 5.79 | 109 | 13.96 | 107 | 97 | 55 | 0 | 0 | 1 | 0 |
| SD RAPID CITY | 77 | 54 | 85 | 50 | 65 | -8 | 0.46 | 0.09 | 0.29 | 3.89 | 85 | 14.03 | 127 | 97 | 56 | 0 | 0 | 4 | 0 |
| SD SIOUX FALLS | 71 | 52 | 76 | 46 | 61 | -14 | 0.37 | -0.13 | 0.37 | 6.56 | 123 | 17.02 | 125 | 92 | 62 | 0 | 0 | 1 | 0 |
| TN BRISTOL | 82 | 62 | 85 | 58 | 72 | -3 | 0.33 | -0.52 | 0.33 | 6.10 | 92 | 22.17 | 92 | 95 | 51 | 0 | 0 | 1 | 0 |
| TN CHATTANOOGA | 94 | 69 | 99 | 62 | 81 | 2 | 0.12 | -0.84 | 0.12 | 5.61 | 80 | 27.66 | 88 | 84 | 44 | 6 | 0 | 1 | 0 |
| TN KNOXVILLE | 86 | 68 | 92 | 63 | 77 | 0 | 0.24 | -0.67 | 0.24 | 5.89 | 80 | 31.43 | 110 | 87 | 51 | 1 | 0 | 1 | 0 |
| TN MEMPHIS | 92 | 75 | 99 | 69 | 83 | 0 | 0.37 | -0.36 | 0.33 | 4.16 | 67 | 23.32 | 77 | 84 | 49 | 4 | 0 | 2 | 0 |
| TX NASHVILLE | 89 | 69 | 93 | 63 | 79 | -1 | 0.31 | -0.47 | 0.17 | 2.12 | 33 | 26.62 | 95 | 81 | 43 | 3 | 0 | 3 | 0 |
| TX ABILENE | 99 | 77 | 101 | 74 | 88 | 4 | 0.00 | -0.39 | 0.00 | 5.49 | 127 | 10.22 | 80 | 48 | 28 | 6 | 0 | 0 | 0 |
| TX AMARILLO | 97 | 66 | 100 | 62 | 81 | 2 | 0.00 | -0.48 | 0.00 | 5.58 | 101 | 11.57 | 104 | 77 | 26 | 6 | 0 | 0 | 0 |
| TX AUSTIN | 101 | 69 | 103 | 66 | 85 | 0 | 0.00 | -0.36 | 0.00 | 3.66 | 70 | 15.97 | 87 | 80 | 32 | 6 | 0 | 0 | 0 |
| TX BEAUMONT | 97 | 74 | 100 | 73 | 86 | 3 | 0.01 | -1.03 | 0.01 | 3.49 | 37 | 26.52 | 88 | 98 | 47 | 6 | 0 | 1 | 0 |
| TX BROWNSVILLE | 97 | 75 | 98 | 73 | 86 | 1 | 0.00 | -0.35 | 0.00 | 0.85 | 21 | 6.75 | 58 | 93 | 41 | 6 | 0 | 0 | 0 |
| TX CORPUS CHRISTI | 97 | 72 | 99 | 69 | 85 | 1 | 0.00 | -0.45 | 0.00 | 2.61 | 51 | 13.23 | 90 | 98 | 47 | 6 | 0 | 0 | 0 |
| TX DEL RIO | 103 | 77 | 104 | 76 | 90 | 5 | 0.00 | -0.35 | 0.00 | 4.38 | 126 | 7.58 | 78 | 60 | 34 | 6 | 0 | 0 | 0 |
| TX EL PASO | 99 | 74 | 101 | 72 | 86 | 4 | 0.00 | -0.32 | 0.00 | 4.03 | 232 | 4.40 | 134 | 46 | 22 | 6 | 0 | 0 | 0 |
| TX FORT WORTH | 102 | 78 | 105 | 76 | 90 | 4 | 0.00 | -0.43 | 0.00 | 5.93 | 128 | 18.56 | 94 | 65 | 28 | 6 | 0 | 0 | 0 |
| TX GALVESTON | 91 | 80 | 92 | 79 | 86 | 2 | 0.00 | -0.76 | 0.00 | 1.14 | 16 | 13.37 | 64 | 87 | 61 | 6 | 0 | 0 | 0 |
| TX HOUSTON | 101 | 76 | 102 | 73 | 88 | 5 | 0.00 | -0.66 | 0.00 | 3.35 | 44 | 26.14 | 104 | 94 | 44 | 6 | 0 | 0 | 0 |
| TX LUBBOCK | 95 | 67 | 98 | 64 | 81 | 1 | 0.00 | -0.45 | 0.00 | 10.01 | 225 | 15.29 | 157 | 67 | 37 | 6 | 0 | 0 | 0 |
| TX MIDLAND | 99 | 72 | 102 | 68 | 85 | 3 | 0.00 | -0.33 | 0.00 | 3.19 | 116 | 5.80 | 81 | 43 | 24 | 6 | 0 | 0 | 0 |
| TX SAN ANGELO | 102 | 77 | 103 | 73 | 89 | 6 | 0.00 | -0.19 | 0.00 | 3.44 | 111 | 7.30 | 69 | 57 | 27 | 6 | 0 | 0 | 0 |
| TX SAN ANTONIO | 100 | 74 | 101 | 73 | 87 | 2 | 0.00 | -0.38 | 0.00 | 7.61 | 141 | 16.93 | 99 | 89 | 27 | 6 | 0 | 0 | 0 |
| TX VICTORIA | 100 | 74 | 102 | 73 | 87 | 3 | 0.00 | -0.60 | 0.00 | 4.56 | 62 | 21.98 | 110 | 96 | 41 | 6 | 0 | 0 | 0 |
| TX WACO | 101 | 75 | 104 | 74 | 88 | 2 | 0.00 | -0.35 | 0.00 | 4.95 | 104 | 20.91 | 112 | 72 | 36 | 6 | 0 | 0 | 0 |
| TX WICHITA FALLS | 105 | 77 | 108 | 70 | 91 | 6 | 0.01 | -0.28 | 0.01 | 4.14 | 87 | 12.72 | 77 | 56 | 29 | 6 | 0 | 1 | 0 |
| UT SALT LAKE CITY | 95 | 65 | 103 | 61 | 80 | 1 | 0.00 | -0.17 | 0.00 | 0.49 | 32 | 7.68 | 79 | 52 | 21 | 6 | 0 | 0 | 0 |
| VT BURLINGTON | 74 | 55 | 80 | 48 | 64 | -7 | 1.76 | 1.05 | 1.23 | 6.68 | 111 | 23.73 | 135 | 89 | 54 | 0 | 0 | 4 | 1 |
| VA LYNCHBURG | 81 | 60 | 88 | 57 | 71 | -5 | 1.64 | 0.81 | 1.59 | 6.07 | 95 | 18.89 | 83 | 98 | 63 | 0 | 0 | 4 | 1 |
| VA NORFOLK | 85 | 69 | 93 | 67 | 77 | -1 | 1.22 | 0.21 | 1.14 | 11.14 | 151 | 27.50 | 109 | 91 | 61 | 2 | 0 | 3 | 1 |
| VA RICHMOND | 83 | 64 | 90 | 63 | 74 | -4 | 1.54 | 0.53 | 1.49 | 9.00 | 125 | 26.07 | 109 | 93 | 66 | 1 | 0 | 3 | 1 |
| VA ROANOKE | 84 | 63 | 90 | 59 | 73 | -3 | 1.30 | 0.52 | 0.95 | 4.81 | 81 | 19.81 | 89 | 84 | 52 | 1 | 0 | 2 | 1 |
| WA WASH/DULLES | 82 | 60 | 89 | 55 | 71 | -5 | 0.91 | 0.24 | 0.58 | 5.41 | 85 | 19.38 | 87 | 92 | 53 | 0 | 0 | 3 | 1 |
| WA OLYMPIA | 77 | 53 | 84 | 48 | 65 | 2 | 0.00 | -0.14 | 0.00 | 2.51 | 114 | 27.28 | 104 | 93 | 70 | 0 | 0 | 0 | 0 |
| WA QUILLAYUTE | 69 | 55 | 76 | 51 | 62 | 3 | 0.40 | -0.09 | 0.36 | 6.42 | 129 | 56.85 | 101 | 97 | 87 | 0 | 0 | 3 | 0 |
| WA SEATTLE-TACOMA | 76 | 56 | 83 | 53 | 66 | 0 | 0.11 | -0.03 | 0.11 | 1.79 | 87 | 18.39 | 97 | 93 | 73 | 0 | 0 | 1 | 0 |
| WA SPOKANE | 90 | 58 | 94 | 50 | 74 | 4 | 0.00 | -0.12 | 0.00 | 1.26 | 72 | 10.76 | 116 | 59 | 21 | 2 | 0 | 0 | 0 |
| WA YAKIMA | 93 | 56 | 96 | 46 | 75 | 5 | 0.00 | -0.02 | 0.00 | 0.18 | 28 | 4.73 | 112 | 68 | 35 | 6 | 0 | 0 | 0 |
| WV BECKLEY | 75 | 57 | 78 | 53 | 66 | -4 | 0.56 | -0.36 | 0.52 | 9.09 | 126 | 24.23 | 101 | 97 | 66 | 0 | 0 | 4 | 1 |
| WV CHARLESTON | 79 | 60 | 83 | 58 | 69 | -6 | 1.43 | 0.44 | 1.40 | 8.67 | 122 | 26.42 | 110 | 99 | 62 | 0 | 0 | 3 | 1 |
| WV ELKINS | 75 | 55 | 81 | 52 | 65 | -4 | 1.50 | 0.63 | 1.43 | 8.38 | 109 | 25.88 | 101 | 10 | 59 | 0 | 0 | 4 | 1 |
| WV HUNTINGTON | 78 | 60 | 83 | 56 | 69 | -6 | 1.42 | 0.50 | 1.39 | 7.53 | 111 | 25.21 | 106 | 99 | 66 | 0 | 0 | 4 | 1 |
| WI EAU CLAIRE | 72 | 53 | 77 | 48 | 62 | -10 | 0.20 | -0.56 | 0.17 | 13.03 | 187 | 22.87 | 134 | 91 | 44 | 0 | 0 | 2 | 0 |
| WI GREEN BAY | 69 | 51 | 80 | 46 | 60 | -10 | 0.07 | -0.52 | 0.07 | 10.57 | 190 | 20.02 | 133 | 91 | 56 | 0 | 0 | 1 | 0 |
| WI LA CROSSE | 75 | 55 | 82 | 52 | 65 | -9 | 0.00 | -0.73 | 0.00 | 10.14 | 154 | 21.11 | 128 | 91 | 45 | 0 | 0 | 0 | 0 |
| WI MADISON | 73 | 54 | 81 | 51 | 64 | -7 | 0.08 | -0.58 | 0.08 | 11.64 | 193 | 28.42 | 174 | 88 | 58 | 0 | 0 | 1 | 0 |
| WI MILWAUKEE | 71 | 57 | 84 | 54 | 64 | -8 | 0.03 | -0.66 | 0.03 | 5.39 | 95 | 21.95 | 124 | 81 | 62 | 0 | 0 | 1 | 0 |
| WY CASPER | 89 | 50 | 91 | 47 | 69 | -3 | 0.18 | -0.06 | 0.11 | 1.05 | 44 | 7.15 | 87 | 85 | 29 | 2 | 0 | 3 | 0 |
| WY CHEYENNE | 83 | 54 | 88 | 51 | 68 | -1 | 0.07 | -0.33 | 0.05 | 2.71 | 76 | 7.09 | 77 | 84 | 36 | 0 | 0 | 2 | 0 |
| WY LANDER | 87 | 53 | 93 | 50 | 70 | -2 | 0.10 | -0.04 | 0.07 | 0.82 | 39 | 5.27 | 61 | 73 | 38 | 1 | 0 | 2 | 0 |
| WY SHERIDAN | 84 | 52 | 93 | 49 | 68 | -3 | 0.56 | 0.43 | 0.35 | 2.65 | 91 | 10.68 | 114 | 84 | 38 | 1 | 0 | 4 | 0 |

Based on 1961-90 normals

*** Not Available

NOTE: These data are preliminary and subject to change. In the past, precipitation

National Agricultural Summary

July 17 - 23, 2000

HIGHLIGHTS

Crop development remained more than 1 week ahead of normal across most of the Corn Belt and northern Great Plains, despite abnormally cool weather. In the southern Great Plains, lower Mississippi Valley, and Southeast, above-normal temperatures accelerated crop development and early-planted crops quickly ripened. Harvest was aided by mostly dry weather, with only scattered rain delays in

coastal areas of the Mississippi Delta and Southeast. Above-normal temperatures ripened small grains in the Pacific Northwest, where the winter wheat harvest accelerated due to dry conditions. Harvest activity also increased on the northern High Plains. Cool weather hindered crop development in the California valleys and along the middle and northern Atlantic coast.

Corn: Seventy-five percent of the acreage was at or beyond the silking stage, compared with last year's 65-percent pace and more than 1 week ahead of the 47-percent average for this date. Thirteen percent was at or beyond the dough stage, 4 percentage points ahead of last year and nearly 1 week ahead of the 7-percent normal for this date. Development was rapid across the Corn Belt and most of the central and northern Great Plains, despite well-below-normal temperatures. More than 40 percent of the crop entered the silking stage in Minnesota during the week, while about one-third of the acreage advanced to the silking stage in Colorado, Iowa, and Ohio. Acreage silking progressed 20 and 22 percentage points in Michigan and Wisconsin, respectively, but development remained slightly behind the 5-year average in both States. Acreage at or beyond the dough stage more than doubled in Missouri, to 42 percent. Along the Tennessee and lower Ohio River Valleys, slightly warmer weather aided crop development. Acreage at or beyond the dough stage tripled in Kentucky, to 30 percent. In Tennessee, 22 percent of the acreage entered the dough stage. A few fields progressed to the dough stage in Iowa, Nebraska, South Dakota, and Wisconsin. None of the acreage was at the dough stage in Michigan and Minnesota. Conditions were mostly unchanged, while rain reduced moisture shortages in Colorado, Kansas, and Nebraska. However, significant moisture shortages remained in Nebraska. Elsewhere, cool weather reduced soil moisture evaporation and eased crop moisture requirements.

Soybeans: Seventy-four percent of the crop was blooming, 6 percentage points ahead of last year's rapid pace, and more than 1 week ahead of the 54-percent average for this date. Acreage setting pods advanced to 30 percent, compared with 23 percent last year and double the 5-year average. Although temperatures averaged well below normal, fields rapidly developed in the northern Great Plains as about one-third of the acreage entered the bloom stage in North and South Dakota. In Michigan, acreage at the bloom stage doubled to 32 percent, and acreage setting pods accelerated to 6 percent, but development remained well behind normal. Conditions were aided by mild temperatures and adequate moisture supplies in most areas, although serious moisture shortages continued in some areas, especially in Nebraska.

Small grains: The winter wheat harvest advanced to 87 percent complete, slightly ahead of last year and more than 1 week ahead of the 81-percent average for this date. Dry weather aided rapid progress in Michigan, as growers harvested nearly one-half of their acreage during the week. The harvest pace accelerated in the northern Great Plains, especially in South Dakota, where growers harvested almost one-third of their crop. In the Pacific Northwest, harvest progress also gained momentum. In Nebraska, the harvest was nearly complete, about 2 weeks ahead of normal.

Spring wheat and barley were 96 percent headed, about 1 week

ahead of last year and the average. In Montana, 11 percent of the spring wheat and 14 percent of the barley entered the heading stage, despite below normal temperatures. Two percent of the barley and 1 percent of the spring wheat was harvested. The spring wheat harvest was most advanced in South Dakota, at 7 percent. The barley harvest was most advanced in Minnesota and Washington.

The oat harvest was 21 percent complete, compared with 17 percent a year ago and well ahead of the 12-percent average for this date. Iowa growers harvested more than one-third of their crop during the week. The harvest pace was also active in Minnesota, Nebraska, Ohio, Pennsylvania, and South Dakota.

Cotton: Ninety-four percent of cotton acreage was at or beyond the squaring stage, while acreage setting bolls advanced to 66 percent. Development through both stages was ahead of the 5-year average and last year's slow pace due to above-normal temperatures that stimulated rapid growth. Nearly all of the California cotton was squaring, nearly 2 weeks ahead of the normal pace. In Oklahoma, acreage squaring was more than 1 week ahead of the 5-year average. Cool, wet weather hindered development in Virginia, where boll setting was more than 1 week behind normal. Warm weather aided progress in the Southeast, but acreage setting bolls remained behind the 5-year average in Georgia and South Carolina. Scattered showers improved moisture supplies near the Atlantic and Gulf Coasts, but moisture shortages stressed many fields in Alabama, Georgia, Louisiana, and South Carolina. Crop conditions deteriorated in Virginia due to abnormally cold weather.

Rice: Thirty-two percent of the crop was headed, slightly ahead of last year and the average for this date. Above-normal temperatures aided development along the western Gulf Coast, especially in Louisiana, where 14 percent of the crop progressed to the heading stage during the week. Temperatures were favorable for development in inland areas of the Mississippi Delta, but progress lagged in Arkansas and Mississippi. Below-normal temperatures slightly hindered development in California.

Other crops: Forty-six percent of the sorghum acreage was at or beyond the heading stage, about 1 week ahead of last year and the average for this date. Fields rapidly entered the heading stage in the southern Corn Belt, despite below-normal temperatures. Nearly one-third of the acreage progressed to the heading stage in Illinois, while 20 percent headed in Missouri. Twenty-one percent of the sorghum was turning color, 3 percentage points ahead of last year and slightly ahead of the 5-year average. Fields quickly ripened in the lower Mississippi Valley.

Seventy-five percent of the peanut acreage was pegging, 8 percentage points behind last year's pace. Hot, dry weather hindered development in along the eastern Gulf Coast, especially in Alabama. In Virginia, cool, wet, weather hampered progress.

Crop Progress and Condition

Week Ending July 23, 2000

| Winter Wheat Percent Harvested | | | | |
|--------------------------------|----------------|--------------|--------------|-------------|
| | Jul 23 2000 | Prev Week | Prev Year | 5-Yr Avg |
| AR | 100 | 100 | 100 | 100 |
| CA | 99 | 92 | 96 | 96 |
| CO | 97 | 91 | 89 | 78 |
| ID | 5 | 1 | 1 | 2 |
| IL | 99 | 95 | 100 | 97 |
| IN | 100 | 99 | 100 | 91 |
| KS | 100 | 100 | 100 | 99 |
| MI | 70 | 24 | 96 | 58 |
| MO | 100 | 99 | 100 | 99 |
| MT | 17 | *6 | 5 | 4 |
| NE | 97 | 95 | 87 | 72 |
| NC | 99 | 99 | 100 | 98 |
| OH | 99 | 94 | 100 | 86 |
| OK | 100 | 100 | 100 | 100 |
| OR | 21 | 2 | 16 | 12 |
| SD | 65 | 33 | 60 | 32 |
| TX | 100 | 99 | 98 | 99 |
| WA | 11 | 5 | 6 | 8 |
| 18 Sts | 87 | 83 | 85 | 81 |

These 18 States harvested 91% of last year's winter wheat acreage.

| Spring Wheat Percent Headed | | | | |
|-----------------------------|----------------|--------------|--------------|-------------|
| | Jul 23 2000 | Prev Week | Prev Year | 5-Yr Avg |
| ID | 94 | 88 | 89 | 92 |
| MN | 99 | 99 | 95 | 95 |
| MT | 92 | 81 | 90 | 93 |
| ND | 96 | 88 | 78 | 82 |
| SD | 100 | 100 | 99 | 97 |
| WA | 100 | 100 | 100 | 100 |
| 6 Sts | 96 | 89 | 87 | 90 |

These 6 States planted 98% of last year's spring wheat acreage.

| Spring Wheat Percent Harvested | | | | |
|--------------------------------|----------------|--------------|--------------|-------------|
| | Jul 23 2000 | Prev Week | Prev Year | 5-Yr Avg |
| ID | 0 | NA | 0 | 0 |
| MN | 1 | NA | 1 | 1 |
| MT | 0 | NA | 0 | 0 |
| ND | 0 | NA | 0 | 0 |
| SD | 7 | NA | 3 | 3 |
| WA | 1 | NA | 1 | 1 |
| 6 Sts | 1 | NA | 1 | 1 |

These 6 States harvested 98% of last year's spring wheat acreage.

| Barley Percent Headed | | | | |
|-----------------------|----------------|--------------|--------------|-------------|
| | Jul 23 2000 | Prev Week | Prev Year | 5-Yr Avg |
| ID | 98 | 90 | 89 | 89 |
| MN | 99 | 98 | 97 | 96 |
| MT | 94 | 80 | 94 | 93 |
| ND | 96 | 88 | 76 | 84 |
| WA | 100 | 100 | 99 | 100 |
| 5 Sts | 96 | 88 | 88 | 90 |

These 5 States planted 78% of last year's barley acreage.

| Barley Percent Harvested | | | | |
|--------------------------|----------------|--------------|--------------|-------------|
| | Jul 23 2000 | Prev Week | Prev Year | 5-Yr Avg |
| ID | 2 | NA | 0 | 1 |
| MN | 4 | NA | 0 | 1 |
| MT | 1 | NA | 0 | 0 |
| ND | 0 | NA | 0 | 0 |
| WA | 5 | NA | 4 | 3 |
| 5 Sts | 2 | NA | 1 | 1 |

These 5 States harvested 79% of last year's barley acreage.

| Oats Percent Harvested | | | | |
|------------------------|----------------|--------------|--------------|-------------|
| | Jul 23 2000 | Prev Week | Prev Year | 5-Yr Avg |
| IA | 63 | 28 | 49 | 28 |
| MN | 16 | 2 | 4 | 5 |
| NE | 78 | 59 | 55 | 49 |
| ND | 0 | 0 | 0 | 0 |
| OH | 24 | 11 | 52 | 24 |
| PA | 16 | 3 | 28 | 18 |
| SD | 23 | 4 | 15 | 9 |
| WI | 13 | 10 | 5 | 8 |
| 8 Sts | 21 | 9 | 17 | 12 |

These 8 States harvested 66% of last year's oat acreage.

| Peanuts Percent Pegging | | | | |
|-------------------------|----------------|--------------|--------------|-------------|
| | Jul 23 2000 | Prev Week | Prev Year | 5-Yr Avg |
| AL | 45 | 40 | 85 | 84 |
| FL | 78 | 65 | 92 | NA |
| GA | 82 | 72 | 88 | 92 |
| NC | 85 | 75 | 84 | 66 |
| OK | 83 | 69 | 79 | 84 |
| TX | 82 | 70 | 73 | NA |
| VA | 46 | 41 | 89 | 78 |
| 7 Sts | 75 | 65 | 83 | NA |

These 7 States planted 98% of last year's peanut acreage.

| Sorghum Percent Headed | | | | |
|------------------------|----------------|--------------|--------------|-------------|
| | Jul 23 2000 | Prev Week | Prev Year | 5-Yr Avg |
| AR | 81 | 72 | 74 | 63 |
| CO | 6 | 1 | 4 | 4 |
| IL | 39 | 8 | 18 | 8 |
| KS | 35 | 16 | 14 | 15 |
| LA | 90 | 78 | 94 | 85 |
| MO | 59 | *39 | 25 | 28 |
| NE | 22 | 14 | 9 | 5 |
| NM | 8 | *4 | 6 | 2 |
| OK | 25 | 13 | 10 | 18 |
| SD | 22 | 5 | 17 | 9 |
| TX | 65 | 60 | 54 | 66 |
| 11 Sts | 46 | 33 | 30 | 34 |

These 11 States planted 98% of last year's sorghum acreage.

| Sorghum Percent Coloring | | | | |
|--------------------------|----------------|--------------|--------------|-------------|
| | Jul 23 2000 | Prev Week | Prev Year | 5-Yr Avg |
| AR | 32 | 16 | 10 | 15 |
| CO | 0 | 0 | 0 | 0 |
| IL | 0 | 0 | 0 | 0 |
| KS | 3 | 0 | 0 | 0 |
| LA | 65 | 38 | 32 | 27 |
| MO | 3 | 1 | 1 | 1 |
| NE | 0 | 0 | 0 | 0 |
| NM | 0 | 0 | 0 | 0 |
| OK | 6 | 2 | 3 | 5 |
| SD | 0 | 0 | 7 | 2 |
| TX | 49 | 47 | 47 | 53 |
| 11 Sts | 21 | 18 | 18 | 20 |

These 11 States planted 98% of last year's sorghum acreage.

| Rice Percent Headed | | | | |
|---------------------|----------------|--------------|--------------|-------------|
| | Jul 23 2000 | Prev Week | Prev Year | 5-Yr Avg |
| AR | 15 | 12 | 18 | 20 |
| CA | 0 | 0 | 4 | 2 |
| LA | 84 | 70 | 81 | 69 |
| MS | 31 | 24 | 28 | 42 |
| TX | 85 | 80 | 82 | 76 |
| 5 Sts | 32 | 27 | 33 | 32 |

These 5 States planted 95% of last year's rice acreage.

Crop Progress and Condition

Week Ending July 23, 2000

| Corn Percent Silking | | | | |
|--|----------------|--------------|--------------|-------------|
| | Jul 23 2000 | Prev Week | Prev Year | 5-Yr Avg |
| CO | 46 | 12 | 21 | 23 |
| IL | 92 | 73 | 80 | 55 |
| IN | 90 | 67 | 86 | 46 |
| IA | 84 | 50 | 58 | 38 |
| KS | 94 | 81 | 70 | 69 |
| KY | 85 | 78 | 91 | 69 |
| MI | 24 | 4 | 62 | 30 |
| MN | 71 | 29 | 65 | 52 |
| MO | 96 | 90 | 73 | 65 |
| NE | 72 | 46 | 61 | 48 |
| NC | 95 | 89 | 86 | 89 |
| ND | 54 | 23 | 42 | 37 |
| OH | 63 | 30 | 74 | 34 |
| PA | 52 | 22 | 52 | 38 |
| SD | 40 | 15 | 20 | 14 |
| TN | 96 | 92 | 95 | 87 |
| TX | 89 | 83 | 77 | 85 |
| WI | 26 | 4 | 48 | 30 |
| 18 Sts | 75 | 49 | 65 | 47 |
| These 18 States planted 92% of last year's corn acreage. | | | | |

| Soybeans Percent Blooming | | | | |
|---|----------------|--------------|--------------|-------------|
| | Jul 23 2000 | Prev Week | Prev Year | 5-Yr Avg |
| AR | 39 | 23 | 44 | 39 |
| IL | 83 | 66 | 76 | 51 |
| IN | 80 | 61 | 89 | 54 |
| IA | 92 | 82 | 81 | 71 |
| KS | 74 | 64 | 43 | 48 |
| KY | 56 | 42 | 54 | 31 |
| LA | 88 | 76 | 86 | 80 |
| MI | 32 | 16 | 70 | 44 |
| MN | 73 | 55 | 72 | 65 |
| MS | 89 | 81 | 92 | 74 |
| MO | 75 | 60 | 42 | 39 |
| NE | 77 | 61 | 65 | 54 |
| NC | 27 | 16 | 21 | 25 |
| ND | 76 | 43 | 44 | 58 |
| OH | 70 | 53 | 85 | 60 |
| SD | 77 | 45 | 53 | 49 |
| TN | 39 | 23 | 45 | 33 |
| WI | 42 | 21 | 45 | 32 |
| 18 Sts | 74 | 58 | 68 | 54 |
| These 18 States planted 95% of last year's soybean acreage. | | | | |

| Cotton Percent Squaring | | | | |
|--|----------------|--------------|--------------|-------------|
| | Jul 23 2000 | Prev Week | Prev Year | 5-Yr Avg |
| AL | 93 | 91 | 94 | 92 |
| AZ | 100 | 100 | 98 | 99 |
| AR | 100 | 100 | 100 | 100 |
| CA | 98 | 95 | 89 | 87 |
| GA | 94 | 87 | 96 | 97 |
| LA | 100 | 98 | 100 | 100 |
| MS | 99 | 97 | 100 | 99 |
| MO | 100 | 100 | 100 | 99 |
| NC | 88 | 84 | 82 | 85 |
| OK | 90 | 82 | 55 | 80 |
| SC | 94 | 89 | 92 | 95 |
| TN | 100 | 100 | 100 | 99 |
| TX | 90 | 85 | 88 | 90 |
| VA | 88 | 82 | 95 | 96 |
| 14 Sts | 94 | 90 | 92 | 93 |
| These 14 States planted 99% of last year's cotton acreage. | | | | |

| Corn Percent Dough | | | | |
|--|----------------|--------------|--------------|-------------|
| | Jul 23 2000 | Prev Week | Prev Year | 5-Yr Avg |
| CO | 8 | 0 | 0 | 0 |
| IL | 23 | 9 | 16 | 7 |
| IN | 13 | 3 | 12 | 5 |
| IA | 2 | 0 | 0 | 1 |
| KS | 28 | 15 | 13 | 17 |
| KY | 30 | 10 | 28 | 17 |
| MI | 0 | 0 | 0 | 0 |
| MN | 0 | 0 | 0 | 0 |
| MO | 42 | 20 | 29 | 21 |
| NE | 8 | 5 | 3 | 1 |
| NC | 70 | 51 | 54 | 61 |
| ND | 7 | 0 | 1 | 2 |
| OH | 6 | 0 | 8 | 3 |
| PA | 20 | 4 | 14 | 3 |
| SD | 2 | 0 | 1 | 1 |
| TN | 42 | 20 | 45 | 41 |
| TX | 69 | 62 | 61 | 64 |
| WI | 1 | 0 | 0 | 0 |
| 18 Sts | 13 | 6 | 9 | 7 |
| These 18 States planted 92% of last year's corn acreage. | | | | |

| Soybeans Percent Setting Pods | | | | |
|---|----------------|--------------|--------------|-------------|
| | Jul 23 2000 | Prev Week | Prev Year | 5-Yr Avg |
| AR | 16 | 8 | 13 | 12 |
| IL | 35 | 14 | 22 | 11 |
| IN | 27 | 16 | 33 | 13 |
| IA | 46 | 21 | 32 | 21 |
| KS | 38 | 18 | 12 | 14 |
| KY | 28 | 14 | 26 | 12 |
| LA | 66 | 45 | 56 | 49 |
| MI | 6 | 1 | 21 | 42 |
| MN | 12 | 4 | 13 | 14 |
| MS | 72 | 60 | 71 | 49 |
| MO | 32 | 18 | 10 | 8 |
| NE | 27 | 15 | 12 | 7 |
| NC | 6 | 0 | 8 | 4 |
| ND | 25 | 9 | 17 | 20 |
| OH | 23 | 12 | 26 | 13 |
| SD | 34 | 22 | 18 | 14 |
| TN | 14 | 5 | 22 | 11 |
| WI | 8 | 0 | 14 | 8 |
| 18 Sts | 30 | 15 | 23 | 15 |
| These 18 States planted 95% of last year's soybean acreage. | | | | |

| Cotton Percent Setting Bolls | | | | |
|--|----------------|--------------|--------------|-------------|
| | Jul 23 2000 | Prev Week | Prev Year | 5-Yr Avg |
| AL | 69 | 45 | 65 | 63 |
| AZ | 82 | 64 | 71 | 78 |
| AR | 85 | 61 | 84 | 81 |
| CA | 50 | 30 | 36 | 39 |
| GA | 67 | 53 | 70 | 78 |
| LA | 96 | 83 | 85 | 91 |
| MS | 93 | 85 | 91 | 87 |
| MO | 93 | 71 | 94 | 74 |
| NC | 60 | 40 | 51 | 51 |
| OK | 35 | 20 | 15 | 23 |
| SC | 44 | 32 | 29 | 52 |
| TN | 73 | 54 | 80 | 70 |
| TX | 58 | 32 | 38 | 45 |
| VA | 19 | 10 | 26 | 69 |
| 14 Sts | 66 | 45 | 55 | 59 |
| These 14 States planted 99% of last year's cotton acreage. | | | | |

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

NA - Not Available
* - Revised

Crop Progress and Condition

Week Ending July 23, 2000

| Corn Crop Condition by Percent | | | | | |
|--------------------------------|----|----|----|----|----|
| | VP | P | F | G | EX |
| CO | 2 | 6 | 27 | 48 | 17 |
| IL | 1 | 2 | 9 | 46 | 42 |
| IN | 1 | 3 | 11 | 54 | 31 |
| IA | 2 | 4 | 16 | 53 | 25 |
| KS | 2 | 10 | 30 | 48 | 10 |
| KY | 1 | 5 | 20 | 46 | 28 |
| MI | 2 | 9 | 25 | 54 | 10 |
| MN | 1 | 3 | 17 | 55 | 24 |
| MO | 0 | 4 | 18 | 57 | 21 |
| NE | 9 | 15 | 26 | 37 | 13 |
| NC | 1 | 5 | 19 | 61 | 14 |
| ND | 3 | 4 | 10 | 63 | 20 |
| OH | 2 | 6 | 18 | 46 | 28 |
| PA | 0 | 2 | 14 | 52 | 32 |
| SD | 2 | 5 | 15 | 47 | 31 |
| TN | 2 | 5 | 19 | 45 | 29 |
| TX | 0 | 3 | 30 | 60 | 7 |
| WI | 1 | 5 | 17 | 51 | 26 |
| 18 Sts | 2 | 5 | 18 | 50 | 25 |
| Prev Wk | 2 | 5 | 18 | 50 | 25 |
| Prev Yr | 2 | 7 | 21 | 50 | 20 |

| Soybeans Crop Condition by Percent | | | | | |
|------------------------------------|----|----|----|----|----|
| | VP | P | F | G | EX |
| AR | 4 | 13 | 33 | 39 | 11 |
| IL | 2 | 5 | 17 | 47 | 29 |
| IN | 2 | 5 | 24 | 52 | 17 |
| IA | 1 | 5 | 20 | 55 | 19 |
| KS | 0 | 3 | 32 | 57 | 8 |
| KY | 1 | 4 | 23 | 47 | 25 |
| LA | 3 | 9 | 46 | 41 | 1 |
| MI | 1 | 9 | 30 | 53 | 7 |
| MN | 2 | 5 | 23 | 52 | 18 |
| MS | 5 | 12 | 33 | 39 | 11 |
| MO | 1 | 5 | 24 | 55 | 15 |
| NE | 9 | 15 | 30 | 33 | 13 |
| NC | 1 | 7 | 18 | 65 | 9 |
| ND | 8 | 11 | 16 | 54 | 11 |
| OH | 4 | 10 | 28 | 45 | 13 |
| SD | 1 | 5 | 15 | 54 | 25 |
| TN | 2 | 6 | 25 | 49 | 18 |
| WI | 1 | 3 | 17 | 56 | 23 |
| 18 Sts | 2 | 7 | 23 | 50 | 18 |
| Prev Wk | 2 | 7 | 25 | 49 | 17 |
| Prev Yr | 2 | 7 | 26 | 50 | 15 |

| Cotton Crop Condition by Percent | | | | | |
|----------------------------------|----|----|----|----|----|
| | VP | P | F | G | EX |
| AL | 26 | 30 | 20 | 24 | 0 |
| AZ | 0 | 4 | 22 | 51 | 23 |
| AR | 1 | 8 | 33 | 45 | 13 |
| CA | 0 | 0 | 40 | 40 | 20 |
| GA | 15 | 24 | 32 | 23 | 6 |
| LA | 2 | 18 | 32 | 46 | 2 |
| MS | 3 | 9 | 32 | 46 | 10 |
| MO | 0 | 7 | 33 | 58 | 2 |
| NC | 1 | 5 | 12 | 70 | 12 |
| OK | 0 | 0 | 31 | 50 | 19 |
| SC | 3 | 11 | 38 | 47 | 1 |
| TN | 0 | 3 | 24 | 54 | 19 |
| TX | 6 | 9 | 29 | 44 | 12 |
| VA | 0 | 1 | 17 | 69 | 13 |
| 14 Sts | 6 | 10 | 29 | 44 | 11 |
| Prev Wk | 5 | 10 | 30 | 41 | 14 |
| Prev Yr | 2 | 10 | 28 | 48 | 12 |

| Sorghum Crop Condition by Percent | | | | | |
|-----------------------------------|----|----|----|----|----|
| | VP | P | F | G | EX |
| AR | 1 | 4 | 26 | 60 | 9 |
| CO | 0 | 12 | 41 | 40 | 7 |
| IL | 2 | 7 | 19 | 54 | 18 |
| KS | 2 | 6 | 33 | 51 | 8 |
| LA | 0 | 3 | 35 | 61 | 1 |
| MO | 1 | 2 | 19 | 59 | 19 |
| NE | 8 | 15 | 33 | 33 | 11 |
| NM | 5 | 6 | 45 | 43 | 1 |
| OK | 0 | 14 | 30 | 54 | 2 |
| SD | 1 | 5 | 26 | 63 | 5 |
| TX | 1 | 10 | 35 | 48 | 6 |
| 11 Sts | 2 | 8 | 33 | 50 | 7 |
| Prev Wk | 2 | 7 | 35 | 48 | 8 |
| Prev Yr | 1 | 4 | 22 | 61 | 12 |

| Barley Crop Condition by Percent | | | | | |
|----------------------------------|----|----|----|----|----|
| | VP | P | F | G | EX |
| ID | 0 | 5 | 22 | 62 | 11 |
| MN | 2 | 7 | 18 | 56 | 17 |
| MT | 9 | 24 | 40 | 23 | 4 |
| ND | 2 | 2 | 22 | 60 | 14 |
| WA | 0 | 9 | 36 | 45 | 10 |
| 5 Sts | 4 | 11 | 29 | 46 | 10 |
| Prev Wk | 4 | 10 | 29 | 47 | 10 |
| Prev Yr | 3 | 10 | 28 | 47 | 12 |

| Oats Crop Condition by Percent | | | | | |
|--------------------------------|----|----|----|----|----|
| | VP | P | F | G | EX |
| IA | 0 | 7 | 23 | 55 | 15 |
| MN | 0 | 2 | 18 | 63 | 17 |
| NE | 26 | 23 | 17 | 22 | 12 |
| ND | 0 | 1 | 19 | 71 | 9 |
| OH | 0 | 4 | 30 | 54 | 12 |
| PA | 0 | 3 | 19 | 60 | 18 |
| SD | 0 | 2 | 17 | 62 | 19 |
| WI | 0 | 2 | 11 | 61 | 26 |
| 8 Sts | 1 | 4 | 18 | 61 | 16 |
| Prev Wk | 2 | 4 | 19 | 59 | 16 |
| Prev Yr | 1 | 5 | 22 | 56 | 16 |

| Peanuts Crop Condition by Percent | | | | | |
|-----------------------------------|----|----|----|----|----|
| | VP | P | F | G | EX |
| AL | 45 | 31 | 21 | 3 | 0 |
| FL | 0 | 10 | 64 | 26 | 0 |
| GA | 11 | 17 | 34 | 32 | 6 |
| NC | 0 | 1 | 4 | 84 | 11 |
| OK | 0 | 5 | 37 | 50 | 8 |
| TX | 1 | 6 | 24 | 51 | 18 |
| VA | 0 | 0 | 11 | 68 | 21 |
| 7 Sts | 10 | 13 | 28 | 40 | 9 |
| Prev Wk | 9 | 13 | 30 | 37 | 11 |
| Prev Yr | 0 | 3 | 17 | 58 | 22 |

| Spring Wheat Crop Condition by Percent | | | | | |
|--|----|----|----|----|----|
| | VP | P | F | G | EX |
| ID | 0 | 2 | 22 | 65 | 11 |
| MN | 2 | 7 | 24 | 50 | 17 |
| MT | 9 | 17 | 33 | 33 | 8 |
| ND | 4 | 4 | 18 | 61 | 13 |
| SD | 1 | 3 | 14 | 56 | 26 |
| WA | 0 | 10 | 30 | 54 | 6 |
| 6 Sts | 4 | 8 | 23 | 52 | 13 |
| Prev Wk | 4 | 7 | 25 | 52 | 12 |
| Prev Yr | 3 | 8 | 25 | 52 | 12 |

| Rice Crop Condition by Percent | | | | | |
|--------------------------------|----|----|----|----|----|
| | VP | P | F | G | EX |
| AR | 2 | 5 | 20 | 58 | 15 |
| CA | 0 | 0 | 50 | 45 | 5 |
| LA | 0 | 10 | 41 | 41 | 8 |
| MS | 1 | 4 | 25 | 55 | 15 |
| TX | 0 | 0 | 8 | 72 | 20 |
| 5 Sts | 1 | 5 | 28 | 53 | 13 |
| Prev Wk | 1 | 6 | 28 | 51 | 14 |
| Prev Yr | 0 | 2 | 18 | 59 | 21 |

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 6.5. Topsoil 56% very short, 35 short, 9% adequate. Corn 94% silked, 97% 1999, 98% 5 yr avg. Corn 61% dough, 69% 1999, 5 yr avg not available. Corn 45% dented, 46% 1999, 59% 5 yr avg. Corn 25% mature, 15% 1999, 28% 5 yr avg. Corn 47% very poor, 22% poor, 19% fair, 12% good. Soybeans 35% blooming, 32% 1999, 34% 5 yr avg. Soybeans 14% setting pods, 14% 1999, 13% 5 yr avg. Soybean 7% very poor, 27% poor, 44% fair, 22% good. Pasture feed 34% very poor, 34% poor, 27% fair, 5% good. Livestock feed 10% very poor, 18% poor, 35% fair, 34% good, 3% excellent. Portions of state received much needed rainfall, but more moisture is needed for crops, pastures to recover.

ALASKA: Days suitable for fieldwork 5.2. Topsoil 20% short, 80% adequate. Subsoil moisture 30% short, 70% adequate. Conditions continued cool, damp, which hampered producers in harvesting their hay crop. Daytime high temperatures averaged in the mid-sixties, lows averaged in the upper-forties. Barley 60% in dough, 47% 1999, 65% avg.; 40% fair, 50% good, 10% excellent. Oats 45% in dough, 19% 1999, 49% avg.; 35% fair, 55% good, 10% excellent. No wind or rain damage to small grains reported. Potatoes 30% in bloom, 24% 1999, 31% avg.; 25% fair, 45% good, 30% excellent. Average height of potato crop, 17". 1st cutting hay harvest 60%, 72% 1999, 72% avg. Crop growth, 25% slow, 60% moderate, 15% rapid. Major farming activities for the week included: Cutting, harvesting hay fields, harvesting vegetables, weed control, machinery, fence repair.

ARIZONA: Area recorded above average temperatures with modest precipitation during the week of July 23. Weather conditions had a minimal impact on crop production due to irrigation. Ranges, pastures remain in poor to fair condition with ranchers reporting substantial precipitation needed to improve conditions.

ARKANSAS: Days suitable for fieldwork 6.0. Soil moisture 14% very short, 41% short, 45% adequate. Rice 15% headed, 18% 1999, 20% 5 yr. avg.; 2% very poor, 5% poor, 20% fair, 58% good, 15% excellent. Sorghum 81% headed, 74% 1999, 63% 5 yr. avg.; 32% turning color, 10% 1999, 15% 5 year avg.; 1% very poor, 4% poor, 26% fair, 60% good, 9% excellent. Cotton 85% setting bolls, 84% 1999, 81% 5 yr avg.; 1% very poor, 8% poor, 33% fair, 45% good, 13% excellent. Soybean 99% emerged, 100% 1999, 99% 5 yr avg.; 39% bloomed, 44%, 1999, 39% 5 yr avg.; 16% setting pods, 13% 1999, 12% 5 yr avg.; 4% very poor, 13% poor 33% fair, 39% good, 11% excellent. Corn 99% silked; 56% dough; 2% poor, 12% fair, 55% good, 31% excellent. Alfalfa Hay 2% very poor, 6% poor, 20% fair, 64% good, 8% excellent; Other Hay 1% very poor, 7% poor, 32% fair, 54% good, 6% excellent. Pasture, Range 2% very poor, 6% poor, 33% fair, 52% good, 7% excellent. CROPS: Farmers continued irrigating corn, cotton, rice, soybean fields. Fungicides were applied to rice fields for disease control. Soybeans, rice were still being sprayed with herbicides to control weeds. Some cotton fields continued to be sprayed for spider mites, aphids, boll weevils. Rice fields were being treated for sheath blight, grasshoppers. Armyworms, thrips were being treated in soybean fields. Some pastures were also being affected by armyworms. Many rice farmers were applying mid-season Nitrogen to their fields. Other activities included: Fertilizing, applying weed control to pastures, as well as, cutting, baling hay. Blueberry harvest was near completion while watermelon, peach harvests continued. Livestock were in good condition. However, heat, humidity were beginning to stress livestock, poultry. Cattle were being treated for horn flies, internal parasites. Many reports are received on Friday, may not reflect conditional changes due to weekend weather.

CALIFORNIA: Cotton fields were blooming, growing at a rapid rate. Bolls were setting in most southern counties. Many growers sprayed to control aphids, lygus, mites, worms in cotton fields. Alfalfa hay was cut, raked, baled. Alfalfa seed fields were in bloom and growers started to cut back on irrigation in preparation for harvest. Alfalfa was treated for lygus, worms, mites. Sudan hay was cut. Corn for silage was planted, while older fields were harvested. Corn fields were treated for mites, weeds. Sugar beets were harvested. Wheat harvest was winding down. Rye grass harvest began. Rice crop progress continued. Some rice growers were treating for heavy infestation of armyworms. Dry beans were treated for worms, mites, beetles. Some fields were still being planted. Growers were conducting cultural activities in vineyards, orchards. Weed control, fungicide applications continued in vineyards, orchards. Growers treated grape vineyards for mildew, leafhoppers. Grape growers remained concerned about the Glassy Winged Sharpshooter. Picking of grapes for fresh use was active in the San Joaquin Valley. Perlette, Thompson Seedless, Flame Seedless were the primary varieties picked. Picking of figs, freestone peaches, nectarines, plums was active. Bartlett pear harvest was active in the Sacramento delta area. Apples were treated for codling moth. Walnuts were treated for blight, codling moth. Almonds were treated for mites, navel orangeworm. Hull split was reported in some orchards. Picking of grapefruit was active in the San Joaquin Valley. Lemon harvest was active in southern state. The harvest of Valencia oranges progressed in southern state, in the San Joaquin Valley. Strawberry picking was active on the central coast. Some Sacramento Valley farmers applied aphid treatments to asparagus, melon fields. Worm, stink bug treatments were applied to tomato, melon fields. Some fields of processing tomatoes exhibited black mold, late blight. Cantaloupe, honeydew melon planting was completed in the San Joaquin Valley. Tomato, bell pepper planting continued in some areas. Harvesting of watermelons, fresh market tomatoes, bell peppers continued. Cantaloupe, processing tomato harvests were underway in Merced, Fresno counties. Honeydew, Crenshaw melons were also harvested. Harvest of zucchini squash was in full swing. Additional vegetables harvested included: Basil, carrots, cilantro, cucumbers, sweet corn, beans, eggplant, garlic, mustard greens, green onions, mixed melons, lemon grass, mint, okra, onions, parsley, peppers, squash, peas, radishes, spinach, tomatoes. Cattle continued to thrive on summer pastures at higher elevations, in the central, northern valleys. Good weight gains were reported in some areas. Foothill pastures were very dry, with a few fire problems reported. Bees were pollinating seed alfalfa, melon, vineseed fields. Warm temperatures aided bee activity. Sheep were grazing grain stubble in central state.

COLORADO: Days suitable for fieldwork 6.0. Topsoil 20% very short, 35% short, 42 adequate, 3% surplus. Subsoil moisture 27% very short, 50% short, 23% adequate, 0% surplus. Seasonal weather patterns prevailed last week with high temperatures in the upper 80's, isolated thunderstorms providing some additional moisture. Some areas on the Eastern Plains, Front Range experienced severe weather including tornado warnings, torrential rainfall that caused isolated flooding. Most crop condition ratings improved slightly, but dryland crops remain in desperate need of additional moisture. Spring 66% barley turning color, 67% 1999, 65% avg.; 15% harvested, 9% 1999, 11% avg.; 2% very poor, 8% poor, 20% fair, 54% good, 16% excellent. Dry onions 2% very poor, 5% poor, 14% fair, 53% good, 26% excellent. Sugar beets 4% very poor, 6% poor, 17% fair, 54% good, 19% excellent. Summer potatoes 3% poor, 11% fair, 49% good, 37% excellent. Fall potatoes 2% poor, 7% fair, 71% good, 20% excellent. Dry beans 57% flowered, 32% 1999, 32% avg.; 15% very poor, 7% poor, 23% fair, 36% good, 19% excellent. Spring wheat 70% turning color, 49% 1999, 45% avg.; 25% harvested, 12% 1999, 5% avg.; 5%

very poor, 10% poor, 21% fair, 48% good, 16% excellent. Alfalfa 55% 2nd cutting, 45% 1999, 40% avg.

DELAWARE: Days suitable for fieldwork 5. Topsoil 3% short, 90% adequate, 7% surplus. Subsoil moisture 7% short, 83% adequate, 10% surplus. Field corn 71% silked, 67% 1999, 55% avg.; 35% doughed, 13% in 1999, 8% avg. Sweet corn 25% harvested, 20% 1999, 23% avg. Cucumbers 42% harvested, 24% 1999, 34% avg. Soybeans 18% bloomed, 20% 1999, 24% avg.; 12% setting pods, 9% 1999, 5% avg. Sorghum 2% fair, 50% good, 48% excellent; 22% headed, 11% 1999, 10% avg. Snap beans 45% harvested, 34% 1999, 23% avg. Pasture feed 5% poor, 20% fair, 50% good, 25% excellent. Corn 6% fair, 50% good, 44% excellent. Soybean 15% fair, 72% good, 13% excellent. Potatoes 25% harvested 32% 1999, 27% avg. Apple 13% fair, 62% good, 25% excellent. Peaches 13% fair, 61% good, 26% excellent; 23% harvested, 22% 1999, 20% avg. Hay supplies 4% short, 96% adequate. Percent of cutting hay crop harvest; clover, other hays, 2nd cutting 70% cut, 74% 1999, 81% avg.; 3rd cutting 40% cut 60% 1999, 30% avg. Alfalfa 2nd cutting 90% cut, 89% 1999, 92% avg.; 3rd cutting 37% cut, 51% 1999, 25% avg. Tomatoes 15% harvested, 17% 1999 12% avg. Activities: Showers during the past week maintained good topsoil conditions. Most Areas of the state have had adequate to more than adequate, timely showers, so far this summer, thus greatly reducing the need for irrigation compared to the past two summers. High temperatures ranged from the low 60's to the mid-80's during the week. Harvesting sweet corn, snap beans, peaches, early apples, hay, cucumbers, potatoes.

FLORIDA: Topsoil and subsoil moisture supplies mostly adequate to short with scattered areas of very short supplies. Scattered rains helped ease dry conditions in many western Panhandle, northern Peninsula areas. Rainfall over central, southern Peninsula ranged from about 0.10 in. at Apopka to almost 4.00 in. at Tavares, Umatilla. Most high temperatures in 90s; most lows in 70s. Umatilla recorded at least one high of 100; several localities reported at least one low in 60s. Marginal rains, showers improved moisture in selective areas. Other areas remain dry. Extreme heat, drought over the past week having detrimental effect on some peanut, cotton fields. Cotton growers in some areas expect to abandon some fields. Peanut bloom, pollination poor at temperatures in mid 90s, above. Some producers making hay but getting only light cuttings. Growers continue to harvest tobacco. Sugarcane in mostly good condition. Soybeans in mostly good condition but need rain. Peanut 10% poor, 64% fair, 26% good. Growers report 78% of peanuts pegged. Some central, southern Peninsula producers starting to plant fall vegetables. Dade County growers harvesting okra. Rain all citrus areas, a little hail, high winds. Abundant new growth, some late bloom continues. New crop fruit making good progress. Most oranges now golf ball size, some grapefruit nearly baseball size, Temples, tangerines, tangelos larger than marbles but smaller than golf balls. Caretakers cutting cover crops, spraying, fertilizing, hedging, topping. Pasture feed 5% poor, 70% fair, 25% good. Cattle 5% poor, 65% fair, 30% good. Statewide: pasture improved somewhat from previous week. Cattle, calves condition fair to good. Marginal rainfall, extreme heat held pasture condition down. Panhandle: temporary forage poor due to extreme heat, drought. Some first-cutting of hay done. Central: pastures mostly fair, weeds becoming a problem.

GEORGIA: Days suitable for field work 6.2. Soil moisture 36% very short, 41% short, 22% adequate, 1% surplus. Corn 73% dent; 76% 1999, 75% avg.; 34% mature, 35% 1999, 31% avg.; 4% harvested for grain, 3% 1999, 2% avg. Hay 21% very poor, 32% poor, 34% fair, 11% good, 2% excellent. Peanuts 98% blooming, 98% 1999, 99% avg. Sorghum 19% very poor, 30% poor, 35% fair, 14% good, 2% excellent; 97% planted, 100% 1999, 99% avg. Soybeans 98% emerged, 100% 1999, NA% avg. Tobacco 7% very poor, 18% poor, 36% fair, 32% good, 7% excellent; 30% harvested, 39% 1999, 43% avg. Watermelons 90% harvested, 90% 1999, 89% avg. Apples 6% poor, 43% fair, 44% good, 7% excellent; 4% harvested, 1% 1999, 1% avg. Peaches 91% harvested, 79% 1999, 88% avg. Pecans 11% very poor, 24% poor, 44% fair, 19% good, 2% excellent. Much of the State

remained hot and dry last week. Temporary relief came late in the week with scattered thunderstorms. There were reports of possible wind, hail damage. High temperatures caused afternoon wilting in some crops and kept soil moisture levels low. Farmers irrigated where possible. Wells were running dry. Stream, pond levels remained low. Corn harvest began. High temperatures caused some dryland cotton to shed bolls, squares. Insect control proceeded in cotton. Soybean producers continued to fight weeds. Horn worms appeared in tobacco. Insects appeared in pecan orchards. Pastures, hayfields continued to suffer from the dry conditions. Farmers cut hay where possible. Some cattlemen were forced to bring in water for herds. Hay feeding continued. Other activities included: Harvesting watermelons, peaches.

HAWAII: Weather condition was variable for agriculture during the week. Light to moderate showers mixed with sunny periods. Moderate trade winds for much of the week as high pressure system remains anchored north of State. Banana and papaya harvesting steady. Most vegetables in fair to good condition.

IDAHO: Days suitable for field work 6.8. Topsoil 22% very short, 35% short, 43% adequate. Hot weather conditions continue across the state with above normal temperatures. Eastern State continues to be desperate for rain, despite minimal precipitation levels received last week. The states 2nd cutting of alfalfa hay is nearly half harvested, while the 3rd cutting is underway in the Treasure, Magic Valleys. Irrigation supply 19% excellent, 33% good, 28% fair, 15% poor, 5% very poor. Oats 91% headed, 91% 1999, 1% harvested, 0% 1999, 1% avg. Potatoes 12" high 97%, 96% 1999, 92% avg.; closing 83% middles, 77% 1999, 75% avg. Mint 25% harvested, 5% 1999, 7% avg. Spring wheat 53% turning color, 31% 1999, 40% avg. Barley 45% turning color, 32% 1999, 36% avg. Peaches 8% harvested, 2% 1999, 5% avg. Dry Peas 8% harvested, 6% 1999, 6% avg. Lentils 0% harvested, 0% 1999, 1% avg. Alfalfa hay 2nd cutting harvested 54%, 47% 1999, 35% avg. Winter wheat 86% turning color, 69% 1999, 78% avg.; 5% harvested, 1% 1999, 2% avg. Spring wheat 94% headed, 89% 1999, 92% avg. Spring barley 98% headed, 89% 1999, 89% avg.; 2% harvested, 0% 1999, 1% avg. Activities: Irrigating, weed control, monitoring, controlling disease, pests, harvesting small grains, peaches, mint, dry peas, hay.

ILLINOIS: Days suitable for fieldwork 5.4. Topsoil 3% short, 81% adequate, 16% surplus. Oats 98% turning yellow, 98% 1999, 90% avg.; 76% ripe, 82% 1999, 58% avg.; 48% harvested, 49% 1999, 26% avg. Alfalfa 2nd 90%, 91% 1999, 75% avg.; 3rd cut 19%, 16% 1999, 9% avg.; 1% poor, 15% fair, 58% good, 26% excellent. Cool, dry weather last week allowed farmers to get out into the field, helped the crops to recover from the wet conditions. Much drier conditions across most of the state has helped the crops develop towards maturity, however, the southern portion of the state received rains that hindered replanting, left some acres drowned out, particularly soybeans. Activities for last week included: Mowing roadsides, attending fairs, caring for livestock.

INDIANA: Days suitable for fieldwork 5.6. Topsoil 1% very short, 12% short, 77% adequate, 10% surplus. Subsoil 2% very short, 18% short, 74% adequate, 6% surplus. Favorable weather continued, helping corn, soybean development. Harvesting of winter wheat is virtually complete. Cool temperatures have been ideal for corn pollination. Precipitation averaged 0 to 3.93 inches. Most areas received less than an inch of rain. Temperatures averaged 5E to 9E below normal. Weeds remain in portions of some soybean fields. Range, pasture 4% poor, 25% fair, 56% good, 15% excellent. Second cutting alfalfa hay 92%, 99% 1999, 66% avg. Major activities: Harvesting winter wheat, scouting fields, spraying, cutting, baling hay, mowing roads, pastures, equipment repair, hauling manure, attending county fairs, feeding, 1% caring for livestock.

IOWA: Days suitable for field work 5.3. Topsoil 3% very short, 16% short, 71% adequate, 10% surplus. Subsoil moisture 8% very short,

30% short, 57% adequate, 5% surplus. Across most of state, reporters noted that both corn, bean crop look good. Cooler weather this week was beneficial for corn pollination, but may have slowed things down a bit for soybeans. Weeds starting to be a problem in fields. Some producers in north central state experienced heavy rains which damaged crops in low lying areas; left water standing in fields. In south central, south eastern sections of state farmers lost hay as a result of rain. Corn 84% silked, 58% 1999, 38% avg.; 18% milk stage, 6% 1999, 5% avg.; 2% dough stage, 0% 1999, 1% avg.; 2% very poor, 4% poor, 16% fair, 53% good, 25% excellent. Soybeans 92% blooming, 81% 1999, 71% avg.; 46% setting pods, 32% 1999, 21% avg.; 1% very poor, 5% poor, 20% fair, 55% good, 19% excellent. Oats 99% turning, 99% 1999, 96% avg.; 63% harvested, 49% 1999, 28% avg.; 7% poor, 23% fair, 55% good, 15% excellent. Winter wheat 97% harvested. Range, pasture feed 5% very poor, 10% poor, 33% fair, 39% good, 13% excellent. Second cutting of alfalfa 84%, 71% 1999, 58% avg. Second cutting of clover hay 51%, 39% 1999, 25% avg. Hay 1% very poor, 5% poor, 25% fair, 50% good, 19% excellent. Livestock generally in good condition; cooler temperatures have eased stress on animals.

KANSAS: Days suitable for fieldwork 3.8. Topsoil 10% very short, 31% short, 51% adequate, 8% surplus. Subsoil moisture 10% very short, 38% short, 50% adequate, 2% surplus Major row crops (corn, sorghum, soybeans) are maturing at least 15% points ahead of 1999. Sunflower 18% bloom, 14% 1999, 5% poor, 32% fair, 59% good, 4% excellent. 3rd cutting alfalfa 54%, 25% 1999, 28% avg.

KENTUCKY: Days suitable for fieldwork 4.9. Topsoil 9% very short, 18% short, 60% adequate, 13% surplus. Subsoil moisture 12% very short, 27% short, 54% adequate, 7% surplus. Temperatures were slightly below normal throughout the State. The commonwealth received a few scattered thunderstorms throughout the week; however the majority of the State is still in need of additional rainfall. South Central State was the driest area. Corn, Soybean growth was ahead of average. Problems with black shank, blue mold were reported in a few areas. Burley tobacco blooming or beyond 54%, topped 29%. Dark tobacco topped 42%. Tobacco 2% very poor, 5% poor, 18% fair, 56% good, 19% excellent. Pastures 2% very poor, 8% poor, 24% fair, 53% good, 13% excellent. Hay crop 2% very poor, 6% poor, 25% fair, 50% good, 17% excellent.

LOUISIANA: Days suitable for fieldwork 6.9. Soil moisture 34% very short, 49% short, 17% adequate. Corn 7% very poor, 7% poor, 21% fair, 64% good, 1% excellent; 98% dough stage, 99% 1999, 96% avg.; 77% mature, 55% 1999, 48% avg.; 10% harvested, 2% 1999, 3% avg. Early varieties of corn were being harvested. Hay 100% 1st cutting, 100% 1999, 99% avg.; 60% final cutting, 19% 1999, 33% avg. Hay producers continued to harvest. Peaches 93% harvested, 99% 1999, 88% avg. Rice 42% ripe, 28% 1999, 19% avg.; 22% harvested, 14% 1999, 7% avg. Rice growers were harvesting early varieties. Sorghum 18% ripe, 1% 1999, 2% avg. Sugarcane 1% very poor, 10% poor, 33% fair, 45% good, 11% excellent. Some sugarcane was knocked down from severe winds. Livestock 1% very poor, 9% poor, 41% fair, 40% good, 9% excellent. Vegetables 5% very poor, 23% poor, 48% fair, 23% good, 1% excellent.

MARYLAND: Days suitable for fieldwork 4.4. Topsoil 2% short, 81% adequate, 17% surplus. Subsoil moisture 1% very short, 3% short, 91% adequate, 5% surplus. Cucumbers 52% harvested, 46% 1999, 44% avg. Lima beans 25% harvested, 9% 1999, 6% avg. Snap Beans 36% harvested 38% 1999, and 39% avg. Soybeans 29% bloomed, 37% 1999, 26% avg.; 12% setting pods, 14% 1999, 8% avg. Sorghum 5% poor, 5% fair, 48% good, 42% excellent, 25% headed, 17% 1999, 13% avg. Tobacco 11% poor, 13% fair, 49% good, 27% excellent; 59% bloomed, 39% 1999, 39% avg. Field corn 62% silked, 65% 1999, 55% avg.; 19% dough, 19% 1999, 12% avg. Sweet corn 33% harvested, 35% 1999, 31% avg. Potatoes 72% harvested, 54% 1999, 47% avg. Pasture feed 1% very poor, 2% poor, 8% fair, 69% good, 20% excellent. Corn 1% very poor, 1% poor, 7% fair, 50% good, 41% excellent. Soybean 2% very poor, 2% poor, 12% fair, 47% good,

37% excellent. Apple 2% very poor, 15% fair, 63% good, 20% excellent. Peach 12% fair, 66% good, 22% excellent; 18% harvested, 21% 1999, 18% avg. Cantaloupe 29% harvested, 31% 1999, 34% avg. Watermelons 13% harvested, 15% 1999, 16% avg. Tomatoes 21% harvested, 26% 1999, 20% avg. All hay supplies 1% very short, 2% short, 80% adequate, 17% Surplus. Percent of cutting hay crop harvest; 2nd cutting clover and other hays 62% cut, 77% 1999, 62% avg.; 3rd cutting 14% cut, 34% 1999, 17% avg.; 2nd cutting alfalfa 84% cut, 98% 1999, 88% avg 3rd cutting 26% cut, 29% 1999, 20% avg. Activities: Harvesting of hay has been delayed due to rain, some damage to tobacco being reported in Southern State due to hail.

MICHIGAN: Days suitable for fieldwork 6.0. Topsoil 7% very short, 35% short, 56% adequate, 2% surplus. Subsoil 4% very short, 34% short, 61% adequate, 1% surplus. All Hay % very poor, 6% poor, 25% fair, 48% good, 20% excellent. Winter Wheat 1% very poor, 1% poor, 16% fair, 56% good, 26% excellent. All Hay 1st cutting 98% avg. All Hay 2nd cutting 37%, 53% 1999, 50% avg. Corn Height 50 inches, 1999, -- avg rage. Soybeans 12% blooming, 45% 1999, 28% avg. Oats 76% turning yellow, 88% 1999, 65% avg. Cool, dry weather predominated last week. Second week without significant rainfall for many parts of State. Crops behind 5 year average most areas of State. Reports of higher than normal insect populations some fields. First, second cuttings of alfalfa have been of excellent quality. Growing degree days (GDD) dropped below average across State except eastern Upper Peninsula, northeastern Lower Peninsula, western Lower Peninsula which remain slightly above average. Precipitation totals remain below average for Upper Peninsula, northern Lower Peninsula, despite dry spell, above average for remainder of State. Pleasant weather allowed for excellent week of field work, but cool temperatures slowed most crops' progress. Corn looking good overall. Younger corn growth slowed with lower temperatures, drying topsoil. European corn borer damage extensive some fields. Some concerns reported about Japanese beetles present in soybean fields. Soybeans still behind 1999. Wheat harvest nearing three-quarters complete. Potato leafhopper numbers above threshold alfalfa regrowth. Sugarbeets continued to look very good with spraying continuing for Cercospora Leafspot. Oats being harvested with very good yields. Cabbage continued large volume with good quality. Potatoes looking good despite lack of rain. Sweet corn harvest picking up steam despite cool nights. Tomatoes for fresh market being harvested on a limited basis. Peppers growing well with harvest set to begin. Cucumbers continued to grow well, blossoming, setting fruit. Summer squash, zucchini, snap bean harvests continued. Winter squash development behind due to below normal temperatures. Onions continued size with many over 2 inches early fields Grand Rapids area. Carrot harvest underway Southeast, Southwest. Pea harvest beginning to wind down. Celery harvest continued to progress. Apples ranged from 1.75 to 2.0 inches diameter. Tart cherry harvest winding down West Central, continued Northwest. Sweet cherry harvest completed West Central, winding down Northwest. Harvest of early peach varieties continued Southwest, West Central. Blueberry harvest full swing. Pears ranged from 2.0 to 2.5 inches diameter.

MINNESOTA: Days suitable for fieldwork 5.4. Topsoil 0% very short, 10% short, 84% adequate, 6% surplus. Spring Wheat 79% turning ripe, 46% 1999, 40% avg. Oats 78% turning ripe, 70% 1999, 63% avg. Barley 81% turning ripe, 41% 1999, 37% avg. Corn 70 in. height, 63 in. 1999, 64 in. avg.; 4% milking, 4% 1999, 4% avg. Soybeans 23 in. height, 18 in. 1999, 20 in. avg. Rye 17% harvested, 12% 1999, 20% avg. Sweet corn 2% harvested, 1% 1999, 2% avg. Pasture feed 0% very poor, 3% poor, 23% fair, 62% good, 12% excellent. Dry beans 8% very poor, 13% poor, 36% fair, 36% good, 7% excellent. Potatoes 2% very poor, 4% poor, 23% fair, 48% good, 23% excellent. Sunflowers 3% very poor, 8% poor, 23% fair, 57% good, 9% excellent. Canola 2% very poor, 5% poor, 20% fair, 44% good, 29% excellent. Sugarbeets 1% very poor, 4% poor, 18% fair, 51% good, 26% excellent. The majority of the state received less than half an inch of rain during the week and temperatures averaged 9^o below normal statewide. The dryer weather was favorable for the harvesting of hay. As corn is tasseling, soybeans are blooming over much of their

acreage, the cooler temperatures are favorable for successful pollination.

MISSISSIPPI: Days suitable for fieldwork 6.2. Soil moisture 35% very short, 46% short, 18% adequate, 1% surplus. Corn 70% dent, 66% 1999, 55% avg.; 23% mature, 9% 1999 8% avg.; 6% very poor, 19% poor, 31% fair, 33% good, 11% excellent. Cotton 3% very poor 9% poor, 32% fair, 46% good, 10% excellent. Rice 1% very poor, 4% poor, 25% fair, 55% good, 15% excellent. Sorghum 1% very poor, 10% poor, 29% fair, 55% good, 5% excellent. Soybeans 5% very poor, 12% poor, 33% fair, 39% good, 11% excellent. Sweetpotatoes 6% very poor, 15% poor, 30% fair, 40% good, 9% excellent. Watermelons 64% harvested, 66% 1999, 62% avg.; 8% very poor, 21% poor, 34% fair, 36% good, 1% excellent. Hay (warm-season) 58% harvested, 68% 1999, 67% avg. Cattle, 4% very poor, 11% poor, 42% fair, 39% good, 4% excellent. Pasture 24% very poor, 32% poor, 26% fair, 17% good, 1% excellent.

MISSOURI: Days suitable for fieldwork of 5.1. Topsoil 8% very short, 22% short, 68% adequate, 2% surplus. Subsoil moisture improved slightly to 13% very short, 39% short, 48% adequate, 2% surplus. The weekly precipitation averaged 1.01 inches. Cooler temperatures, rain throughout the State was beneficial to conditions, development. 2nd alfalfa hay 95% cut, compared with 86% in 1999, 80% avg. Other hay cut 94%, 87% in 1999, 86% avg. Cotton 93% setting bolls, compared to 94% 1999, 74% normal. Pasture feeds 8% very poor, 12% poor, 42% fair, 35% good, 3% excellent.

MONTANA: Days suitable for fieldwork 6.6. Topsoil 35% very short, 40% short, 24% adequate, 1% surplus. Subsoil moisture 43% very short, 39% short, 18% adequate, 0% surplus. Oats 94% headed, 90% 1999, 90% avg.; 44% turning, 18% 1999, 26% avg.; 9% ripe, 2% 1999, 4% avg.; 5% very poor, 13% poor, 27% fair, 47% good, 8% excellent. Corn 0% very poor, 5% poor, 43% fair, 44% good, 8% excellent. Dry beans 0% very poor, 2% poor, 53% fair, 42% good, 3% excellent. Potatoes 0% very poor, 0% poor, 15% fair, 39% good, 46% excellent. Sugar beets 0% very poor, 11% poor, 31% fair, 41% good, 17% excellent. Barley 51% turning, 37% 1999, 31% avg. Barley 8% ripe, 3% 1999, 2% avg. Spring wheat 51% turning, 22% 1999, 28% avg. Spring wheat 8% ripe, 1% 1999, 1% avg. Winter 67% wheat ripe, 43% 1999, 21% avg.; 11% very poor, 28% poor, 30% fair, 26% good, 5% excellent. Alfalfa hay 1st cutting 94%, 91% 1999, 89% avg. Alfalfa hay 2nd cutting 9%, 7% 1999, 6% avg. Other hay 1st cutting 73%, 74% 1999, 67% avg. Isolated incidents of hail continue to damage crops across the state. The state's winter wheat crop is ripening quickly, is beginning to be harvested. With 17% of the crop harvested, agents report that yields are mixed. The North Central, Northeast regions report normal yields, while yields in the Central region are expected to be lower. Hay supplies are becoming a concern in the Central part of the state. The decrease in hay production due to drought this year has been slightly offset by drought-damaged wheat going to hay. However, livestock producers are still facing a shortage, are looking out-of-state and into Canada for supplies. Many State ranchers are still dealing with shortages of range, pasture feed, livestock water. The emergency grazing of CRP lands in Central State has helped with the shortage. Livestock are reported to be in good condition around the state, but more moisture is needed in the western half of the state to rejuvenate grasses, recharge water supplies.

NEBRASKA: Days suitable for fieldwork 5.8. Topsoil, Subsoil moisture supplies were rated mostly very short to short. Temperatures for the week averaged 4 to 9 ° below normals. Precipitation occurred across State, ranging from traces to over 2.0 inches. Corn 9% very poor, 15% poor, 26% fair, 37% good, 13% excellent; 72% silked, 61% 1999, 48% avg.; 8% in dough, 3% 1999, 1% avg. Soybeans 9% very poor, 15% poor, 30% fair, 33% good, 13% excellent; 77% bloomed, 65% 1999, 54% avg.; 27% setting pods, 12% 1999, 7% avg. Sorghum 8% very poor, 15% poor, 33% fair, 33% good, 11% excellent; 22% headed, 9% 1999, 5% avg. Winter Wheat 97% harvested, 87% 1999, 72% avg. Oats harvested for grain 78%, 55% 1999, 49% avg. Dry beans 73% bloomed, 52% 1999, 39% avg.

Alfalfa 2nd cutting 95% harvested, 84% 1999, 73% avg.; 3rd cutting underway; 18% very poor, 30% poor, 30% fair, 20% good, 2% excellent. Wild hay 21% very poor, 30% poor, 30% fair, 15% good, 4% excellent. Pasture, range 38% very poor, 34% poor, 21% fair, 7% good. Some cattle moved off pastures, others receiving supplemental feed. Other producer activities included: Moving grain to market, irrigating, harvesting native hay, livestock care.

NEVADA: Temperatures continued to average near normal. Very few thunderstorms passed through the State early in the week, leaving most locations with no rainfall. Seasonal drying, deterioration of rangelands accelerated. Stream flows continued to decline. Irrigation water supplies short in some areas. Crop condition ratings remain generally good. Good progress was made on the 2nd cutting of alfalfa hay; 3rd cutting getting underway. Insect control necessary in some alfalfa fields. Timothy, grass hay harvesting well along. Wheat, barley, oats turning color. Grain hay harvest complete. Lygus a problem in the Lovelock area. Corn growing well under the hot summer weather. Garlic harvest began. Garlic being shipped in from State for dehydration. Potatoes growing well. Some livestock movement done for range management. Lack of water forcing movement of cattle from some ranges. Cattle marketing active. Main farm, ranch activities: Alfalfa, other hay harvests, irrigation, pest, weed control, livestock contracting.

NEW ENGLAND: Days suitable for fieldwork: 6.0. Topsoil 3% very short, 6% short, 80% adequate, 11% surplus. Subsoil moisture 1% very short, 5% short, 85% adequate, 9% surplus. Pasture feed 1% very poor, 4% poor, 21% fair, 47% good, 27% excellent. Maine potatoes: condition good. Rhode Island potatoes: condition good to fair. Massachusetts potatoes 5% harvested, 0% 1999, 0% avg.; condition good to fair. Oats in Maine: condition good to excellent. Barley in Maine: condition good to excellent. Silage corn 100% emerged, 100% 1999, 100% avg.; condition good to fair. Sweet corn 95% emerged, 100% 1999, 100% avg.; 15% harvested, 20% 1999, 10% avg.; condition good to fair. Shade tobacco 10% harvested, 25% 1999, 20% avg.; condition fair to good. Broadleaf tobacco: condition fair to good. First crop hay 90% harvested, 95% 1999, 95% avg.; condition good to fair. 2nd crop hay 30% harvested, 40% 1999, 30% avg.; condition good to excellent. 3rd crop hay 5% harvested, none 1999, none avg; condition fair to good. Apples: fruit size avg to below avg, condition good to fair. Peaches 5% harvested, 10% 1999, 0% avg, fruit size avg, condition good to fair. Pears fruit size avg, condition fair to good. Strawberries 95% harvested, 100% 1999, 100% avg; fruit size avg to below avg, condition good to fair. Cranberries: condition good. Highbush blueberries 20% harvested, 20% 1999, 20% avg; fruit size avg to above avg, condition good to excellent. Wild Blueberries in Maine: fruit size avg to above avg, condition good to excellent. Cool weather conditions continue to slow crop growth. Major farm activities included: Picking sweet corn, green beans, green, yellow squash, cabbage, lettuce, digging early potatoes, spraying, mowing field edges, harvesting raspberries, blueberries, cutting hay, topping broadleaf tobacco, harvesting shade tobacco, removing beehives from cranberry beds, renovating strawberry fields.

NEW JERSEY: Days suitable for field work 5.4. Topsoil 10% short, 90% adequate. Corn 76% silked, 15% fair, 32% good, 53% excellent. Soybeans 51% blooming, 31% fair, 53% good, 16% excellent. Timely showers, favorable growing conditions improved row crop conditions in most localities. Sweet corn harvest continued, with overall condition of the crop rated as good. Fresh market tomatoes were rated as mostly good to excellent, with some producers preparing to begin harvest of early planted fields. Early variety peach harvest continued, with overall crop condition rated as good. Disease pressure increased in some squash, cucumber fields.

NEW MEXICO: Days suitable for field work 6.9. Topsoil 25% very short, 50% short. Hit, miss afternoon, evening thunderstorms produced some measurable rainfall at about two-thirds of the reporting stations this past week. However, most of the totals reported were less than an inch. The only locations that managed to collect at least

an inch were Des Moines/Capulin, Chama. Temperatures were a little above average at most places, with a statewide average 2° above normal. The mercury hit 100° at most lower elevation stations in the south, east. 25% adequate. Farmers continued harvesting alfalfa, onions, started digging potatoes last week. Onions remained in fair to excellent condition during the week, with 85% of the crop harvested. The corn crop was in fair to excellent condition, with 88% tasseling, 60% doughing. The alfalfa condition continued to improve over the week with the 2nd cutting 97%, 3rd cutting 86%. The cotton condition remained in mostly fair to good condition, with boll setting increasing to 95%. There was less need for supplemental feeding of livestock across the state, but some areas are still in desperate need of rain. Cattle, sheep conditions improved slightly from last week. Pasture, range feed 12% very poor, 38% poor, 34% fair, 15% good, 1% excellent, a slight decline from last week.

NEW YORK: Days suitable: 4.6. Soil moisture 66% adequate, 34% surplus. Pasture feed 10% fair, 79% good, 11% excellent. Hay 4% poor, 14% fair, 59% good, 23% excellent. First cut alfalfa 92%, 100% 1999, 98% avg. Clo-tim 84% harvested, 94% 1999, 98% avg. Oats 92% good, 8% excellent. Wheat 7% poor, 20% fair, 67% good, 6% excellent. Yields are good but sprouting is evident. Corn crop condition, development varies depending on planting date, soil type. Soybeans growing slowly. Dry bean planting finishing up. Good stands but a lot of leafhopper pressure. Vegetable plantings complete, total acreage well below 1999. Condition of apple crop varies widely across the state. Hail damage evident in Hudson Valley. Lake Erie grapes, mostly Concord, in good condition. Average crop expected.

NORTH CAROLINA: Days suitable for field work 6.0. The 3rd week of July brought a continuation of comfortable summer temperatures with most of the State receiving light showers. Despite the rain, statewide soil moisture continued to deteriorate with conditions currently rated at 11% very short, 28% short, 57% adequate, 4% surplus. Several counties in the Coastal Plain received scattered hail, with Lenoir reporting hail up to the size of a tennis ball damaging approximately 4,000 acres of tobacco, corn, soybeans, cotton. Crop progress for corn, cotton, tobacco continues to be ahead of 1999, the 5 year avg. Some activities for the week included: Irrigation, spraying for blue mold, topping, harvesting tobacco, feeding livestock in areas with declining pasture conditions.

NORTH DAKOTA: Days suitable for fieldwork was 6. Topsoil 1% very short, 10% short, 81% adequate, 8% surplus. Subsoil moisture 3% very short, 12% short, 76% adequate, 9% surplus. A week of dry conditions across much of the state pushed the development of all crops. Crop development for durum wheat 88% heading, 41% 1999, 66% avg.; 53% milk, 18% 1999, 26% avg.; 14% turning, 2% 1999, 6% avg. Canola 43% turning, 15% 1999. Dry beans development 91% blooming, 62% 1999, 62% avg.; 27% podding, 12% 1999, 17% avg. Flaxseed 91% blooming, 72% 1999, 63% avg.; 9% turning, 2% 1999, 3% avg. Potatoes 94% blooming, 77% 1999, 83% avg.; 76% rows filled, 70% 1999, 61% avg. Crop durum wheat 2% very poor, 4% poor, 21% fair, 61% good, 12% excellent. Canola 3% very poor, 5% poor, 18% fair, 55% good, 19% excellent. Dry beans 10% very poor, 13% poor, 23% fair, 47% good, 7% excellent. Pasture, range 3% very poor, 5% poor, 20% fair, 64% good, 8% excellent. Stockwater supplies 1% very short, 7% short, 85% adequate, 7% surplus. Hay 77% of normal. Alfalfa 1st, 2nd cutting 94%, 28% complete, respectively, while all other hay 64% complete.

OHIO: Days suitable for fieldwork, 4.6 days. Topsoil 0% very short, 7% short, 80% adequate, 13% surplus. Summer apples 36% harvested; 47% 1999. Alfalfa hay 2nd cutting 72%; 91% 1999; 66% avg.; 3rd cutting 8%; 14 1999; 5% avg. Corn 63% silked; 71% 1999; 34% avg. Oats 73% ripe; 94% 1999, 24% harvested; 52% 1999; 24% avg. Other hay 1st cutting 98%; 100% 1999; 100% avg.; 2nd cutting 39%; 67% 1999, 43% avg. Peaches 26% harvested; 24% 1999. Soybeans 70% blooming; 85% 1999, 57% avg.; 23% setting pods; 26% 1999; 13 avg. Tobacco 8% topped; 4% 1999. Winter wheat 99% harvested, 99% 1999, 86% avg. Corn 2% very poor, 6% poor,

18% fair, 46% good, 28% excellent. Hay 3% very poor, 4% poor, 24% fair, 55% good, 14% excellent. Oats 0% very poor, 4% poor, 30% fair, 54% good, 12% excellent. Pasture 1% very poor, 3% poor, 26% fair, 55% good, 15% excellent. Soybeans 4% very poor, 10% poor, 28% fair, 45% good, 13% excellent. Activities for the week included: Baling hay, straw; chopping silage; harvesting wheat, oats; spraying weeds; applying nitrogen to corn; spraying soybeans; waterway construction, preparation; mowing weeds, pastures; hauling grain, manure; repairing buildings, equipment; picking fresh market vegetables; preparing for county fairs. Reported weed pressures included yellow sweet clover, smartweed, milkweed, barnyard grass, poison ivy, broadleaf, Canadian thistle, ragweed, foxtail, hemp dogbane, velvet leaf, multiflora rose, johnson grass. Reported insects were black cutworms, European corn borer in corn, bean leaf beetles, Japanese beetles, slugs, seed maggots, plant fleas, potato leaf hoppers. Reported diseases were rust, powdery mildew, head scab, glume blotch, blight in fruit, vegetables, leaf spot root rot in soybeans. The Northwest, North Central regions were offered some relief from wet weather last week. Producers took advantage of the nice weather to harvest wheat, bale hay, straw. Some beans turning yellow due to excess moisture. Reports of hail damage to corn, soybean fields in several counties in northern, eastern districts. Fruit, vegetable crops were reported in mostly good condition. Growers in the Northwest were busy harvesting tomatoes, squash, zucchini, cabbage, pickles. Lodi, Jersey Mac apples being harvested. Meanwhile, producers in the Southwest, South Central districts were harvesting sweet corn, tomatoes, blueberries, cabbage, beans, potatoes.

OKLAHOMA: Days suitable for fieldwork 5.5. Topsoil 6% very short, 22% short, 70% adequate, 2% surplus. Subsoil moisture 4% very short, 18% short, 77% adequate, 1% surplus. Wheat 88% plowed, 79% last week, 77% 1999, 79% avg. Oats 83% plowed, 69% last week, 78% 1999, 73% avg. Corn 1% poor, 7% fair, 87% good, 5% excellent, 83% silking, 55% last week, 59% 1999, 70% avg.; 25% dough, 23% last week, 13% 1999, 21% avg.; 6% mature, 4% last week, 0% 1999, 1% avg. Sorghum 99% emerged, 93% last week, 98% 1999, 97% avg. Soybeans 12% poor, 20% fair, 62% good, 6% excellent, 98% emerged, 92% last week, 84% 1999, 93% avg.; 51% blooming, 29% last week, 29% 1999, 47% avg.; 24% setting pods, 10% last week, 11% 1999, 19% avg. Peanuts 44% setting pods, 30% last week, 30% 1999, 43% avg. Alfalfa Hay 1% very poor, 3% poor, 21% fair, 64% good, 11% excellent, 97% 2nd cutting, 95% last week, 96% 1999, 98% avg.; 58% 3rd cutting, 37% last week, 52% 1999, 46% avg. Other Hay 2% poor, 21% fair, 61% good, 16% excellent; 93% 1st cutting, 87% last week, 89% 1999, 89% avg.; 39% 2nd cutting, 24% last week, 27% 1999, 23% avg. Watermelons 99% setting fruit, 98% last week, 95% 1999, 92% avg.; 98% harvested, 25% last week, 24% 1999, 24% avg. Livestock 1% poor, 10% fair, 73% good, 16% excellent; Cattle marketings avg. Feeder steer, heifer prices \$1 to \$2 per cwt. higher than a week ago.

OREGON: Days suitable for fieldwork 7. Topsoil 28% very short, 53% short, 19% adequate. Subsoil 8% very short, 64% short, 28% adequate. Barley 12% harvested, 6% 1999, 10% avg.; 4% poor, 26% fair, 49% good, 21% excellent. Winter wheat 21% harvested, 16% 1999, 12% avg.; 27% fair, 60% good, 13% excellent. Range, pasture 2% very poor, 3% poor, 25% fair, 54% good, 16% excellent. Activities: On east side of state wheat harvest well underway. Winter wheat mostly in good conditions, yields coming in at avg or slightly above avg. Barley harvest also underway. Mint harvest winding down. Third cutting of hay underway, grass seed harvest continued. In Klamath basin 2nd cutting of alfalfa underway. Early grains have turned, late plantings headed. Sugarbeet rows closed. In central state garlic fields look good. On west side of state winter wheat, oats ripening. Grass seed harvest continued in Willamette Valley. Crimson clover seed harvested. In Rogue River Valley small grains ripening, harvest had started. Haying continued. Nurseries, greenhouses are continuing with summer maintenance, irrigation. Easter lily growers scouting for aphid infestations, especially green peach aphid. Iris are starting to be harvested for fall shipping in mid-Willamette Valley. In eastern areas of state potatoes are growing fast, blooming, Umatilla, Morrow counties harvesting. Klamath County reported potato rows 90%

closed, 95% flowering, sugarbeet rows almost all closed. In Willamette Valley, onions are sizing, sweet corn from four leaf stage to ear silking. Green bean harvest underway, salad vegetables are in good supply. Beets, carrots, kale, radishes available in farmers markets in Valley. Rogue River Valley reported sweet corn, some early tomatoes just about ready. Onions are sizing, should be ready soon. New potatoes, green beans, squash, cucumbers, beets, corn being advertised as ready. Sweet cherry harvest in Mid-Columbia winding down. Harvest continues in Union county. In Willamette Valley, late sweet cherry varieties being picked. Raspberry picking neared completion. Blueberry, Marion berry harvest continued. Hazelnuts about full size. Nut growers continued spraying, began orchard floor preparation. In southern state, apples, pears, grapes all sizing nicely. In Coos, Curry counties, cranberries sizing, but are still green. Livestock condition remains mostly good to excellent. Most animals have been moved off lower elevation nonirrigated ranges in Jackson county. Lincoln county doing range maintenance. Some supplemental feeding has begun in Clackamas county. Ranges, pastures drying out quickly across state unless they are under irrigation. Many range fires in Malheur county burned 82,000 acres.

PENNSYLVANIA: Days suitable for field work 4.7. Soil moisture 9% short, 77% adequate, 14% surplus. Corn 52% silk, 52% 1999, 38% avg.; 20% dough, 14% 1999, 3% avg. Corn height 65 in., 55 in. 1999, 54 in. avg.; 2% poor, 14% fair, 52% good, 32% excellent. Soybean 1% very poor, 4% poor, 18% fair, 61% good, 16% excellent. Wheat 94% ripe, 95% 1999, 94% avg.; 83% harvested, 86% 1999, 76% avg. Apples 5% harvested, 4% 1999, 2% avg.; 4% very poor, 9% poor, 18% fair, 51% good, 18% excellent. Peaches 17% harvested, 13% 1999, 9% avg.; 8% poor, 21% fair, 55% good, 16% excellent. Alfalfa 2nd 59% cutting 77% 1999, 64% avg. Timothy clover 1st 87% cutting, 96% 1999, 93% avg. Timothy clover 2nd cutting 19%, 28% 1999, 21% avg. Quality of hay made 1% very poor, 12% poor, 45% fair, 39% good, 3% excellent. Activities include: Harvesting barley, oats, winter wheat, apples, peaches, vegetables; fixing fences; machinery maintenance; spreading lime, fertilizers; repairing buildings; hauling, spreading manure; caring for livestock; baling straw; making hay, haylage; spraying crops.

SOUTH CAROLINA: Days suitable for field work 6.1. Soil moisture 18% very short, 45% short, 36% adequate, 1% surplus. Apples 4% poor, 89% fair, 7% good. Cantaloups 91% harvested, 92% 1999, 91% avg. Corn 86% doughed, 68% 1999, 81% avg.; 40% matured, 18% 1999, 32% avg.; 6% harvested, 4% 1999, 4% avg.; 20% very poor, 36% poor, 26% fair, 18% good. Cotton 94% squared, 92% 1999, 95% avg.; 44% bolls set, 29% 1999, 52% avg.; 3% very poor, 11% poor, 38% fair, 47% good, 1% excellent. Hay 70% harvested, NA 1999, NA avg; 13% very poor, 32% poor, 37% fair, 18% good. Livestock 1% very poor, 10% poor, 38% fair, 39% good, 12% excellent. Peaches 60% harvested, 61% 1999, 62% avg.; 25% fair, 47% good, 28% excellent. Peanuts 62% pegged, 69% 1999, 57% avg.; 7% very poor, 13% poor, 57% fair, 23% good. Snap beans 96% harvested, 93% 1999, 86% avg. Sorghum 65% headed, 69% 1999, 56% avg.; 35% turned color, 34% 1999, 35% avg.; 1% matured, 6% 1999, NA avg.; 25% very poor, 40% poor, 35% fair. Soybeans 100% emerged, 100% 1999, 99% avg.; 33% bloomed, 20% 1999, 26% avg.; 18% pods set, 5% 1999, 11% avg.; 8% very poor, 18% poor, 27% fair, 47% good. Sweetpotatoes 23% poor, 39% fair, 38% good. Tobacco 99% topped, 93% 1999, 96% avg.; 22% harvested, 17% 1999, 26% avg.; 1% very poor, 9% poor, 28% fair, 61% good, 1% excellent. Tomatoes 92% harvested, 100% 1999, 93% avg. Watermelons 96% harvested, 86% 1999, 89% avg.

SOUTH DAKOTA: Days suitable for field work 4.8. Topsoil 8% very short, 23% short, 64% adequate, 5% surplus. Subsoil moisture 12% very short, 23% short, 61% adequate, 4% surplus. Feed supplies 1% very short, 10% short, 78% adequate, 11% surplus. Stock water supplies 8% very short, 16% short, 70% adequate, 6% surplus. Winter Rye 1% poor, 6% fair, 54% good, 39% excellent, 77% ripe, 67% 1999, 66% avg.; 22% harvested, 10% 1999, 15% avg.; 1% very poor, 5% poor, 22% fair, 51% good, 21% excellent, 95% ripe, 92% 1999, 72% avg. Spring Wheat 92% turning color, 78% 1999, 63% avg. Spring

Wheat ripe 50%, 23% 1999, 15% avg.; 90% turning color, 67% 1999, 63% avg.; 56% ripe, 23% 1999, 16% avg. Oats 90% turning color, 75% 1999, 65% avg.; 62% ripe, 35% 1999, 29% avg. Corn 66% tassled, 38% 1999, 29% avg.; 92% cultivated twice, 89% 1999, 89% avg. Sunflower 1% poor, 20% fair, 62% good, 17% excellent, 6% blooming, 6% 1999, 10% avg. Alfalfa hay 6% very poor, 11% poor, 24% fair, 49% good, 10% excellent, 61% 2nd cutting harvested, 47% 1999, 46% avg. Other hay 79% harvested, 67% 1999, 66% avg. Range, Pasture 4% very poor, 8% poor, 22% fair, 51% good, 15% excellent. Cattle 8% fair, 70% good, 22% excellent. Sheep 1% poor, 10% fair, 63% good, 26% excellent. Cool temperatures brought much needed relief to heat stressed crops, livestock. Livestock continue to be in fair to excellent condition, but stock water supplies are becoming an increasing concern. Cool temperatures, moisture did slow down field work, small grain harvest, but harvest is ahead of the 1, 5 -year averages in all categories. Row crops also continue to be in fair to excellent condition.

TENNESSEE: Days suitable for fieldwork 6. Topsoil 9% very short, 28% short, 60% adequate, 3% surplus. Subsoil moisture 11% very short, 36% short, 52% adequate, 1% surplus. Tobacco 1% very poor, 7% poor, 33% fair, 50% good, 9% excellent. Pastures 3% very poor, 13% poor, 34% fair, 43% good, 7% excellent. Alfalfa 95% 2nd cutting, 85% 1999, 88% avg. Tobacco 34% topped, 31% 1999, 26% avg. Rain showers were widespread throughout the State this past week bringing much needed moisture. Rainfall totals, though widely variable, were especially helpful because many areas were beginning to show stress. For those areas receiving little or no rainfall last week, the dry conditions have become a concern. Tobacco farmers continued to irrigate their fields with topping, applying sucker controls being the other main field activities this past week.

TEXAS: Summary: Another hot, mostly dry week prevailed across the state. Most dryland crops were at a point where moisture was needed. Producers were irrigating in areas across the state where needed. Overall crops were in good shape but were showing signs of lack of moisture, heat stress. With record breaking temperatures most crops were progressing rapidly. Pasture growth was slowed due to the lack of moisture, heat stress. Field activities: Consisted of plowing weeds, field preparation, spraying weeds, irrigating, baling hay, moving cattle to other ungrazed pastures. Weeds, insects were a concern, were dealt with in most crop fields, pastures across the state. Field Crops: Small Grains: Small grain harvest was completed for most of the state with only a few fields remaining unharvested. Field preparation had begun for wheat seeding with early August planting dates in mind. Corn progressed well in most areas. Maturing fields neared harvest while other fields were irrigated to keep up development in the major corn areas of the state. Corn borers were being treated. Spider mites increased in some areas. Harvest continued in southern areas. Harvest of corn silage began in the Blacklands. Statewide corn 80% of normal compared with 89% 1999. Cotton continued to make good progress statewide, but moisture, heat stress over the past week caused a decline in condition for some areas of the state. In the Plains most fields were at peak bloom, fruiting well. Some spraying was required for beet armyworms with other insect pressures in some areas of the state. Statewide cotton 73% normal compared with 68% 1999. Harvest began on some early planted fields in South Central, Upper Coastal areas. Heading continued with most fields needing more time to dry down. Statewide rice 92% compared with 97% 1999. Sorghum: Planting ended across the Plains with early fields starting to head. Also in the Plains early planted fields were at the bloom stage, but midge scouting will be critical in the month of August. Harvesting continued in central, southern areas under good dry conditions. Statewide sorghum at 73% compared with 81% 1999. Peanuts continued to progress well statewide. Most fields were pegging or had pegged, were beginning to set pods in Plains. Producers applied fungicides for leaf spot in some areas. Irrigated peanuts were doing quite well, but dryland peanuts were suffering from weather conditions. Statewide peanut 82% compared with 86% 1999. Soybeans: Irrigated soybeans progressed well, but dryland soybeans have suffered across the state due to heat stress, lack of rain. Harvest began in South Central, Southern areas of the state. Commercial Vegetables, Fruit, Pecans In the Rio Grande Valley preparation for fall planting began. Acreage has decreased due to water allotments.

Watermelon harvest continued. In the San Antonio-Winter Garden area harvests of cucumbers, squash, peppers began. Some planting for fall vegetables also began. In East State harvests of blueberries, watermelons neared completion. Sweet potatoes were looking good. Plant diseases decreased some with heat stress taking their places. Grasshopper problems, drought were taking a toll on all vegetables. In the High Plains vegetable progression remained constant, producers continued to plant peas, watermelons. Peaches: Harvest was completed in most areas across the Plains, but grasshoppers were attacking orchards. The peaches that remained were small, of poor quality. Pecans were stressed, with heat, the lack of moisture being the major factors. Trees were producing nuts in spite of the conditions, but nut set was light to moderate. Dryland orchards were suffering without rain. Irrigated pecans were making normal progress. Range, Livestock Moisture was needed for relief of livestock, rangeland conditions across the state. Pastures and ranges were very dry except where isolated rain showers had occurred. Supplemental feeding continued, some stocker movement began. Calves that were born in the heat were showing signs of stress

UTAH: Days suitable for field work 7. Topsoil 34% very short, 39% short, 27% adequate. Subsoil moisture 32% very short, 35% short, 33% adequate. Pasture, range 9% very poor, 32% poor, 40% fair, 19% good. Alfalfa hay 2nd cutting 70%, 48% 1999, 41% avg. Other hay cut 84%, 73% 1999, 65% avg. Corn height 53 inches, 53 inches 1999, 47 inches avg. Corn tasseled (silked) 19%, 7% 1999, 9% avg. Winter wheat 27% harvested, 22% 1999, 21% avg. Winter wheat 26% poor, 35% fair, 39% good. Spring wheat 14% harvested, 2% 1999, 7% avg.; 8% poor, 42% fair, 46% good, 4% excellent. Barley harvested (grain) 24%, 4% 1999, 11% avg.; 17% poor, 49% fair, 34% good. Oats 88% headed, 86% 1999, 82% avg.; 68% harvested for hay or silage, 61% 1999, 54% avg. Apricots 76% harvested, 94% 1999, 46% avg. Tart cherries 37% picked, 18% 1999, 36% avg. Irrigation water supplies 19% very short, 38% short, 43% adequate. Stock water supplies 7% very short, 34% short, 59% adequate. Major farm, ranch activities included: Harvesting wheat, oats, barley, apricots, tart cherries, alfalfa, irrigating crops. Due to water shortage, irrigation for crops is limited. Range, forest grazing land is very dry due to lack of rain. Dry hot conditions expected to continue.

VIRGINIA: Days suitable for fieldwork 4.8. Topsoil 6% short, 81% adequate, 13% surplus. Subsoil moisture 3% very short, 13% short, 78% adequate, 6% surplus. Pastures 1% very poor, 2% poor, 17% fair, 67% good, 13% excellent. Livestock 1% poor, 8% fair, 79% good, 12% excellent. Other Hay 3% poor, 17% fair, 65% good, 15% excellent. Alfalfa Hay 1% poor, 10% fair, 58% good, 31% excellent. Corn for Grain 1% poor, 8% fair, 57% good, 34% excellent, 77% Silked, 66% 1999, 57% 5-yr avg.; 36% dough, 21% 1999, 19% 5-yr avg.; 3% dent, NA 1999, NA 5-yr avg. Soybeans 2% poor, 14% fair, 60% good, 24% excellent, 98% planted, 96% 1999, 98% 5-yr avg.; 96% emerged, 90% 1999, NA 5-yr avg.; 22% blooming, 10% 1999, 15% 5-yr avg.; 12% setting pods, NA 1999, NA 5-yr avg. Winter Wheat 97% harvested, 97% 1999, 96% 5-yr avg. Barley 100% harvested, 99% 1999, 99% 5-yr avg. Flue-cured tobacco 10% fair, 50% good, 40% excellent. Burley tobacco 4% poor, 27% fair, 52% good, 17% excellent. Dark Fire-cured tobacco 3% fair, 61% good, 36% excellent. Sun tobacco 1% fair, 99% good. Peanuts 11% fair, 68% good, 21% excellent. Peanuts 46% pegged, 89% 1999, 78% 5-yr avg. Cotton 1% poor, 17% fair, 69% good, 13% excellent, 88% squaring, 95% 1999, 96% 5-yr avg.; 19% setting bolls, 26% 1999, 69% 5-yr avg. Summer Potatoes 2% very poor, 1% poor, 24% fair, 57% good, 16% excellent, 78% harvested, 63% 1999, 58% 5-yr avg. Apples 33% fair, 57% good, 10% excellent. Summer apples 50% harvested, NA 1999, 7% 5-yr avg. Peaches 22% very poor, 13% fair, 54% good, 11% excellent. Peaches 33% harvested, 23% 1999, 17% 5-yr avg. Scattered rains throughout the Commonwealth last week have improved the topsoil moisture level from the week before. Moderate temperatures, adequate moisture continues to provide excellent growing conditions. Reports of blue mold spreading in burley tobacco, however all other tobacco types look good. Tobacco harvest has commenced, topping is in full swing. Harvest of vegetables well underway despite rains last week. Other activities for the week included: Applying herbicides for weed control, cutting hay, scouting for corn earworms, disease in peanuts, cotton.

WASHINGTON: Days suitable for fieldwork 7.0. Topsoil 2% very short, 37% short, 61% adequate. Subsoil moisture 57% short, 43%

adequate. Winter wheat dryland 5% poor, 16% fair, 61% good, 18% excellent; irrigated 100% good, 11% harvested, 6% 1999, 8% avg.; Winter wheat conditions were good with harvest taking place in most of the wheat dominate counties. Spring wheat dryland 11% poor, 35% fair, 47% good, 7% excellent; irrigated, 100% good. Harvested 1%, 1% 1999, 1% avg. Barley dryland 10% poor, 37% fair, 43% good, 10% excellent; irrigated 100% good, 5% Harvested, 4% 1999, 3% avg. Spring cereal crops continue to ripen with the harvest of both barley, spring wheat just beginning. Potatoes 2% fair, 95% good, and 3% excellent. Potatoes, harvested 10%, 6% 1999, 6% avg. Alfalfa hay, 2nd cutting 91%, 99% 1999, 80% avg.; 3rd cutting 7%, 9% 1999, 2% avg. Hay, roughage 76% adequate, 24% surplus. Range, Pasture 24% poor, 47% fair, 29% good. The potato condition looked to be doing well with harvest of early potatoes underway. Some late blight was reported in western state, but was quickly brought under control. The 2nd cutting of alfalfa was almost complete with the third starting. Corn silage continued to grow well. The canola harvest was nearly complete. Blueberry, raspberry, other soft berries continued to be harvested as well as peaches, apricots, carrots, cucumbers, mint. Throughout most of the state fire concerns were raised due to the dry conditions and warm weather.

WEST VIRGINIA: Days suitable for fieldwork 4.3. Topsoil 2% short, 88% adequate, 10% surplus. Cooler temperatures, more rainfall moved across the State improving corn, soybean, oats, livestock conditions. Pastures continue to benefit from mostly adequate moisture supplies, but hay, tobacco, wheat conditions have declined. Wheat 26% poor, 46% fair, 28% good; 71% harvested, 100% 1999, 80% 5-yr avg. Hay 1% poor, 17% fair, 62% good, 20% excellent; 2nd cut 34%, 39% 1999, 30% 5-yr avg. Corn 9% fair, 37% good, 54% excellent; 57% silked, 50% 1999, 46% 5-yr avg. Soybean 1% poor, 13% fair, 62% good, 24% excellent; 43% blooming, 55% 1999, 55% 5-yr avg. 11% setting pods, 17% 1999, 16% 5-yr avg. Oats 14% fair, 63% good, 23% excellent; 95% headed, 97% 1999; 16% harvested, 25% 1999, 36% 5-yr avg. Tobacco 13% poor, 39% fair, 45% good, 3% excellent; 10% topped, 3% 1999, 9% 5-yr avg. Apple 60% fair, 32% good, 8% excellent. Peach 59% fair, 33% good, 8% excellent. Cattle 11% fair, 68% good, 21% excellent. Sheep 4% fair, 80% good, 16% excellent.

WISCONSIN: Days suitable for fieldwork 6.1. Soil moisture 3% very short, 12% short, 78% adequate, 7% surplus. More dry, somewhat cool weather gave the crops a small push. Only light rains fell last week in most of state. More warmth, moisture is needed for corn in the tasseling stage. Frosts were reported in low areas in the North Central district. Last week provided excellent weather to harvest small grains, 2nd crop hay. 2nd cutting of hay: 71% 2000, 66% 1999, 51% 5-yr avg. 3rd crop hay is coming back quickly. Winter wheat 0% very poor, 1% poor, 13% fair, 61% good, 25% excellent. Last year's avg 45% harvested, the 5-yr avg 26%. Wheat had high straw yields but low quality due to earlier wet conditions. Pasture feed 1% very poor, 5% poor, 21% fair, 59% good, 14% excellent. Some strawberry growers have reported a 25-50% loss this season due to a late frost.

WYOMING: Days suitable for fieldwork 6.9. Topsoil 38% very short, 50% short, 12% adequate. Barley 96% headed, 83% 1999, 90% avg.; 58% turning color, 60% 1999, 64% avg.; 11% mature, 22% 1999, 14% avg. Barley 1% very poor, 5% poor, 50% fair, 39% good, 5% excellent. Oats 77% headed, 70% 1999, 80% avg.; 30% turning color, 17% 1999, 36% avg.; 3% mature, 3% 1999, 11% avg.; 10% poor, 39% fair, 42% good, 9% excellent. Spring wheat 85% headed, 78% 1999, 82% avg.; turning 51% color, 40% 1999, 46% avg.; 3% mature, 13% 1999, 14% avg.; 25% poor, 45% fair, 25% good, 5% excellent. Winter wheat 89% mature, 92% 1999, 72% avg.; 78% harvested, 42% 1999, 24% avg. Corn 50% tasseled, 61% 1999, 30% avg.; 3% poor, 16% fair, 76% good, 5% excellent. Dry beans 53% bloom, 67% 1999, 57% avg.; 12% setting pod, 13% 1999, 13% avg.; 1% good, 8% fair, 82% good, 9% excellent. Sugarbeets 1% very poor, 2% poor, 14% fair, 64% good, 19% excellent. Alfalfa 1st cutting 94%, 91% 1999, 89% avg.; 2nd cutting 12%, 8% 1999, 6% avg. Other hay 52% harvested, 45% 1999, 52% avg. Range, pasture 11% very poor, 30% poor, 46% fair, 13% good. Irrigation water supplies 25% very short, 21% short, 54% adequate. Dry conditions continue.

International Weather and Crop Summary

July 16 - 22, 2000

HIGHLIGHTS

EUROPE: After several weeks of wet weather, drier weather overspread northwestern and north-central Europe, helping winter grain maturation and harvesting.

FSU-WESTERN: Wet weather continued to slow winter wheat harvesting in western Ukraine and Belarus. Farther east, unfavorably hot, dry weather in eastern Ukraine and southern Russia stressed corn and sunflowers advancing through reproduction.

FSU-NEW LANDS: Scattered showers and cool weather maintained generally favorable growing conditions for spring grains in Kazakstan and improved conditions for crops in Western Siberia, Russia.

EASTERN ASIA: Widespread showers stabilized summer crop yield potentials in Manchuria and North Korea, while showers increased moisture supplies across southern and portions of central China.

SOUTHEAST ASIA: Scattered showers benefited rice throughout the region.

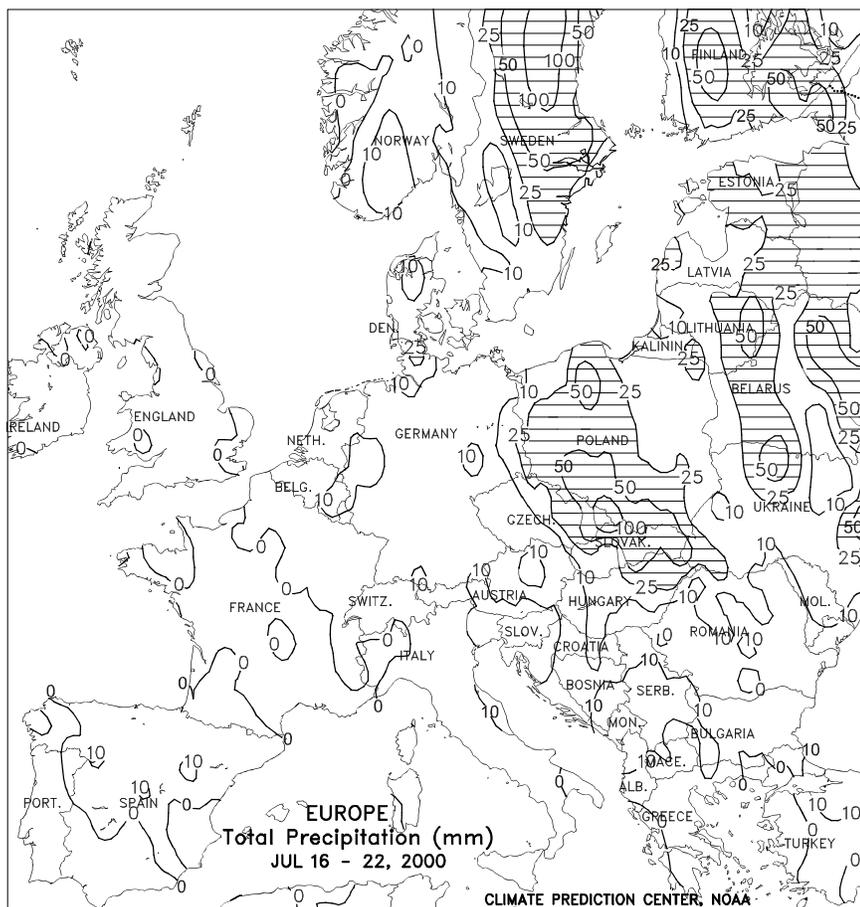
AUSTRALIA: Scattered showers continued across the winter grain belts of Western Australia and the southeast.

SOUTH AMERICA: Across the region, warmer weather prevailed after unseasonably cold weather early in the week.

SOUTH ASIA: Heavy rain and possible flooding stretched from India's soybean belt to the eastern rice region.

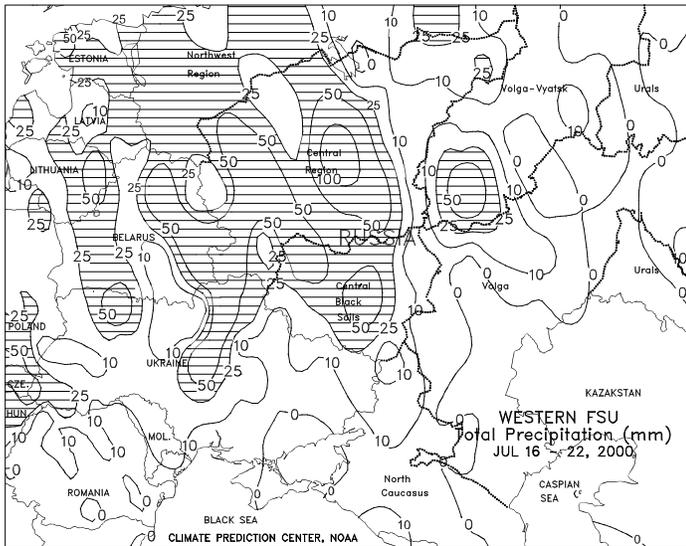
CANADA: Drier, but very cool weather covered the central and eastern Prairies, slowing crop development.

MEXICO: Unseasonably dry weather continued to stress corn across the southern plateau Corn Belt.



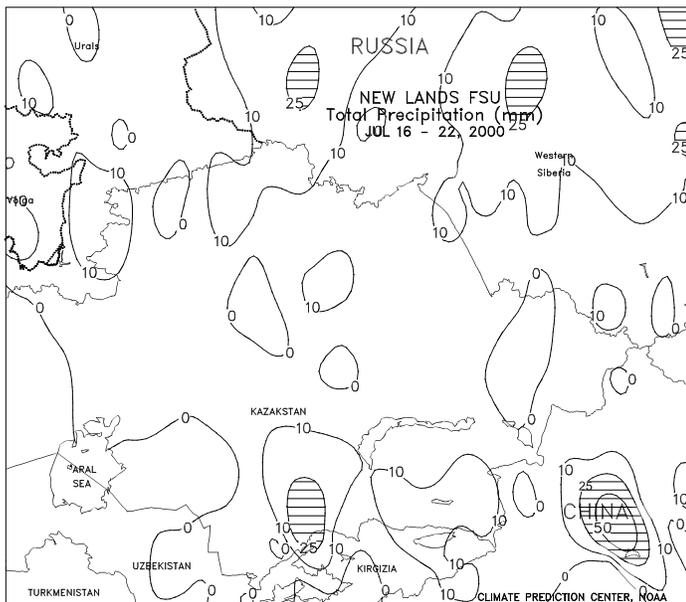
EUROPE

Dry weather encompassed major crop-producing areas in England and France, helping winter grain and oilseed maturation and harvesting. Moisture supplies remained adequate for mainly vegetative to reproductive summer crops after several weeks of relatively wet weather. In northern Spain, isolated showers (2-10 mm) helped immature summer crops, but likely caused only brief winter grain harvesting delays. Dry weather across the remainder of the Iberian peninsula maintained irrigation requirements for corn, cotton, and rice. In central Europe, periodic showers (3-21 mm) benefited vegetative to reproductive summer crops. In Germany and the Benelux countries, the drier weather helped winter grain dry down, allowing barley harvesting to resume and some wheat harvesting to begin. In southeastern Europe, winter grain harvesting is well advanced, and the mostly dry weather continued to maintain good quality prospects. Soaking rains are still needed, however, for reproductive to filling summer crops, and to improve moisture reserves depleted by several months of drought. In northeastern Europe, moderate rain (19-54 mm, locally 90 mm) hampered winter grain maturation and harvesting in Poland, the eastern Czech Republic, Slovakia, and northeastern Hungary. Nevertheless, vegetative to reproductive summer crops benefited from the abundant rainfall. Temperatures across much of the continent averaged about 2 to 5 degrees C below normal, reducing evaporative losses and minimizing heat stress on crops. In the Iberian peninsula, temperatures averaged about 1 to 2 degrees C above normal.



FSU-WESTERN

Continued wet weather (15-50 mm or more) in Belarus, the Baltics, and western Ukraine caused further delays in winter grain harvesting. Elsewhere, dry weather persisted in the eastern half of Ukraine and most of southern Russia (North Caucasus and the lower Volga Valley), allowing the winter wheat harvest to rapidly progress. However, soil moisture continued to decline in these areas, with the dryness persisting for 4 consecutive weeks in North Caucasus, Russia, and 3 consecutive weeks in the eastern half of Ukraine and the lower Volga Valley region in Russia. From July 20-22, a heat wave accompanied the dryness in these areas, with maximum temperatures reaching as high as 39 degrees C. The combination of persistent dryness along with this past week's heat wave has likely hastened maturity in spring grains and placed increased stress on corn and sunflowers advancing through reproduction. Rain and cooler weather is needed soon to prevent further declines in crop conditions. Weekly temperatures averaged 1 to 2 degrees C below normal in western Ukraine and Belarus, and 2 to 6 degrees C above normal in extreme eastern Ukraine and most of Russia.



FSU-NEW LANDS

Crop progress for spring grains ranged from the filling stage in Kazakstan to the reproductive phase of development in northern Russia. In Kazakstan, light, scattered showers (4-16 mm) and seasonable temperatures maintained generally favorable growing conditions for spring grains in primary grain-producing areas in the north-central portion of the country. In minor spring grain-producing areas of western Kazakstan, hot, dry weather accelerated crop development and increased heat stress on crops. In Russia, the second consecutive week of unseasonably warm, dry weather prevailed over spring grain areas in the Urals, where weekly temperatures averaged 2 to 7 degrees C above normal. Variable showers (3-33 mm) and cool weather in Western Siberia helped to ease chronic dryness in the central portion of the region, improving growing conditions for spring grains. Weekly temperatures averaged 1 to 3 degrees C below normal in Western Siberia. Additional rain will be needed throughout Russia and Kazakstan during the next several weeks to maintain current yield prospects.

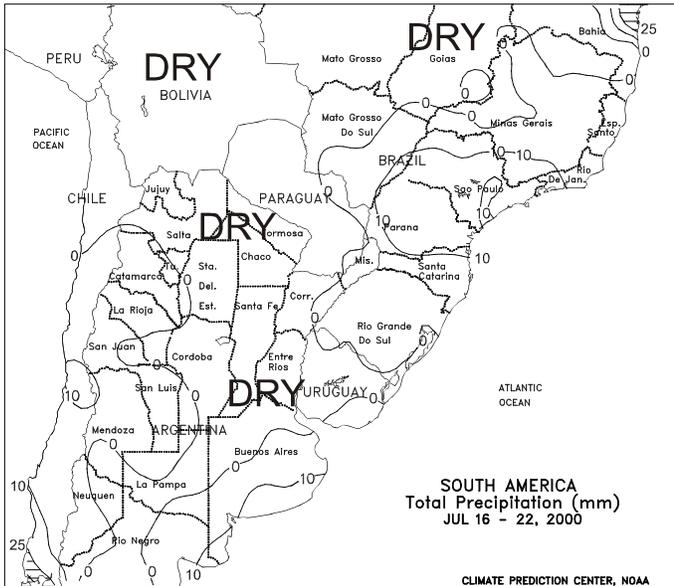
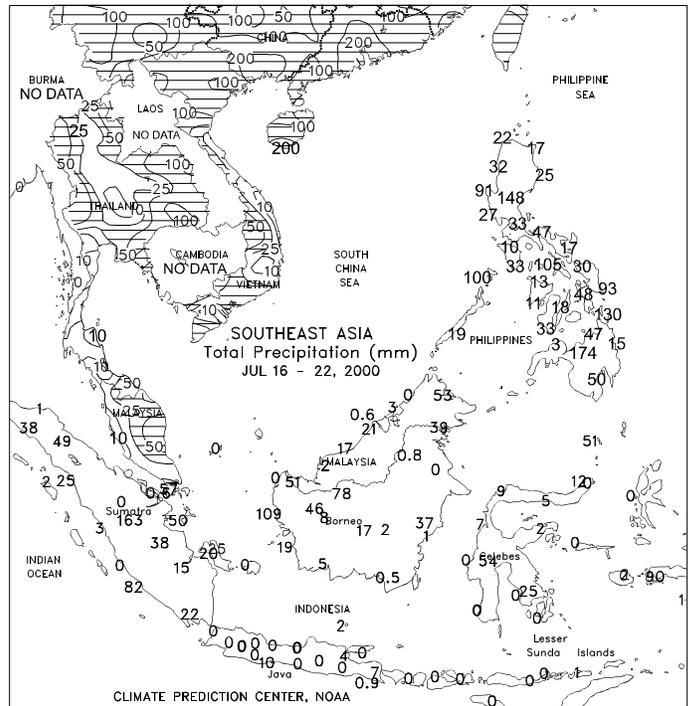
EASTERN ASIA



In Manchuria, widespread showers (25-75 mm, with isolated amounts greater than 125 mm) stabilized yield potentials for corn, soybeans, and spring wheat. The extreme heat lessened across the region, but temperatures still averaged 1 to 3 degrees C above normal, with the highest temperatures ranging from 30 to 34 degrees C. In the North China Plain, scattered showers (10-70 mm) increased moisture supplies, but more widespread rain is needed to eliminate the dry pockets. In southern China, a weak tropical depression made landfall on July 16 in Guangdong, bringing heavy showers (100-225 mm) and some flooding to the province. The moisture from this system helped to spawn beneficial showers (30-150 mm) across southern China and portions of central China (Hunan). The wet weather slowed early rice harvesting and late rice transplanting. In the eastern Yangtze Valley (Zhejiang, Jiangxi, southern Anhui, and southern Jiangsu), drier weather aided rice fieldwork. Temperatures averaged 1 to 3 degrees C above normal across most of China and near to slightly below normal across southern China. Widespread showers (25-80 mm) favored summer crops across the Korean Peninsula, especially in North Korea. Dry, sunny weather aided rice development across southern Japan, but reduced moisture supplies. Showers (25-60 mm) maintained adequate moisture supplies for rice across northern Japan. Temperatures averaged 1 to 4 degrees C above normal across the Korean Peninsula and Japan, favoring rice and summer crop development.

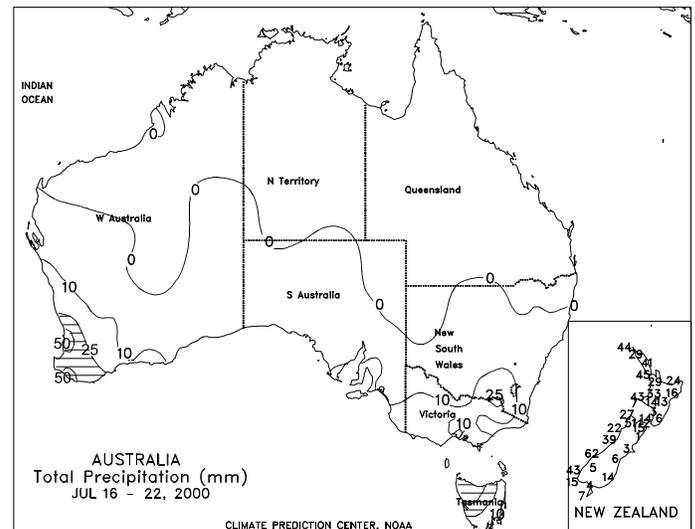
SOUTHEAST ASIA

Showers (50-100 mm) in eastern Thailand continued to aid moisture supplies for main-season rice. Dry conditions prevailed in central Thailand; however, moisture reserves are still sufficient for corn. In Vietnam, showers (50-100 mm) in the north favored 10th month rice, while lighter showers (25-50 mm) fell in the south. Scattered showers fell across the Philippines. In western Luzon, 50 to 100 mm of rainfall benefited main-season rice. Generally dry conditions prevailed across peninsular Malaysia, where moisture reserves are favorable for oil palm. Java, Indonesia remained seasonably dry.



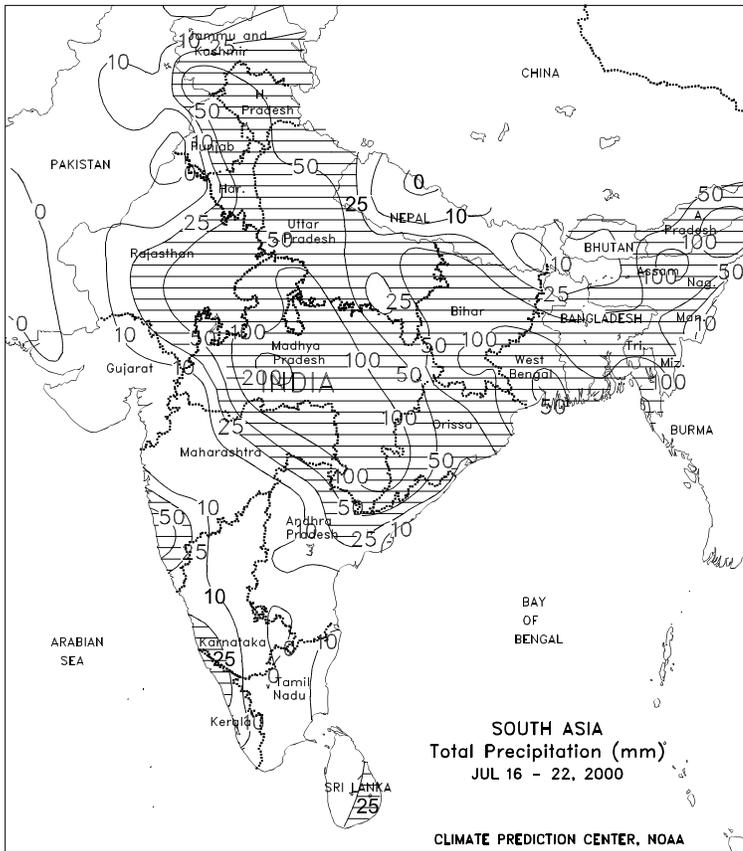
SOUTH AMERICA

In southern Brazil on July 17 and 18, the coldest airmass of the year produced scattered frost in the main coffee areas of southern Minas Gerais and Sao Paulo. A harder freeze occurred in northern Parana, potentially causing damage to next year's crop. Warmer weather later in the week eased the cold spell. Light to moderate rain (10-25 mm) fell across southern Minas Gerais and Sao Paulo, increasing soil moisture for coffee and oranges, but slowing fieldwork. Light precipitation (less than 10 mm, with isolated reports of snow) fell across the eastern wheat areas, where soil moisture remains adequate for wheat development. In central Argentina, mostly dry weather aided winter wheat planting. The cold weather (minimum temperatures 0 to -4 degrees C) burned back newly emerged winter wheat, but caused no significant damage. Temperatures averaged 3 to 8 degrees C below normal across central Argentina, southern Brazil, and southern Paraguay, burning back early winter wheat growth. Dry weather prevailed across central Chile.



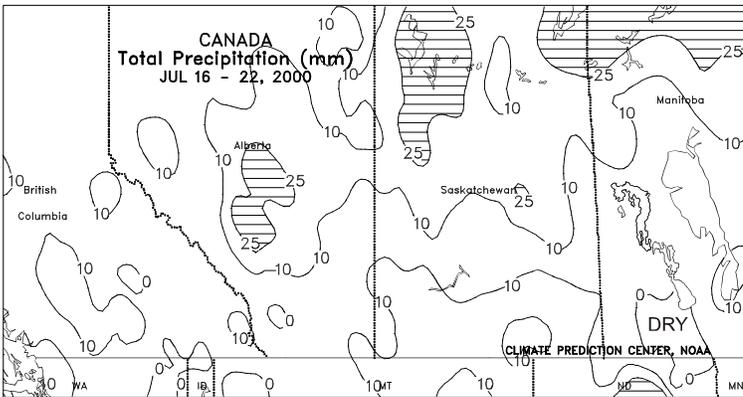
AUSTRALIA

Light to moderate rain (5-25 mm or more) maintained generally favorable moisture levels in winter crop areas of Western Australia and the southeast (South Australia to New South Wales). However, rainfall continued to be heaviest along the coast, and some interior agricultural districts in both regions still require additional moisture for proper crop establishment. In addition, unseasonable warmth in the west and southeast increased crop moisture requirements. Drier, seasonably cooler weather aided overwintering wheat and barley in Queensland and northern New South Wales. Dry weather along the coast improved conditions for sugarcane harvesting. In New Zealand, precipitation remained light (10 mm or less) from the southeastern coast of South Island to southern sections of North Island. Beneficial rain (15-50 mm) covered most other agricultural districts.



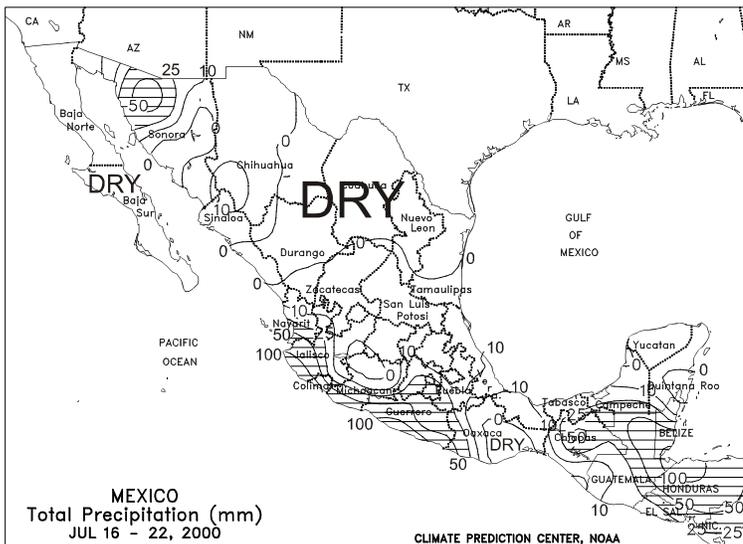
SOUTH ASIA

A shift in the southwest monsoon brought dry weather to much of southern and western India, including Gujarat and Andhra Pradesh, the two largest groundnut and cotton producers. In Gujarat, the break in rainfall will allow a resumption of planting following last week's very heavy showers. Elsewhere, widespread, locally heavy rain (50-100 mm or more) covered central, northern, and eastern India and Bangladesh. Heaviest rain (greater than 200 mm) was concentrated over soybean areas of western Madhya Pradesh, likely causing localized flooding. A renewal of flooding was also possible in rice areas of eastern India and Bangladesh. In the north, the moisture increased irrigation reserves for cotton and rice, but may have resulted in isolated flooding. Light to moderate rain (10-25 mm or more) was recorded in Pakistan's northern growing areas.



CANADA

Drier, cooler-than-normal weather settled into the central and eastern Prairies, slowing growth of reproductive spring grains and oilseeds. In Manitoba, the dryness and increased sunshine improved prospects for haying and other fieldwork, including pest and disease treatments. Light showers (2-15 mm) kept crops unfavorably damp in Saskatchewan and Alberta's northern growing areas. Patchy frost (lows reaching 0 to -1 degrees C) on the northeastern fringe of the spring grain belt may have caused localized damage to oilseeds and reproductive grains. In the southwest, scattered showers (2-15 mm) brought localized relief to immature spring grains and oilseeds, but continuing above-normal temperatures increased crop moisture demands and caused some additional stress. In eastern Canada, favorably drier weather (rainfall totaling 10 mm or less across Ontario; 10-15 mm in Quebec) continued to improve growth prospects for corn and soybeans while aiding winter wheat drydown. Temperatures averaged 2 to 4 degrees C below normal, slowing crop growth and field drying rates.



MEXICO

Mostly dry weather continued to prevail across most of the southern Plateau Corn Belt, stressing corn. Moderate rain (10-50 mm, with isolated amounts greater than 100 mm) fell across portions of the western and southern corn belt (Nayarit, western Jalisco, Guerrero, and Puebla). Scattered showers (10-60 mm) increased reservoir levels across northwestern Mexico (Sinaloa, eastern Sonora, and Chihuahua). Dry weather continued to stress summer crops across northeastern and north-central Mexico. Showers (10-60 mm) increased moisture supplies across southeastern Mexico (Campeche and Chiapas) and northern Guatemala. Mostly dry weather reduced moisture supplies across most of the Yucatan Peninsula. Temperatures averaged 1 to 3 degrees C above normal across Mexico.

Cold Weather in Brazilian Coffee Areas

On July 12th, a strong cold front brought sub-freezing temperatures to much of southern Brazil. High pressure moved in behind the front and was centered over central Parana by the morning of the 13th. As a result, clear skies and calm winds allowed temperatures to drop to near 0EC in some coffee producing areas of northern Parana. In Sao Paulo, stronger winds during the overnight hours caused temperatures to stay well above freezing (5E - 12EC). Temperatures moderated by the 14th as the high moved over the Atlantic Ocean, with minimum temperatures staying above freezing and afternoon temperatures reaching into the 20's EC across Parana and Sao Paulo.

Another strong cold front moved out of Argentina northward across Parana, Sao Paulo, and Minas Gerais during the 15th and 16th. Showers and thunderstorms ahead of the front dropped 2 to 25 mm of rainfall across these areas as the front moved through. Southwesterly winds behind the front ushered in cold air once again from higher latitudes of South America. With clear skies overhead and winds calming, temperatures by the morning of the 17th had dropped to as low as -1EC in the major coffee producing areas in northern Parana (see figure 1). Temperatures as low as -6EC were reported in central Parana (south of the main coffee areas). Near- to sub-freezing readings were reported at a few stations in Sao Paulo, possibly producing frost in some coffee areas. The morning of the 17th was the coldest during the period across Parana and Sao Paulo.

By the 18th, temperatures had begun to modify across northern Parana and interior Sao Paulo, with minimum temperatures staying above freezing. The morning of the 18th, however, was the coldest across southern and central Minas Gerais as the high pressure area moved overhead. There were scattered areas of frost in portions of major coffee areas of Minas Gerais (see figure 1). After the 18th, the high

pressure area moved offshore and temperatures moderated across Center-South Brazil.

The frost reportedly had a major impact on coffee in the Brazilian state of Parana (8 percent of national coffee production), raising concerns for next year's flowering potential. In the states of Sao Paulo and Minas Gerais, the impact was less severe. The frost reportedly caused some leaf burn and branch damage in coffee trees.

The last freeze across Center-South Brazil occurred in 1994. There were two episodes that year, the coldest from June 25-30 and a less severe one from July 9-12. In comparing the freezes of 1994 and 2000, the 2000 episode was colder from northern Parana southward, while the 1994 episode was colder in the major coffee areas of southwestern Minas Gerais (see figure 2). The areal extent of the 1994 and 2000 freezes was similar, with the two 1994 episodes covering slightly more area.

Table 1. Percentage of Total Brazilian Coffee Production by State (1995/96 - 1999/00 average). *From Foreign Agricultural Service/USDA*

| | |
|----------------|-----|
| Minas Gerais | 51% |
| Espirito Santo | 17% |
| Sao Paulo | 12% |
| Parana | 8% |
| Other | 12% |

- Chester Schmitt and Bob Stefanski

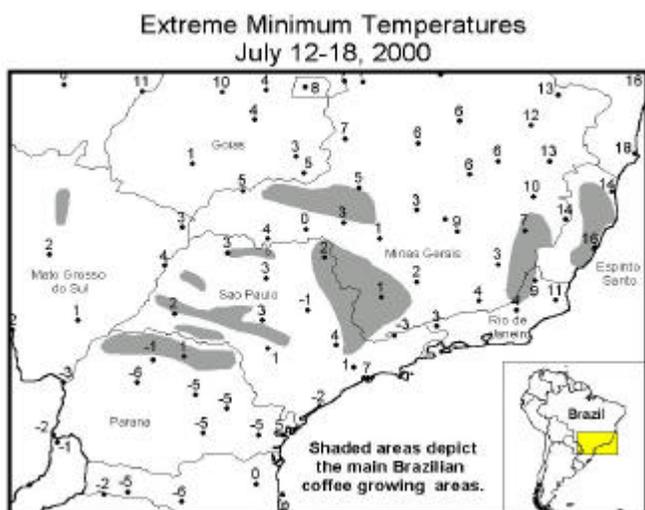


Figure 1.

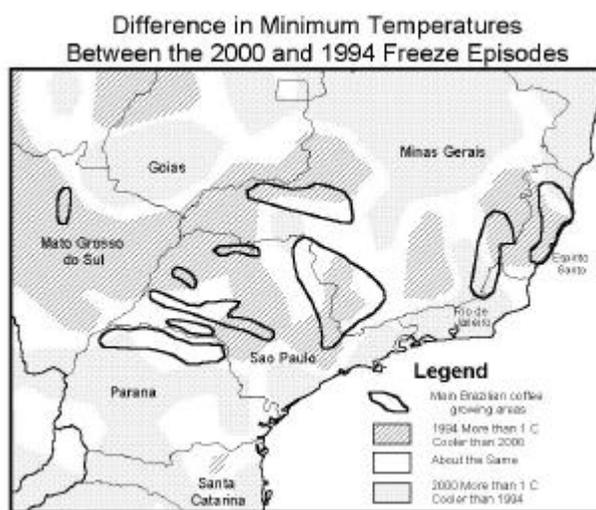


Figure 2.

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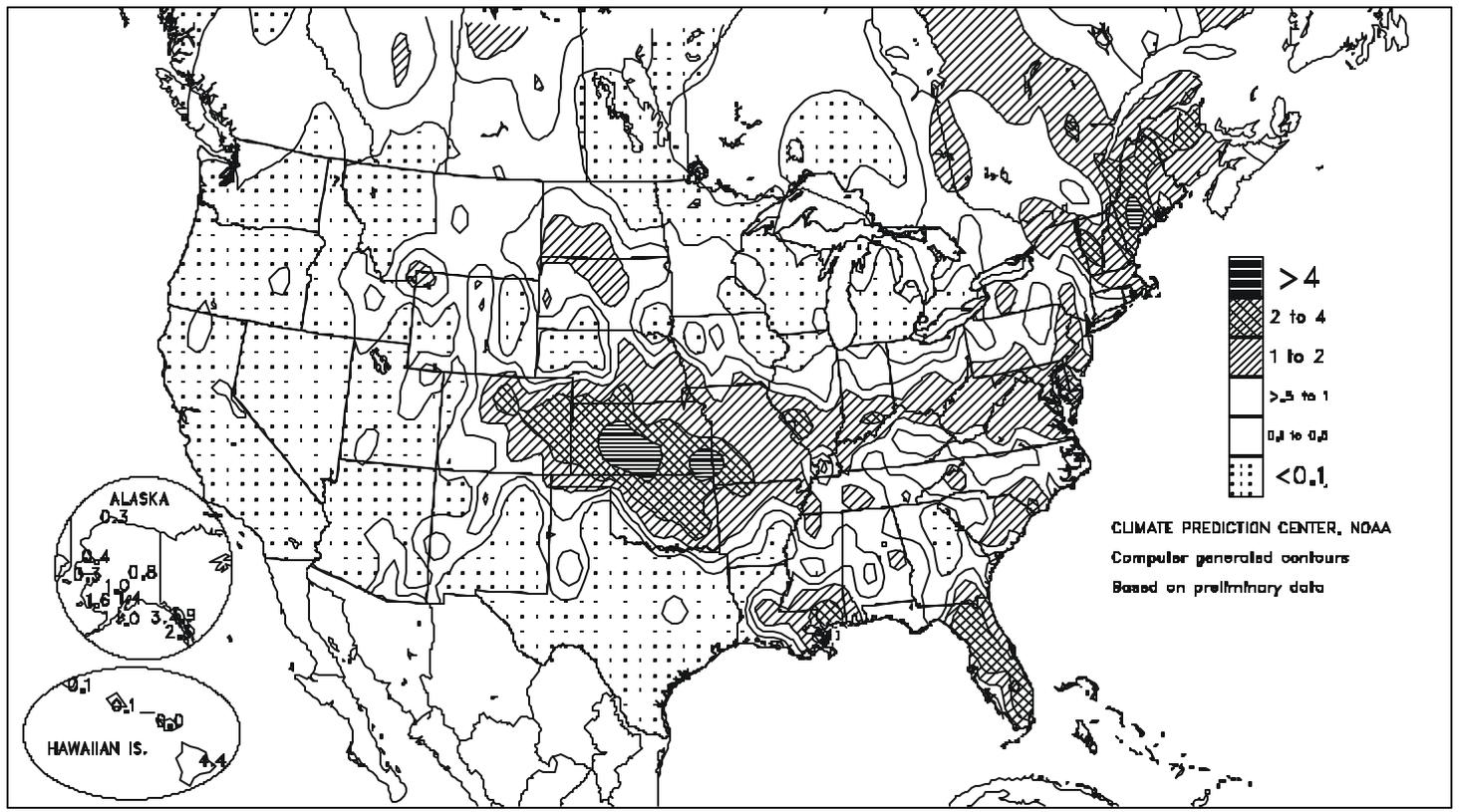
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Total Precipitation (Inches)

JUL 16 - 22, 2000



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